

### Appendix B. SAR Plots of SAR Measurement

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

**P01 GSM850\_GPRS12\_Right Cheek\_Ch189\_Sample1\_Ant1****DUT: 181001C14**

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

Medium: H07T10N1\_1124 Medium parameters used:  $f = 836.4$  MHz;  $\sigma = 0.909$  S/m;  $\epsilon_r = 40.927$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3971; ConvF(10.34, 10.34, 10.34); Calibrated: 2018/03/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1431; Calibrated: 2018/03/16
- Phantom: Twin SAM Phantom\_1823; Type: QD000P40CD;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

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

Maximum value of SAR (interpolated) = 0.463 W/kg

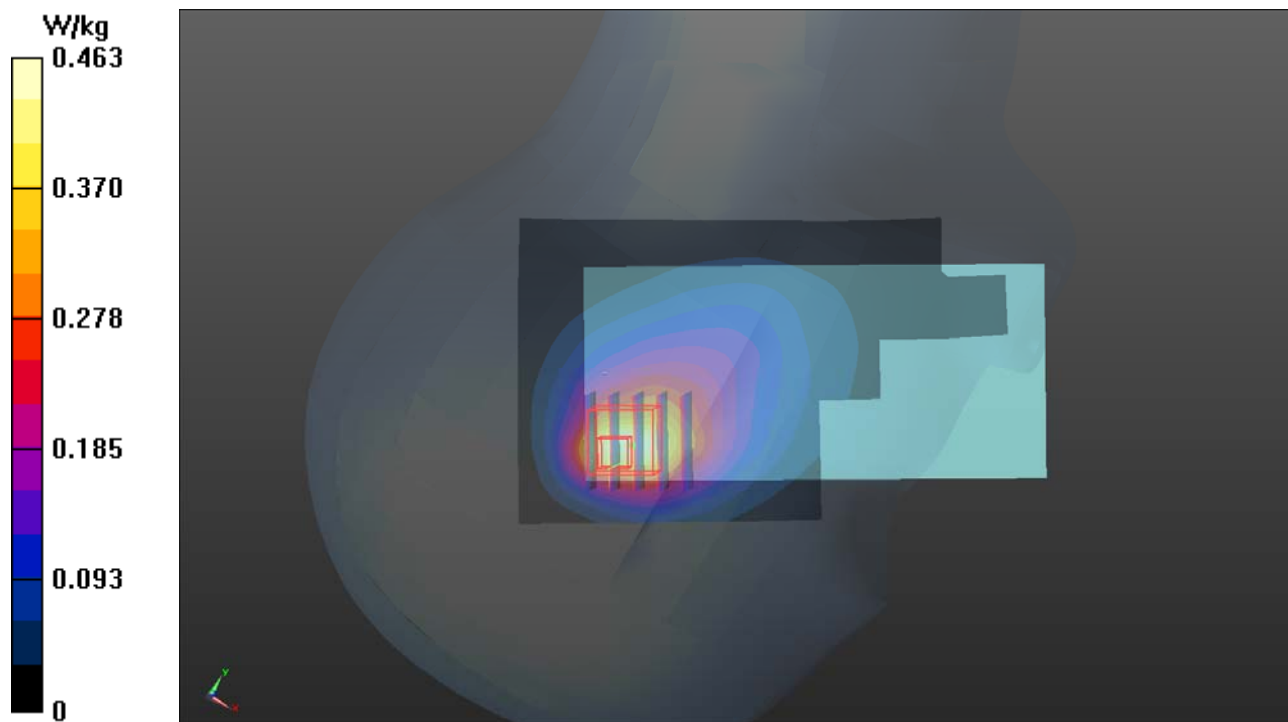
**- Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 22.65 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 1.47 W/kg

**SAR(1 g) = 0.389 W/kg; SAR(10 g) = 0.202 W/kg**

Maximum value of SAR (measured) = 0.658 W/kg



**P02 GSM1900\_GPRS12\_Right Cheek\_Ch810\_Sample1\_Ant1****DUT: 181001C14**

Communication System: GPRS12; Frequency: 1909.8 MHz; Duty Cycle: 1:2

Medium: H16T20N1\_1123 Medium parameters used:  $f = 1910$  MHz;  $\sigma = 1.468$  S/m;  $\epsilon_r = 38.498$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3971; ConvF(8.52, 8.52, 8.52); Calibrated: 2018/03/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1431; Calibrated: 2018/03/16
- Phantom: Twin SAM Phantom\_1823; Type: QD000P40CD;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

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

Maximum value of SAR (interpolated) = 1.79 W/kg

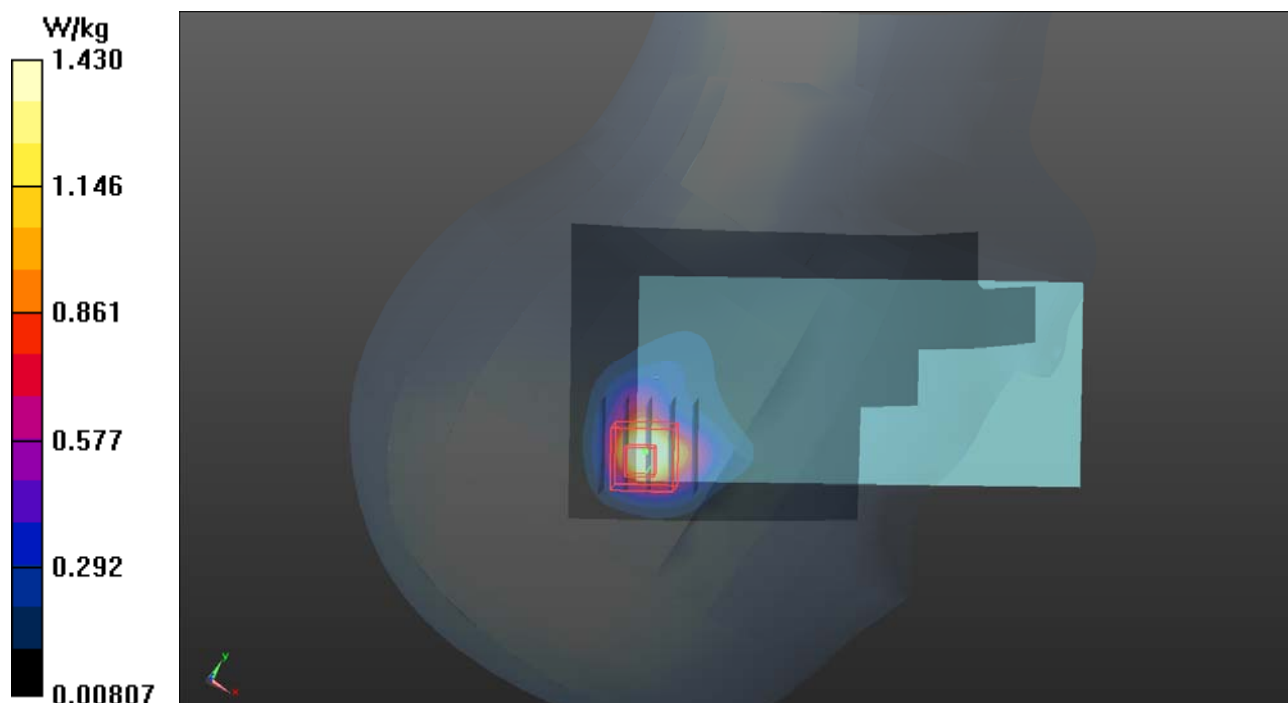
**- Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 27.91 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 2.00 W/kg

**SAR(1 g) = 0.881 W/kg; SAR(10 g) = 0.393 W/kg**

Maximum value of SAR (measured) = 1.43 W/kg



**P03 WCDMA II\_RMC12.2K\_Right Cheek\_Ch9538\_Sample1\_Ant1****DUT: 181001C14**

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

Medium: H16T20N1\_1123 Medium parameters used:  $f = 1908$  MHz;  $\sigma = 1.466$  S/m;  $\epsilon_r = 38.505$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3971; ConvF(8.52, 8.52, 8.52); Calibrated: 2018/03/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1431; Calibrated: 2018/03/16
- Phantom: Twin SAM Phantom\_1823; Type: QD000P40CD;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

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

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

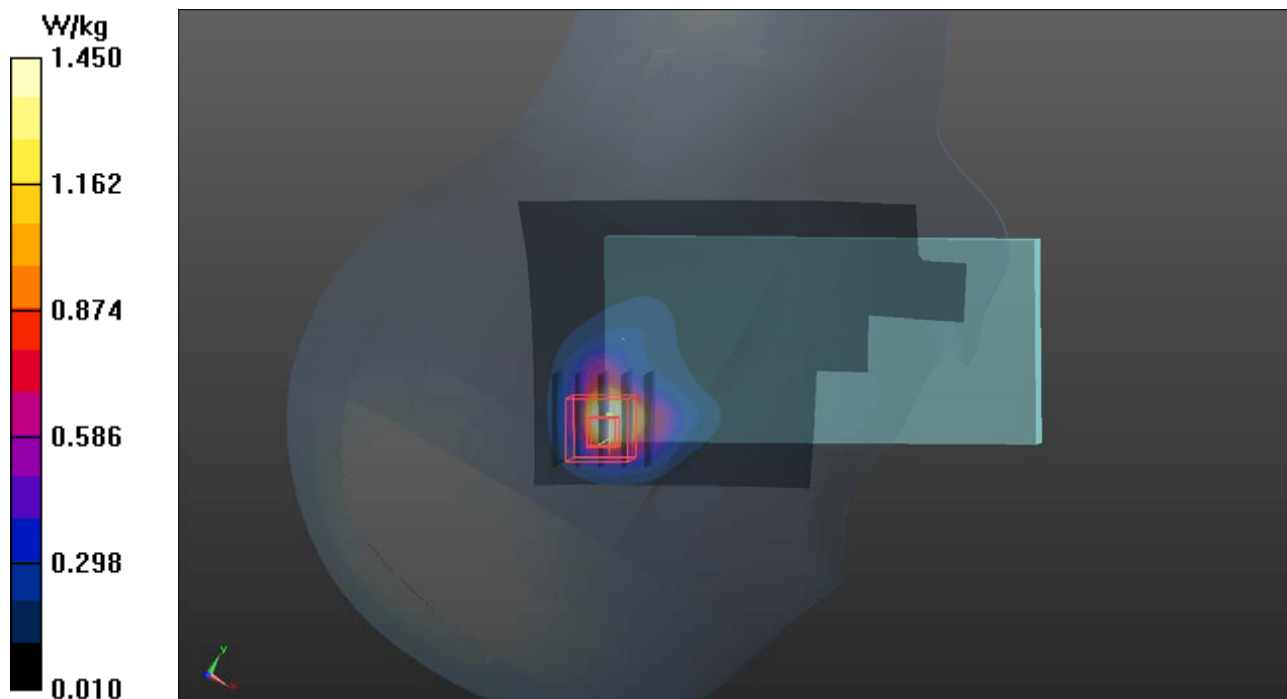
**- Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 29.59 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 1.89 W/kg

**SAR(1 g) = 0.829 W/kg; SAR(10 g) = 0.379 W/kg**

Maximum value of SAR (measured) = 1.45 W/kg



**P04 WCDMA IV\_RMC12.2K\_Right Cheek\_Ch1413\_Sample1\_Ant1****DUT: 181001C14**

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

Medium: H16T20N1\_1124 Medium parameters used:  $f = 1733$  MHz;  $\sigma = 1.307$  S/m;  $\epsilon_r = 39.001$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3971; ConvF(8.9, 8.9, 8.9); Calibrated: 2018/03/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1431; Calibrated: 2018/03/16
- Phantom: Twin SAM Phantom\_1823; Type: QD000P40CD;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

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

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

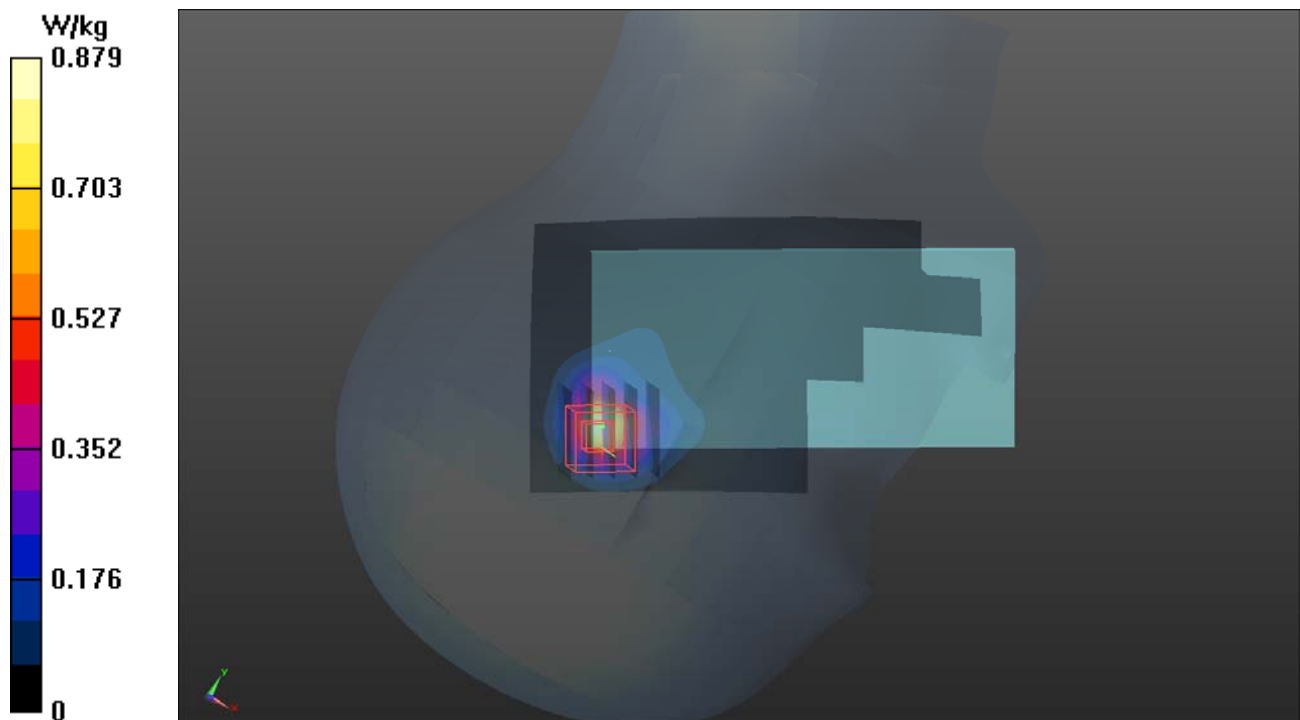
**- Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 21.12 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.947 W/kg

**SAR(1 g) = 0.432 W/kg; SAR(10 g) = 0.196 W/kg**

Maximum value of SAR (measured) = 0.713 W/kg



**P05 WCDMA V\_RMC12.2K\_Right Cheek\_Ch4233\_Sample1\_Ant1****DUT: 181001C14**

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

Medium: H07T10N1\_1123 Medium parameters used:  $f = 847$  MHz;  $\sigma = 0.932$  S/m;  $\epsilon_r = 42.167$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3650; ConvF(9.88, 9.88, 9.88); Calibrated: 2018/07/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2018/08/27
- Phantom: Twin SAM Phantom\_1654; Type: QD000P40;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

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

Maximum value of SAR (interpolated) = 0.799 W/kg

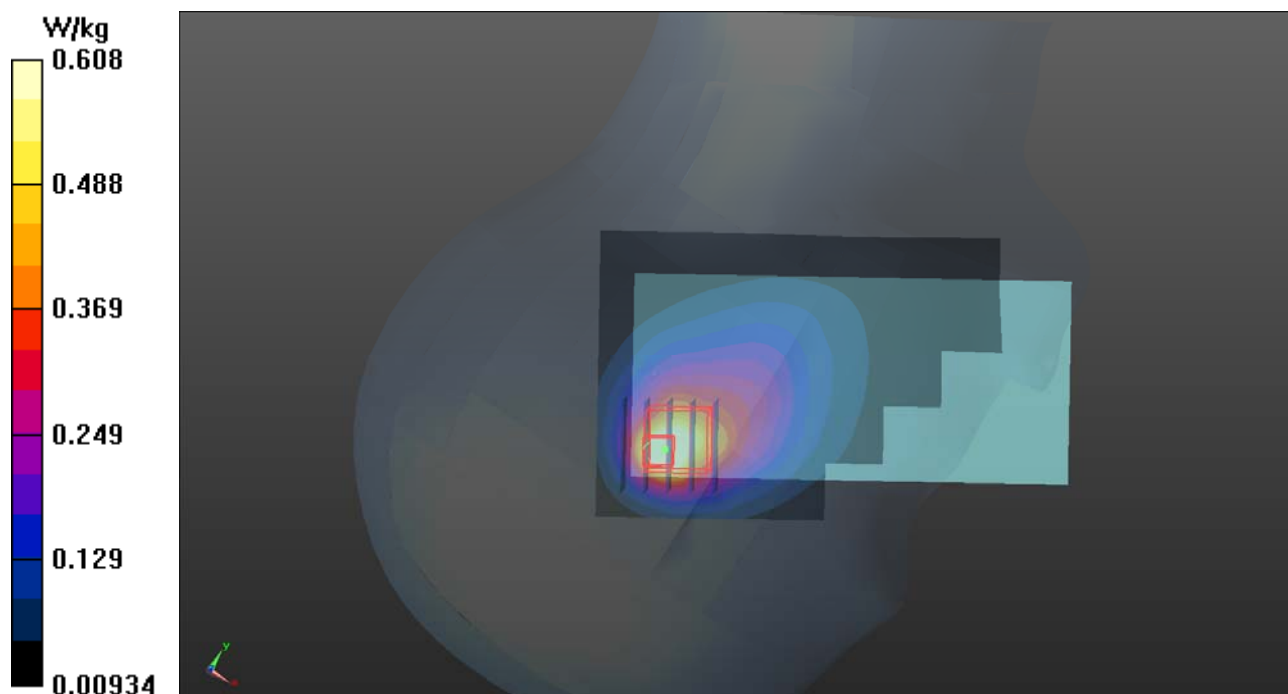
**- Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 26.34 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.837 W/kg

**SAR(1 g) = 0.372 W/kg; SAR(10 g) = 0.173 W/kg**

Maximum value of SAR (measured) = 0.608 W/kg



**P06 CDMA BC0\_RC3+SO55\_Right Cheek\_Ch1013\_Sample1\_Ant1****DUT: 181001C14**

Communication System: CDMA2000; Frequency: 824.7 MHz; Duty Cycle: 1:1

Medium: H07T10N1\_1123 Medium parameters used:  $f = 825$  MHz;  $\sigma = 0.911$  S/m;  $\epsilon_r = 42.458$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3650; ConvF(9.88, 9.88, 9.88); Calibrated: 2018/07/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2018/08/27
- Phantom: Twin SAM Phantom\_1654; Type: QD000P40;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

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

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

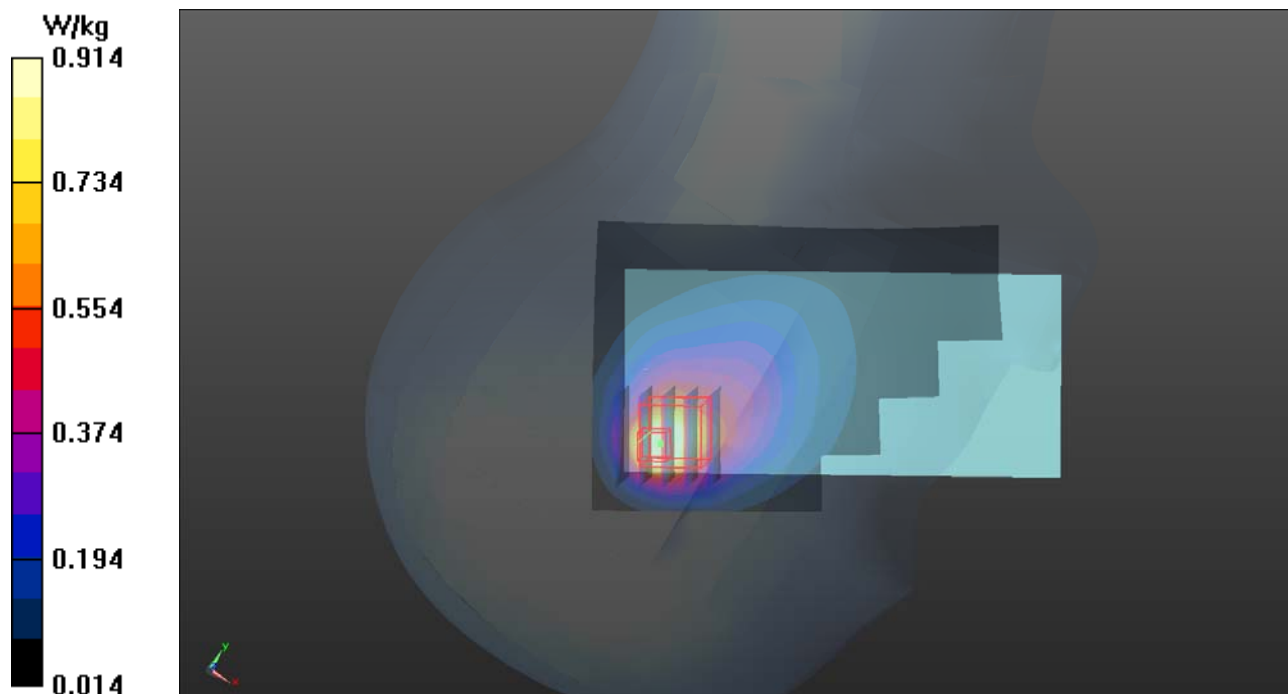
**- Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 33.11 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 1.27 W/kg

**SAR(1 g) = 0.591 W/kg; SAR(10 g) = 0.267 W/kg**

Maximum value of SAR (measured) = 0.914 W/kg



**P07 CDMA BC1\_RC3+SO55\_Right Cheek\_Ch25\_Sample1\_Ant1****DUT: 181001C14**

Communication System: CDMA2000 RC3; Frequency: 1851.25 MHz; Duty Cycle: 1:1

Medium: H16T20N1\_1123 Medium parameters used :  $f = 1851.25$  MHz;  $\sigma = 1.416$  S/m;  $\epsilon_r = 38.688$ ;

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

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

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3971; ConvF(8.52, 8.52, 8.52); Calibrated: 2018/03/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1431; Calibrated: 2018/03/16
- Phantom: Twin SAM Phantom\_1823; Type: QD000P40CD;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

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

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

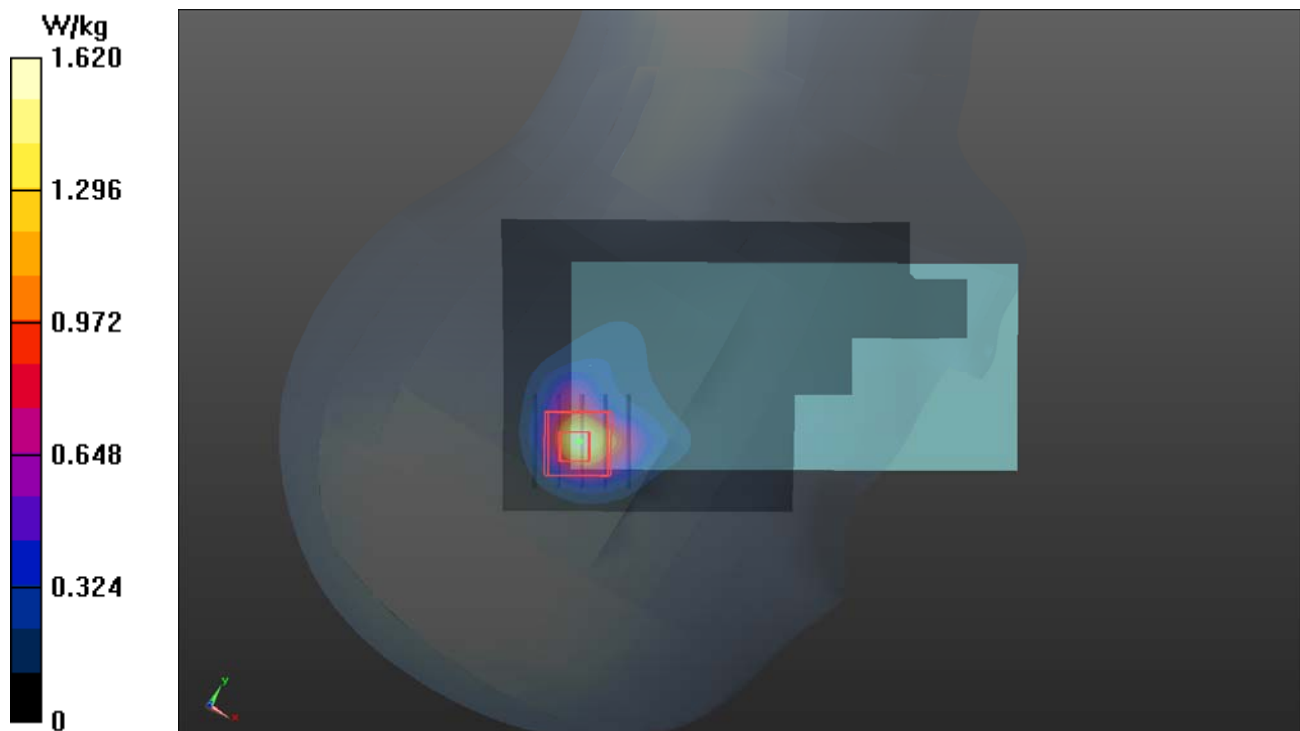
**- Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 25.19 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 1.69 W/kg

**SAR(1 g) = 0.797 W/kg; SAR(10 g) = 0.355 W/kg**

Maximum value of SAR (measured) = 1.30 W/kg



**P08 CDMA BC10\_RC3+SO55\_Right Cheek\_Ch684\_Sample1\_Ant1****DUT: 181001C14**

Communication System: CDMA2000 RC3; Frequency: 823.1 MHz; Duty Cycle: 1:1

Medium: H07T10N1\_1123 Medium parameters used:  $f = 823.1$  MHz;  $\sigma = 0.91$  S/m;  $\epsilon_r = 42.485$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3650; ConvF(9.88, 9.88, 9.88); Calibrated: 2018/07/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2018/08/27
- Phantom: Twin SAM Phantom\_1654; Type: QD000P40;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

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

Maximum value of SAR (interpolated) = 0.725 W/kg

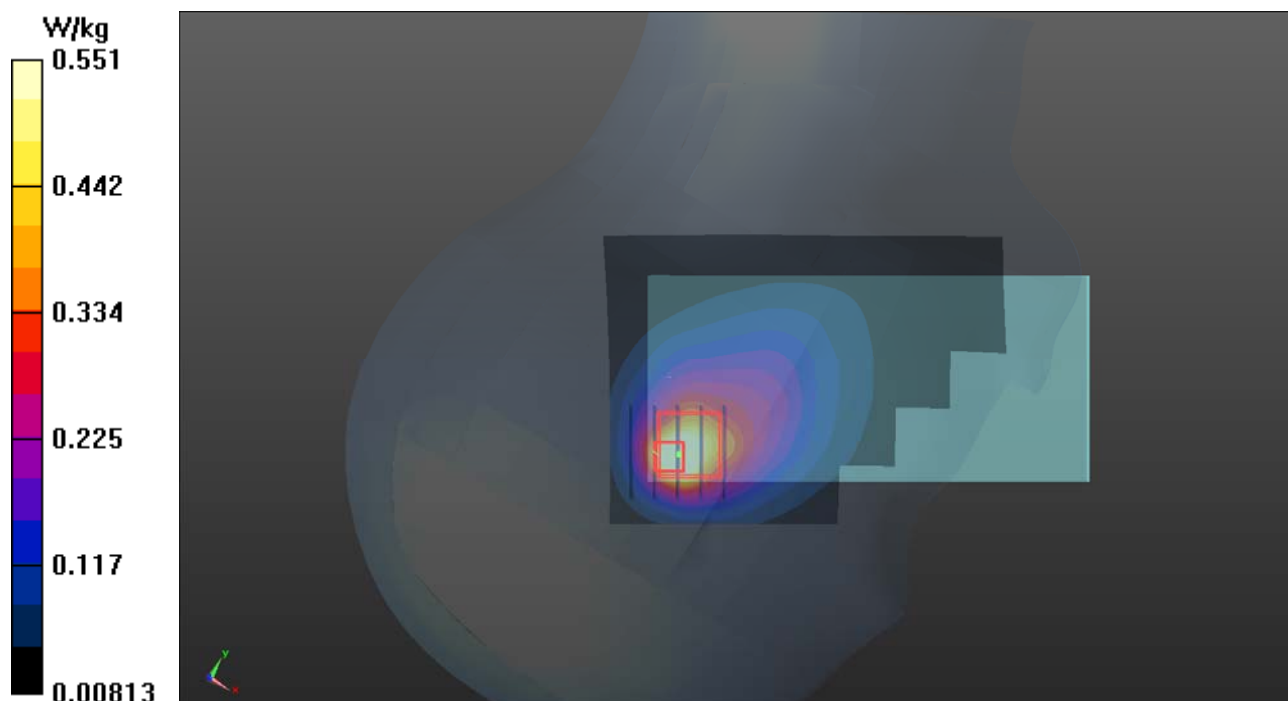
**- Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 26.10 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.769 W/kg

**SAR(1 g) = 0.329 W/kg; SAR(10 g) = 0.186 W/kg**

Maximum value of SAR (measured) = 0.551 W/kg



**P09 LTE 7\_QPSK20M\_Right Cheek\_Ch20850\_1RB\_OS0\_Sample1\_Ant3****DUT: 181001C14**

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

Medium: H19T27N3\_1204 Medium parameters used:  $f = 2510$  MHz;  $\sigma = 1.934$  S/m;  $\epsilon_r = 38.549$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.4 °C ; Liquid Temperature : 23.1 °C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3650; ConvF(7.48, 7.48, 7.48); Calibrated: 2018/07/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2018/08/27
- Phantom: Twin SAM Phantom\_1654; Type: QD000P40;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

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

Maximum value of SAR (interpolated) = 0.799 W/kg

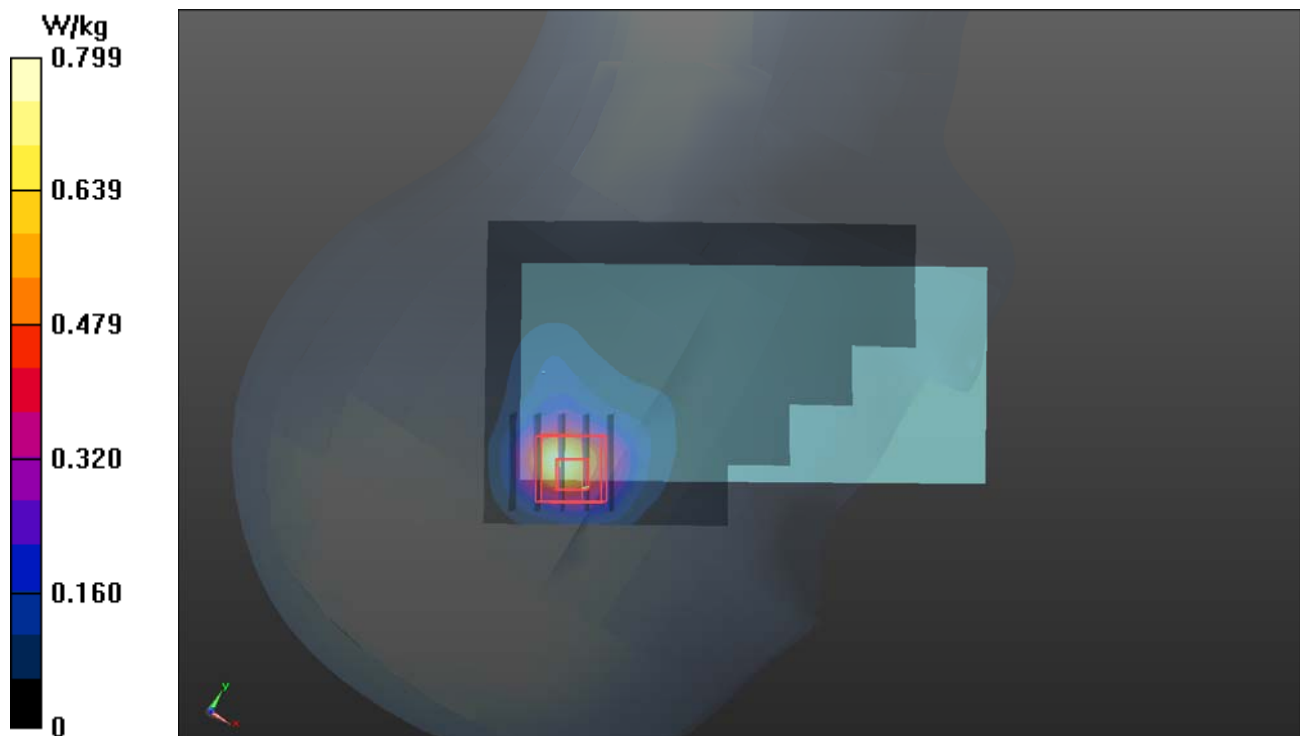
**- Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.77 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 1.19 W/kg

**SAR(1 g) = 0.559 W/kg; SAR(10 g) = 0.245 W/kg**

Maximum value of SAR (measured) = 0.846 W/kg



**P10 LTE 12\_QPSK10M\_Right Cheek\_Ch23130\_1RB\_OS24\_Sample1\_Ant1****DUT: 181001C14**

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

Medium: H06T09N1\_1124 Medium parameters used:  $f = 711$  MHz;  $\sigma = 0.857$  S/m;  $\epsilon_r = 43.469$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3971; ConvF(10.7, 10.7, 10.7); Calibrated: 2018/03/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1431; Calibrated: 2018/03/16
- Phantom: Twin SAM Phantom\_1823; Type: QD000P40CD;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

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

Maximum value of SAR (interpolated) = 0.393 W/kg

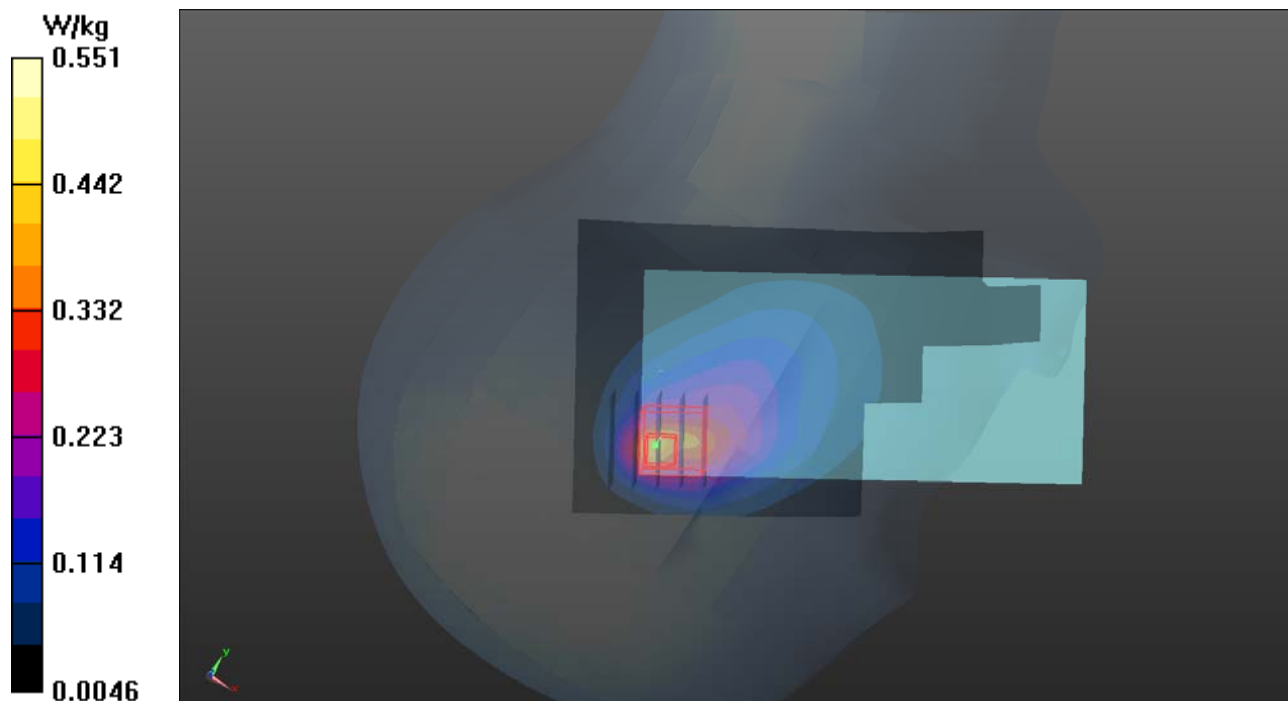
**- Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 20.11 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.810 W/kg

**SAR(1 g) = 0.289 W/kg; SAR(10 g) = 0.149 W/kg**

Maximum value of SAR (measured) = 0.551 W/kg



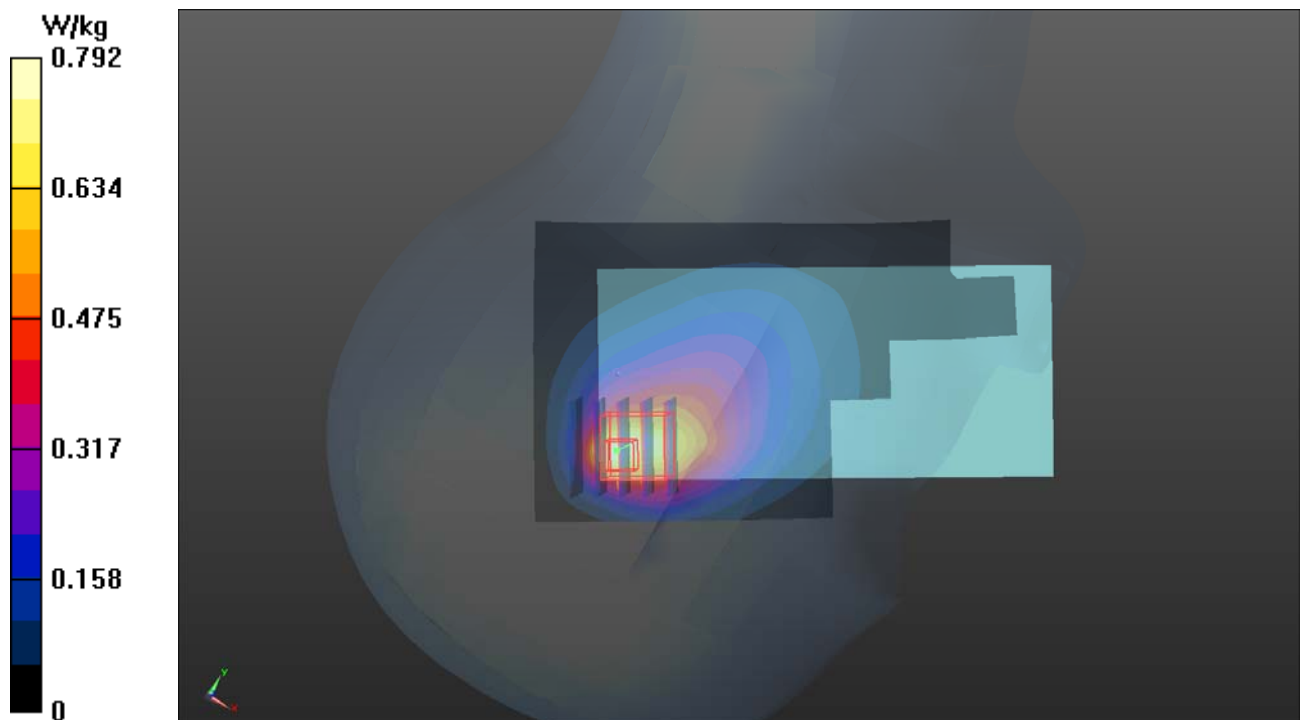
**P11 LTE 13\_QPSK10M\_Right Cheek\_Ch23230\_1RB\_OS24\_Sample1\_Ant1****DUT: 181001C14**

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

Medium: H06T09N1\_1124 Medium parameters used:  $f = 782 \text{ MHz}$ ;  $\sigma = 0.922 \text{ S/m}$ ;  $\epsilon_r = 42.596$ ;  $\rho = 1000 \text{ kg/m}^3$ Ambient Temperature :  $23.8 \text{ }^\circ\text{C}$  ; Liquid Temperature :  $23.6 \text{ }^\circ\text{C}$ 

DASY5 Configuration:

- Probe: EX3DV4 - SN3971; ConvF(10.7, 10.7, 10.7); Calibrated: 2018/03/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1431; Calibrated: 2018/03/16
- Phantom: Twin SAM Phantom\_1823; Type: QD000P40CD;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

**- Area Scan (71x121x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) =  $0.792 \text{ W/kg}$ **- Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$ Reference Value =  $27.65 \text{ V/m}$ ; Power Drift =  $0.12 \text{ dB}$ Peak SAR (extrapolated) =  $1.47 \text{ W/kg}$ **SAR(1 g) =  $0.584 \text{ W/kg}$ ; SAR(10 g) =  $0.323 \text{ W/kg}$** Maximum value of SAR (measured) =  $0.972 \text{ W/kg}$ 

**P12 LTE 25\_QPSK20M\_Right Cheek\_Ch26590\_1RB\_OS0\_Sample1\_Ant1****DUT: 181001C14**

Communication System: LTE; Frequency: 1905 MHz; Duty Cycle: 1:1

Medium: H16T20N1\_1123 Medium parameters used:  $f = 1905$  MHz;  $\sigma = 1.463$  S/m;  $\epsilon_r = 38.514$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3971; ConvF(8.52, 8.52, 8.52); Calibrated: 2018/03/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1431; Calibrated: 2018/03/16
- Phantom: Twin SAM Phantom\_1823; Type: QD000P40CD;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

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

Maximum value of SAR (interpolated) = 1.68 W/kg

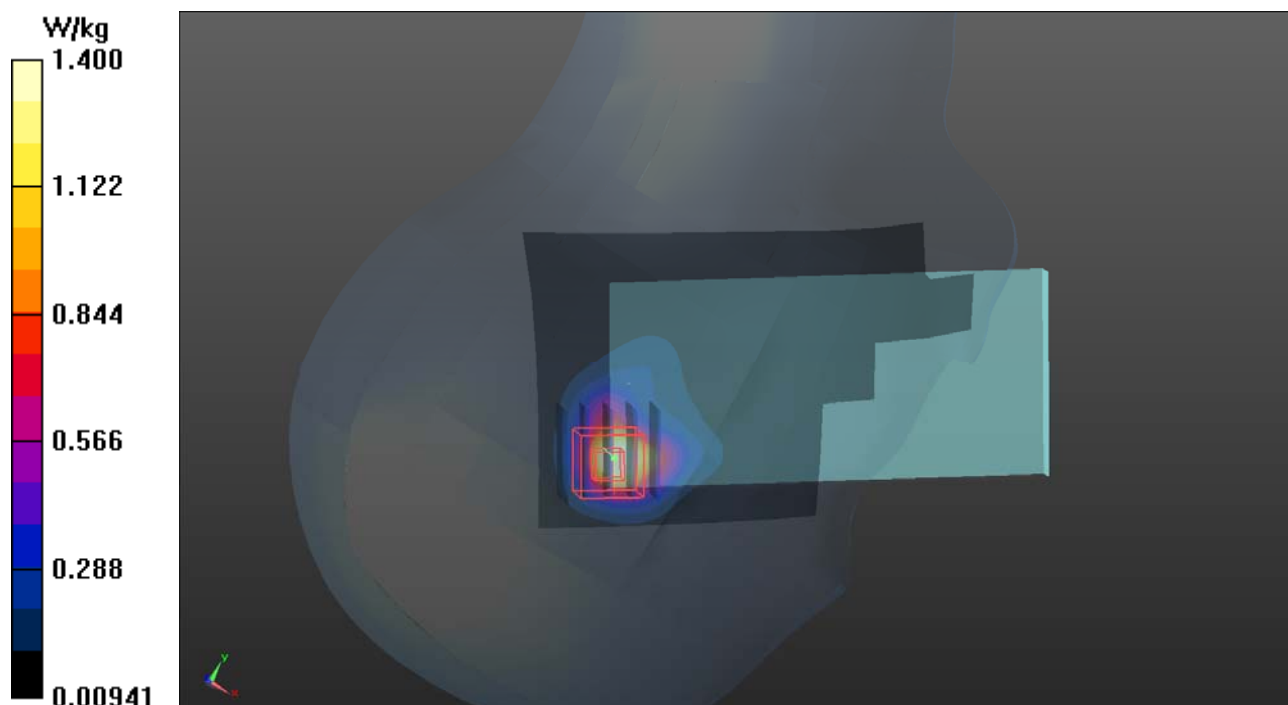
**- Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 26.91 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 1.89 W/kg

**SAR(1 g) = 0.840 W/kg; SAR(10 g) = 0.376 W/kg**

Maximum value of SAR (measured) = 1.40 W/kg



**P13 LTE 26\_QPSK15M\_Right Cheek\_Ch26865\_1RB\_OS0\_Sample1\_Ant1****DUT: 181001C14**

Communication System: LTE; Frequency: 831.5 MHz; Duty Cycle: 1:1

Medium: H07T10N1\_1123 Medium parameters used:  $f = 831.5$  MHz;  $\sigma = 0.917$  S/m;  $\epsilon_r = 42.376$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(9.88, 9.88, 9.88); Calibrated: 2018/07/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2018/08/27
- Phantom: Twin SAM Phantom\_1654; Type: QD000P40;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

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

Maximum value of SAR (interpolated) = 0.836 W/kg

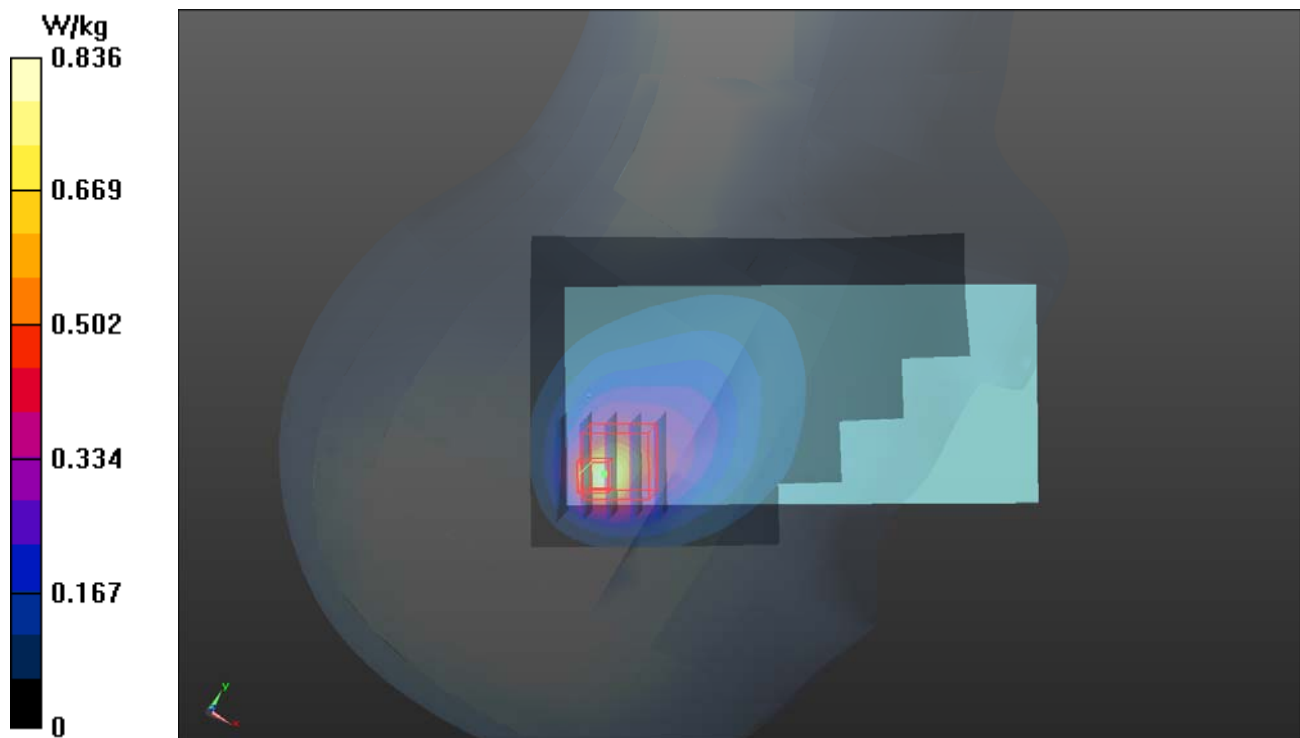
**- Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 27.28 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.883 W/kg

**SAR(1 g) = 0.376 W/kg; SAR(10 g) = 0.222 W/kg**

Maximum value of SAR (measured) = 0.635 W/kg



**P14 LTE 38\_QPSK20M\_Right Cheek\_Ch38150\_1RB\_OS99\_Sample1\_Ant3****DUT: 181001C14**

Communication System: LTE TDD CF0; Frequency: 2610 MHz; Duty Cycle: 1:1.58

Medium: H19T27N1\_1125 Medium parameters used:  $f = 2610$  MHz;  $\sigma = 2.04$  S/m;  $\epsilon_r = 37.582$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3971; ConvF(7.59, 7.59, 7.59); Calibrated: 2018/03/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1431; Calibrated: 2018/03/16
- Phantom: Twin SAM Phantom\_1823; Type: QD000P40CD;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

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

Maximum value of SAR (interpolated) = 0.795 W/kg

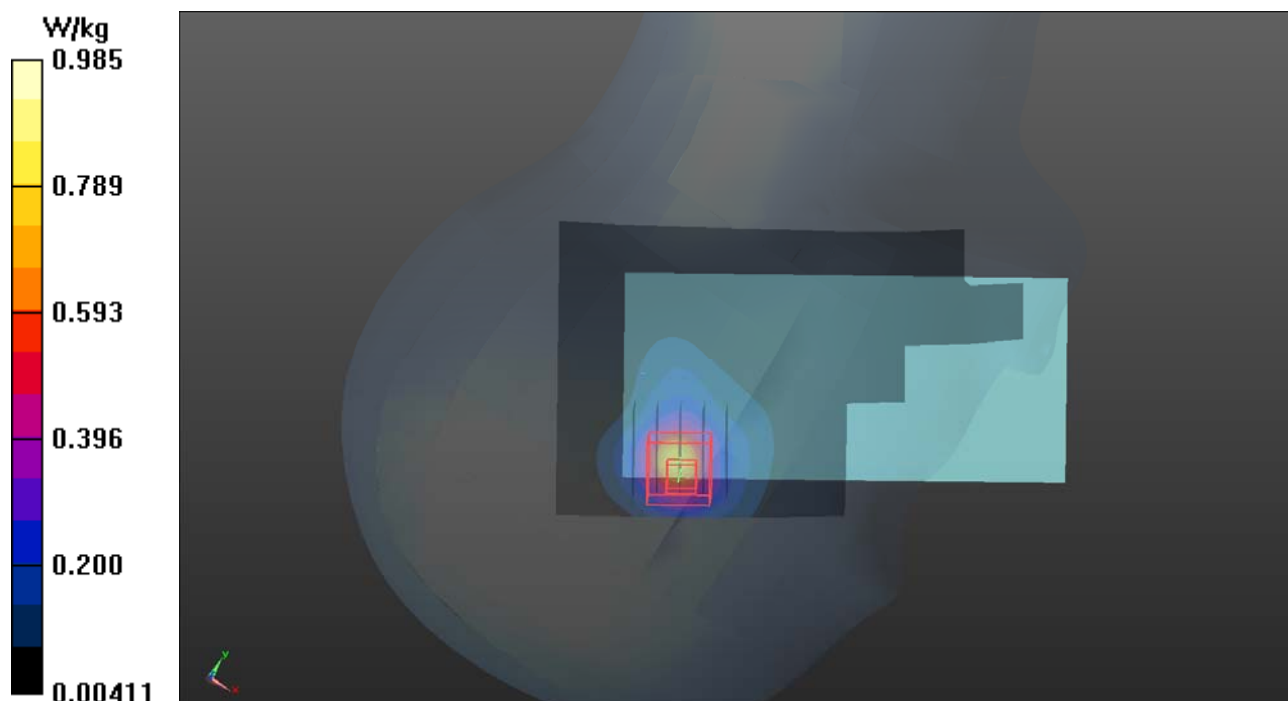
**- Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 21.43 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.30 W/kg

**SAR(1 g) = 0.544 W/kg; SAR(10 g) = 0.264 W/kg**

Maximum value of SAR (measured) = 0.985 W/kg



**P15 LTE 41\_QPSK20M\_Right Cheek\_Ch40185\_1RB\_OS0\_Sample1\_Ant3****DUT: 181001C14**

Communication System: LTE TDD CF0; Frequency: 2549.5 MHz; Duty Cycle: 1:1.58

Medium: H19T27N1\_1125 Medium parameters used:  $f = 2550$  MHz;  $\sigma = 1.971$  S/m;  $\epsilon_r = 37.761$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3971; ConvF(7.59, 7.59, 7.59); Calibrated: 2018/03/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1431; Calibrated: 2018/03/16
- Phantom: Twin SAM Phantom\_1823; Type: QD000P40CD;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

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

Maximum value of SAR (interpolated) = 0.619 W/kg

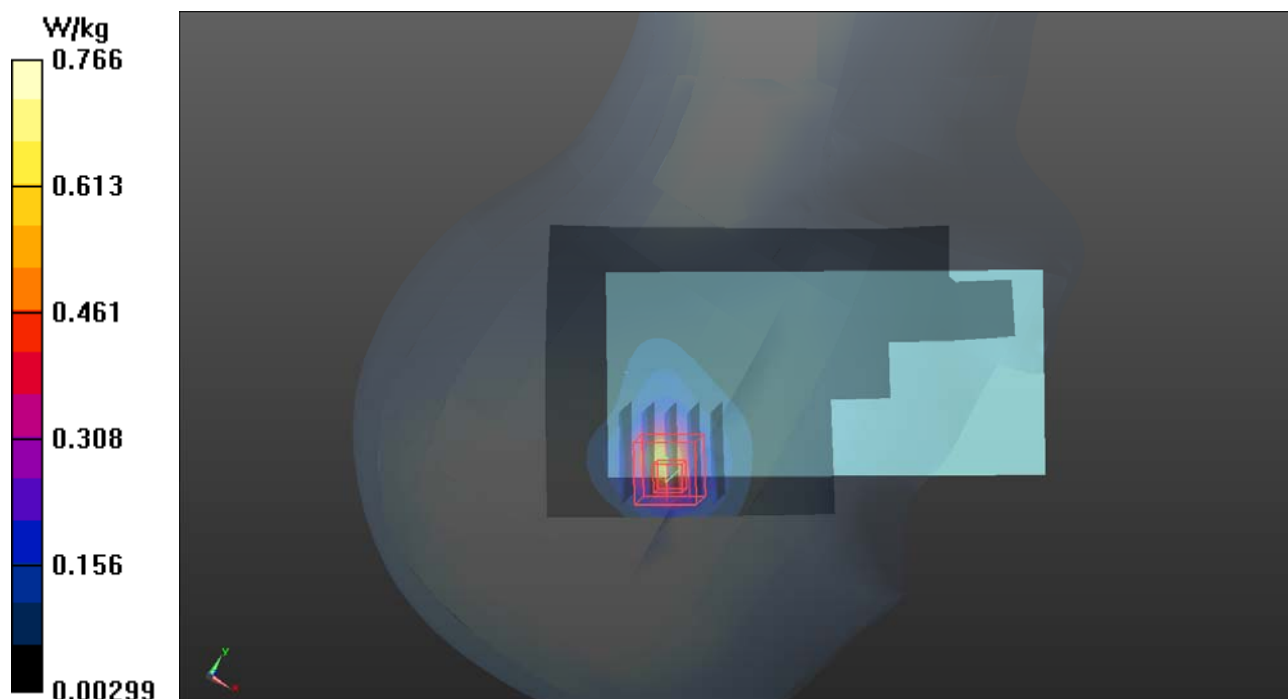
**- Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 19.30 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 1.02 W/kg

**SAR(1 g) = 0.488 W/kg; SAR(10 g) = 0.221 W/kg**

Maximum value of SAR (measured) = 0.766 W/kg



**P16 LTE 66\_QPSK20M\_Right Tilted\_Ch132572\_1RB\_OS50\_Sample1\_Ant1****DUT: 181001C14**

Communication System: LTE; Frequency: 1770 MHz; Duty Cycle: 1:1

Medium: H16T20N1\_1124 Medium parameters used:  $f = 1770$  MHz;  $\sigma = 1.341$  S/m;  $\epsilon_r = 38.865$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3971; ConvF(8.9, 8.9, 8.9); Calibrated: 2018/03/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1431; Calibrated: 2018/03/16
- Phantom: Twin SAM Phantom\_1823; Type: QD000P40CD;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

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

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

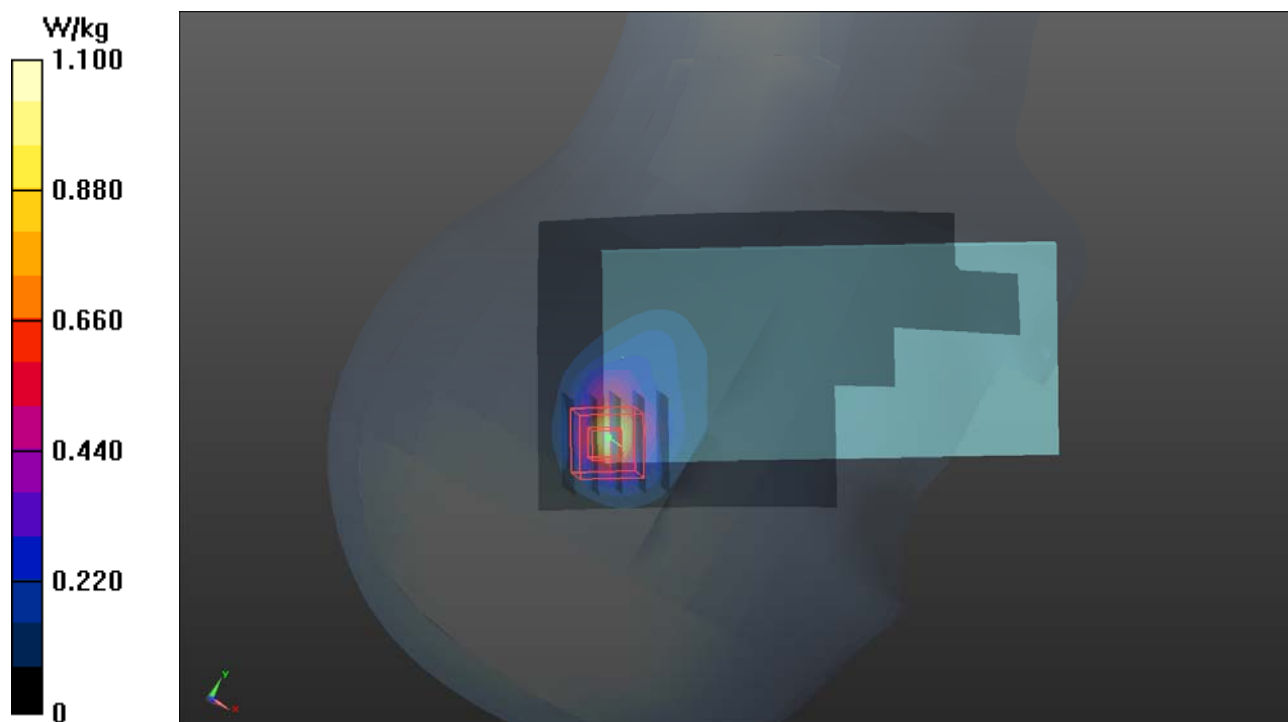
**- Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 24.30 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 1.16 W/kg

**SAR(1 g) = 0.495 W/kg; SAR(10 g) = 0.240 W/kg**

Maximum value of SAR (measured) = 0.940 W/kg



**P17 WLAN2.4G\_802.11b\_Left Cheek\_Ch6\_Ant0+1****DUT: 181001C14**

Communication System: WLAN\_2.4G; Frequency: 2437 MHz; Duty Cycle: 1:1.01

Medium: H19T27N1\_1114 Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.868$  S/m;  $\epsilon_r = 38.359$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3898; ConvF(7.59, 7.59, 7.59); Calibrated: 2018/06/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2018/01/18
- Phantom: Twin SAM Phantom\_1496; Type: QD000P40CA;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

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

Maximum value of SAR (interpolated) = 1.85 W/kg

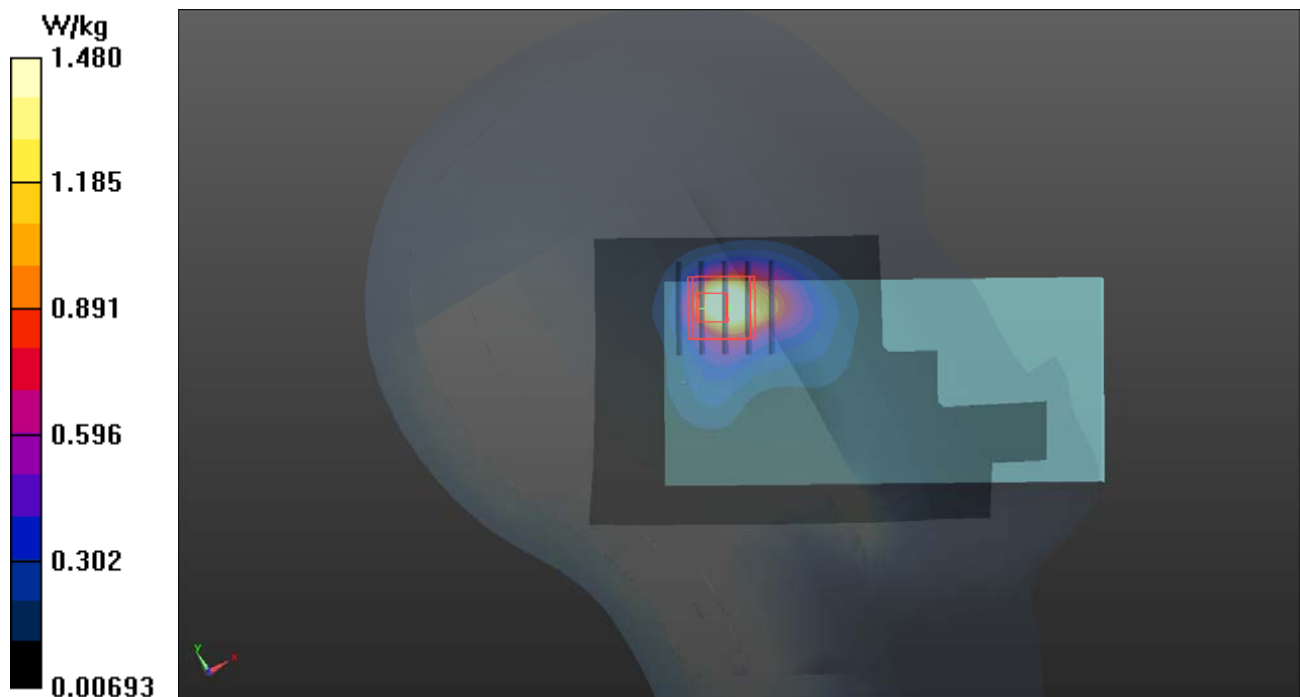
**- Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 30.08 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 1.85 W/kg

**SAR(1 g) = 0.983 W/kg; SAR(10 g) = 0.496 W/kg**

Maximum value of SAR (measured) = 1.48 W/kg



**P18 WLAN5.3G\_802.11ac VHT80\_Left Tilted\_Ch58\_Sample1\_Ant0****DUT: 181001C14**

Communication System: WLAN\_5G; Frequency: 5290 MHz; Duty Cycle: 1:1.1

Medium: H34T60N1\_1114 Medium parameters used:  $f = 5290$  MHz;  $\sigma = 4.782$  S/m;  $\epsilon_r = 35.559$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3898; ConvF(5.4, 5.4, 5.4); Calibrated: 2018/06/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2018/01/18
- Phantom: Twin SAM Phantom\_1496; Type: QD000P40CA;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

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

Maximum value of SAR (interpolated) = 1.49 W/kg

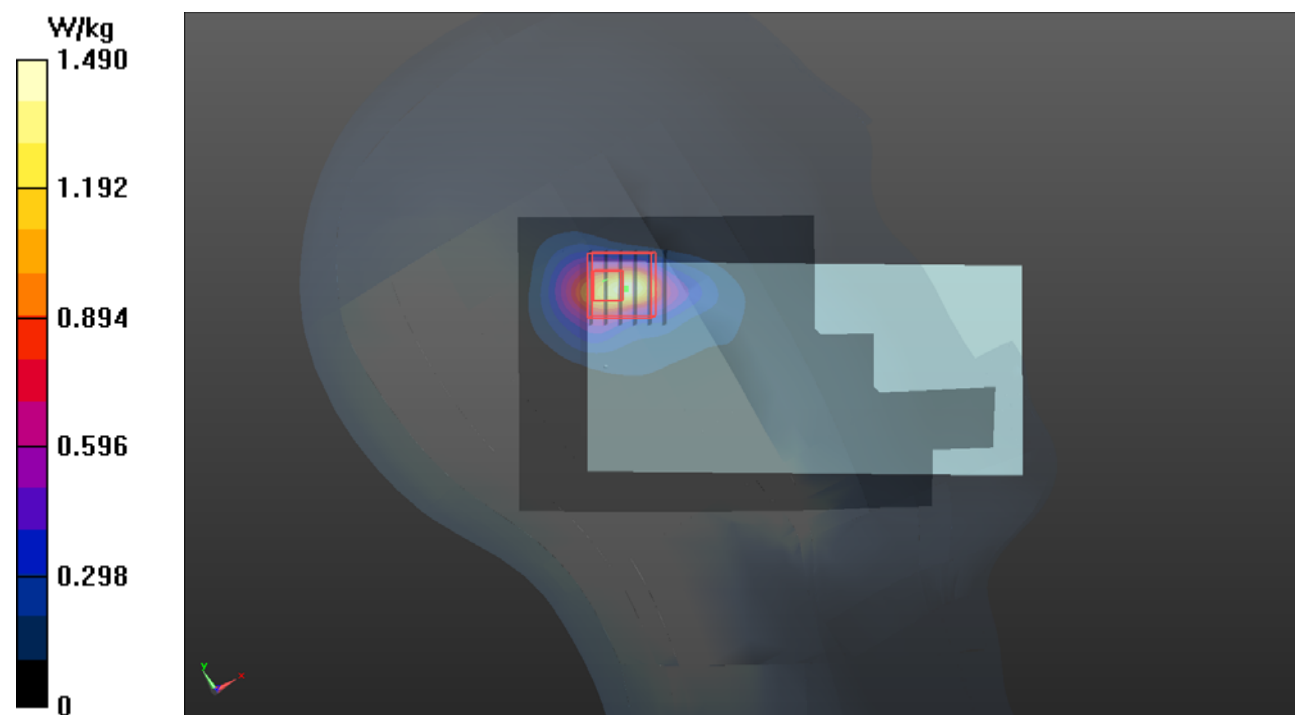
**- Zoom Scan (6x6x12)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=2mm

Reference Value = 15.56 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 4.07 W/kg

**SAR(1 g) = 0.995 W/kg; SAR(10 g) = 0.297 W/kg**

Maximum value of SAR (measured) = 2.40 W/kg



**P19 WLAN5.6G\_802.11ac VHT80\_Left Cheek\_Ch138\_Sample1\_Ant0+1****DUT: 181001C14**

Communication System: WLAN\_5G; Frequency: 5690 MHz; Duty Cycle: 1:1.1

Medium: H34T60N1\_1114 Medium parameters used:  $f = 5690$  MHz;  $\sigma = 5.188$  S/m;  $\epsilon_r = 34.973$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3898; ConvF(5.09, 5.09, 5.09); Calibrated: 2018/06/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2018/01/18
- Phantom: Twin SAM Phantom\_1496; Type: QD000P40CA;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

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

Maximum value of SAR (interpolated) = 2.07 W/kg

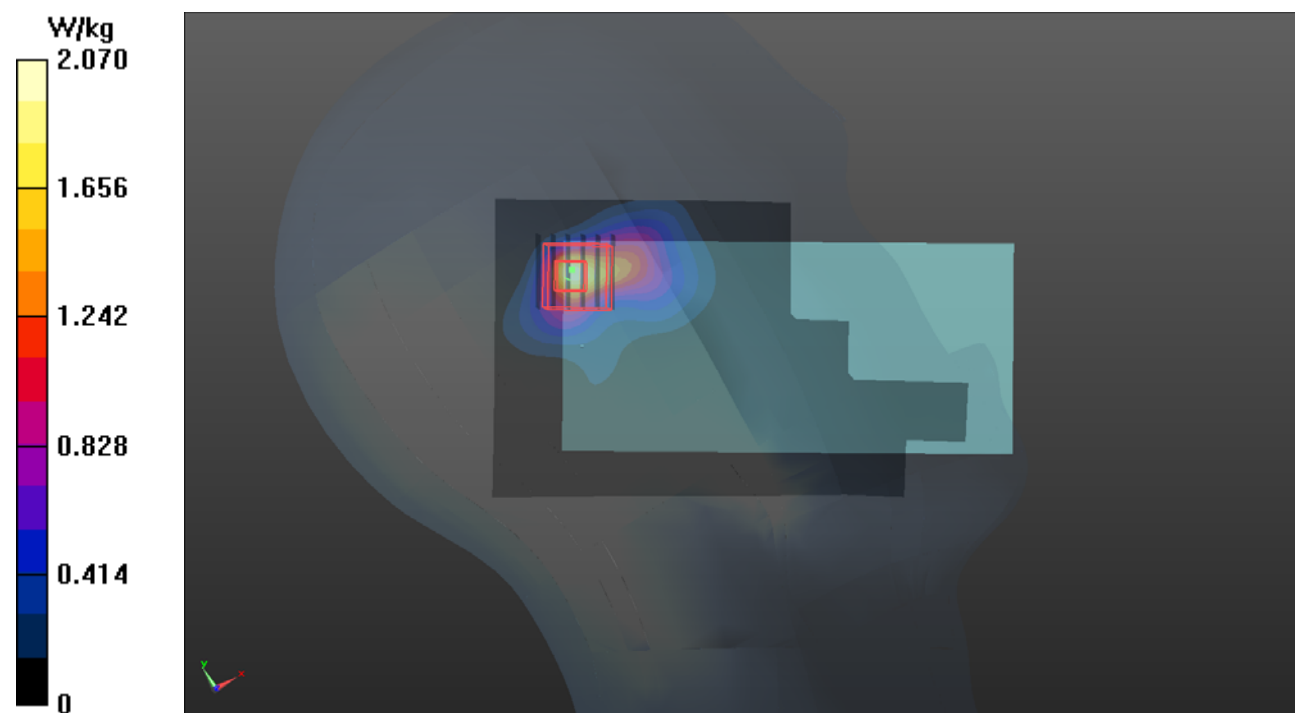
**- Zoom Scan (6x6x12)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=2mm

Reference Value = 15.28 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 4.86 W/kg

**SAR(1 g) = 0.904 W/kg; SAR(10 g) = 0.268 W/kg**

Maximum value of SAR (measured) = 2.46 W/kg



**P20 WLAN5.8G\_802.11ac VHT80\_Left Tilted\_Ch155\_Sample1\_Ant0+1****DUT: 181001C14**

Communication System: WLAN\_5G; Frequency: 5775 MHz; Duty Cycle: 1:1.1

Medium: H34T60N1\_0128 Medium parameters used:  $f = 5775$  MHz;  $\sigma = 5.34$  S/m;  $\epsilon_r = 36.318$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.8 °C ; Liquid Temperature : 23.4 °C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN7472; ConvF(5.32, 5.32, 5.32); Calibrated: 2018/08/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1431; Calibrated: 2018/03/16
- Phantom: Twin SAM Phantom\_1654; Type: QD000P40CD;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

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

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

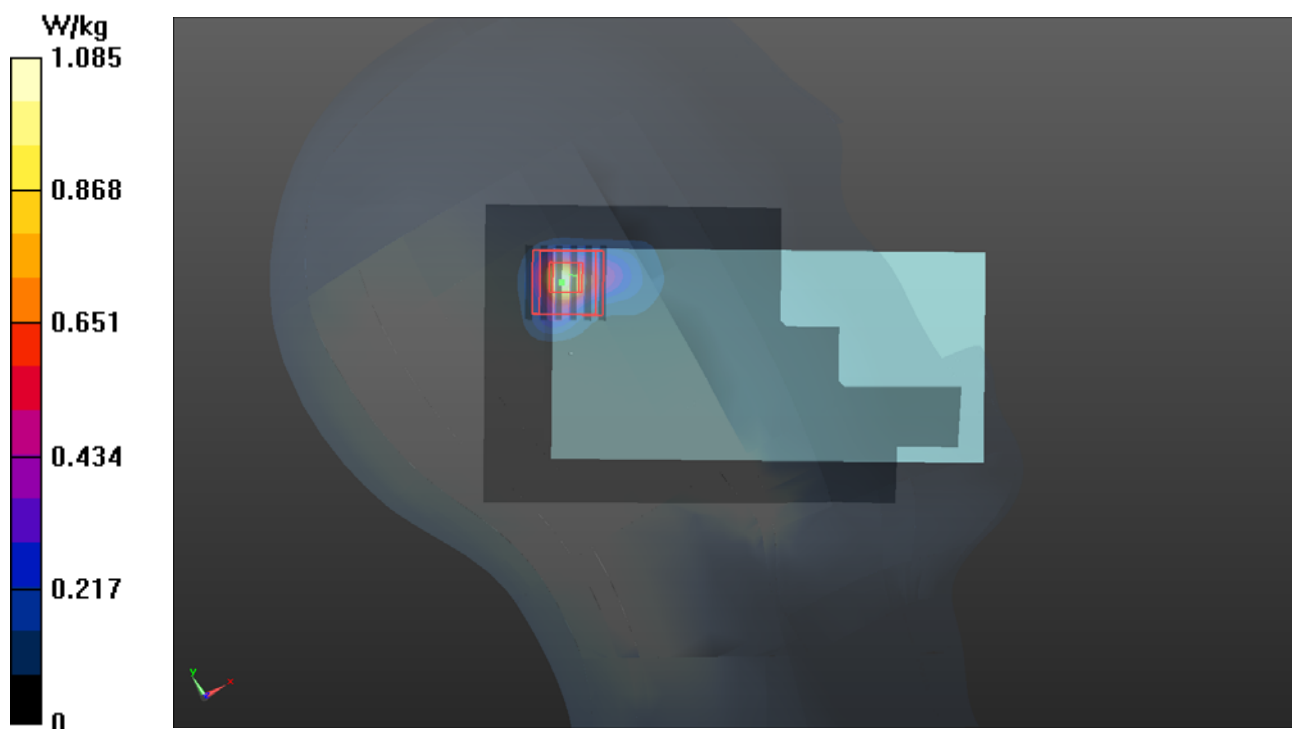
**- Zoom Scan (6x6x12)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=2$ mm

Reference Value = 15.70 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 4.22 W/kg

**SAR(1 g) = 1.02 W/kg; SAR(10 g) = 0.324 W/kg**

Maximum value of SAR (measured) = 2.20 W/kg



**P21 BT\_BDR\_Left Cheek\_Ch39\_Sample1\_Ant0****DUT: 181001C14**

Communication System: BT; Frequency: 2441 MHz; Duty Cycle: 1:1.3

Medium: H19T27N1\_1114 Medium parameters used:  $f = 2441$  MHz;  $\sigma = 1.872$  S/m;  $\epsilon_r = 38.341$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3898; ConvF(7.59, 7.59, 7.59); Calibrated: 2018/06/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2018/01/18
- Phantom: Twin SAM Phantom\_1496; Type: QD000P40CA;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

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

Maximum value of SAR (interpolated) = 0.394 W/kg

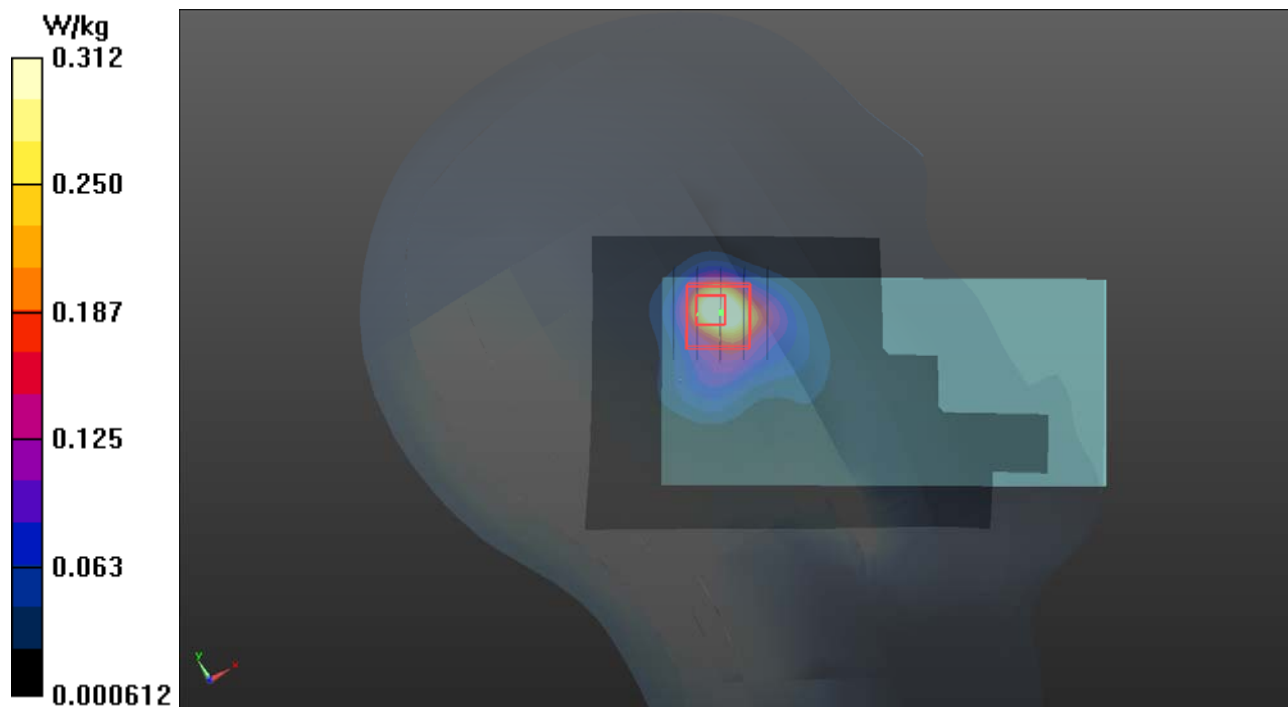
**- Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.35 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.412 W/kg

**SAR(1 g) = 0.224 W/kg; SAR(10 g) = 0.101 W/kg**

Maximum value of SAR (measured) = 0.312 W/kg



**P22 GSM850\_GPRS12\_Rear Face\_10mm\_Ch189\_Sample1\_Ant1****DUT: 181001C14**

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

Medium: B07T10N1\_1126 Medium parameters used:  $f = 836.4$  MHz;  $\sigma = 1.018$  S/m;  $\epsilon_r = 57.256$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration:**

- Probe: EX3DV4 - SN7472; ConvF(10.35, 10.35, 10.35); Calibrated: 2018/08/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2018/05/30
- Phantom: Twin SAM Phantom\_1652; Type: QD000P40;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

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

Maximum value of SAR (interpolated) = 0.152 W/kg

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

Reference Value = 12.03 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 0.171 W/kg

**SAR(1 g) = 0.109 W/kg; SAR(10 g) = 0.079 W/kg**

Maximum value of SAR (measured) = 0.141 W/kg

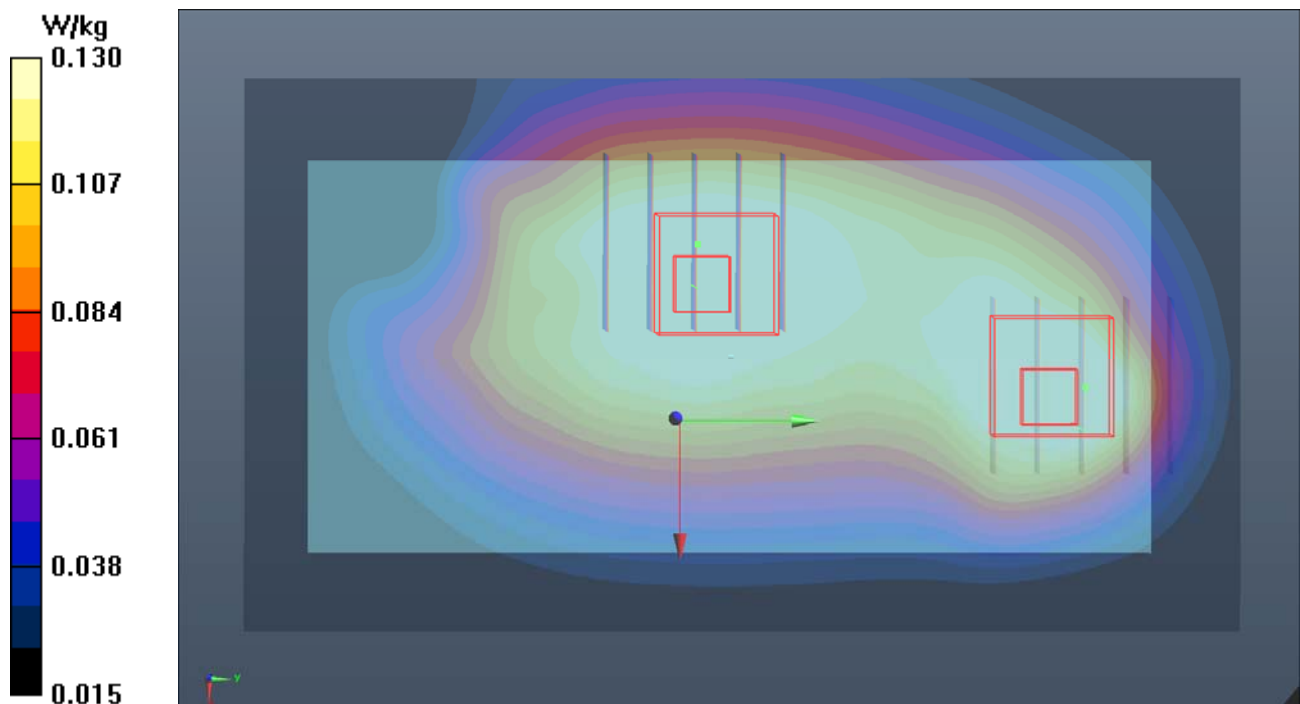
**- Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.03 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 0.143 W/kg

**SAR(1 g) = 0.107 W/kg; SAR(10 g) = 0.077 W/kg**

Maximum value of SAR (measured) = 0.130 W/kg



**P23 GSM1900\_GPRS12\_Rear Face\_10mm\_Ch810\_Sample1\_Ant1****DUT: 181001C14**

Communication System: GPRS12; Frequency: 1909.8 MHz; Duty Cycle: 1:2

Medium: B16T20N1\_1127 Medium parameters used:  $f = 1910$  MHz;  $\sigma = 1.573$  S/m;  $\epsilon_r = 50.937$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration:**

- Probe: EX3DV4 - SN7472; ConvF(8.07, 8.07, 8.07); Calibrated: 2018/08/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2018/05/30
- Phantom: Twin SAM Phantom\_1652; Type: QD000P40;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

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

Maximum value of SAR (interpolated) = 0.703 W/kg

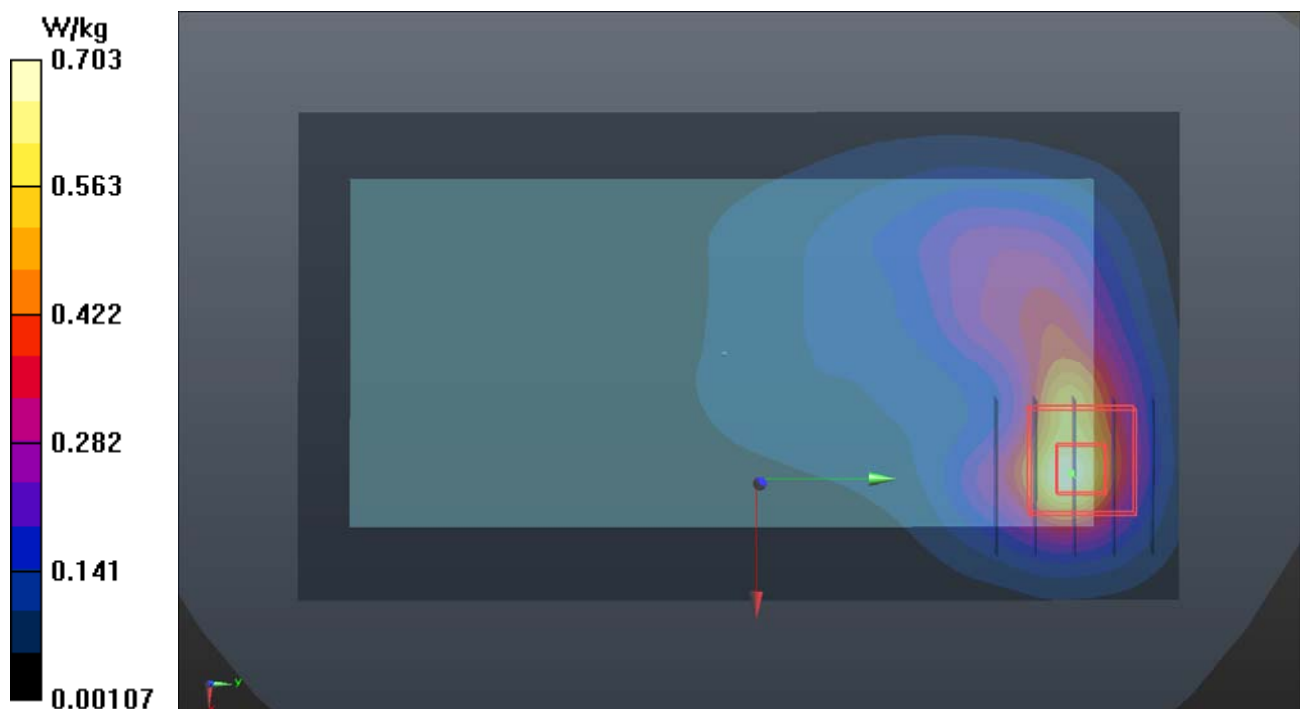
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 19.46 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.777 W/kg

**SAR(1 g) = 0.431 W/kg; SAR(10 g) = 0.226 W/kg**

Maximum value of SAR (measured) = 0.656 W/kg



**P24 WCDMA II\_RMC12.2K\_Rear Face\_10mm\_Ch9538\_Sample1\_Ant1****DUT: 181001C14**

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

Medium: B16T20N1\_1127 Medium parameters used:  $f = 1908$  MHz;  $\sigma = 1.572$  S/m;  $\epsilon_r = 50.945$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration:**

- Probe: EX3DV4 - SN7472; ConvF(8.07, 8.07, 8.07); Calibrated: 2018/08/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2018/05/30
- Phantom: Twin SAM Phantom\_1652; Type: QD000P40;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

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

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

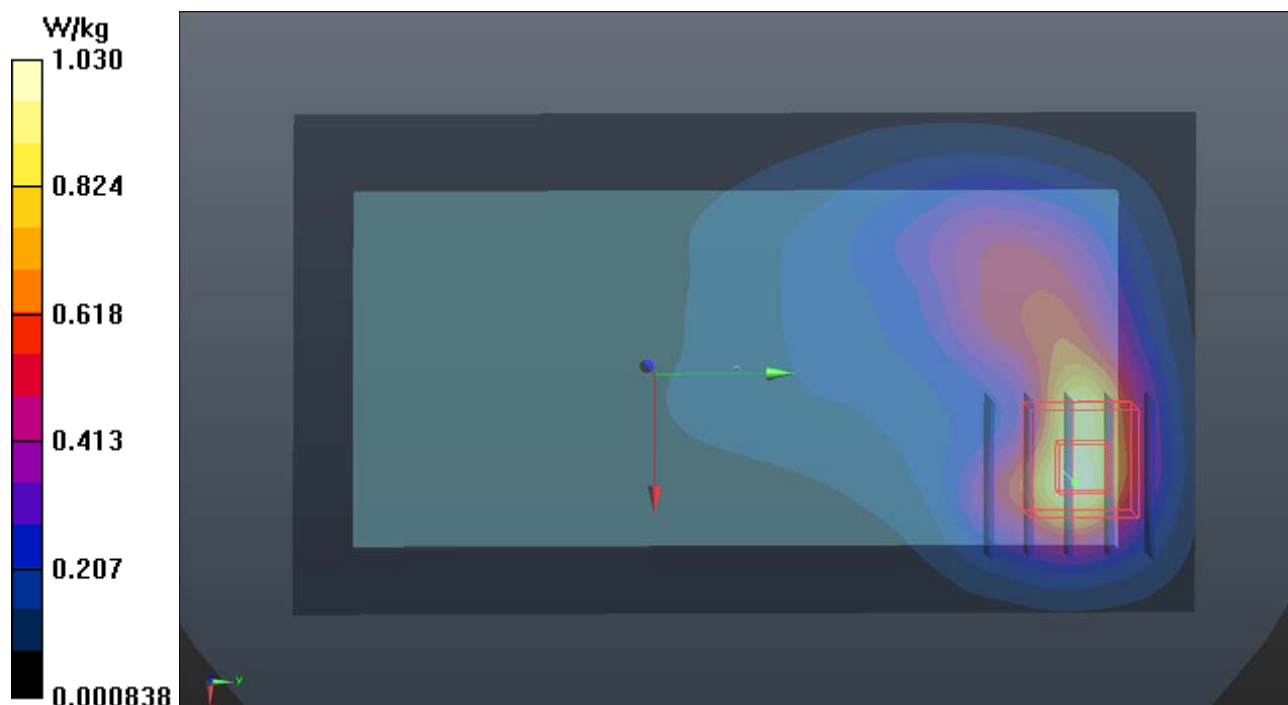
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 24.85 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 1.23 W/kg

**SAR(1 g) = 0.688 W/kg; SAR(10 g) = 0.365 W/kg**

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



**P25 WCDMA IV\_RMC12.2K\_Rear Face\_10mm\_Ch1413\_Sample1\_Ant0****DUT: 181001C14**

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

Medium: B16T20N1\_1129 Medium parameters used:  $f = 1733$  MHz;  $\sigma = 1.425$  S/m;  $\epsilon_r = 53.414$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.9 °C ; Liquid Temperature : 23.4 °C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN7472; ConvF(8.42, 8.42, 8.42); Calibrated: 2018/08/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2018/05/30
- Phantom: Twin SAM Phantom\_1652; Type: QD000P40;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

**- Area Scan (71x141x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.638 W/kg

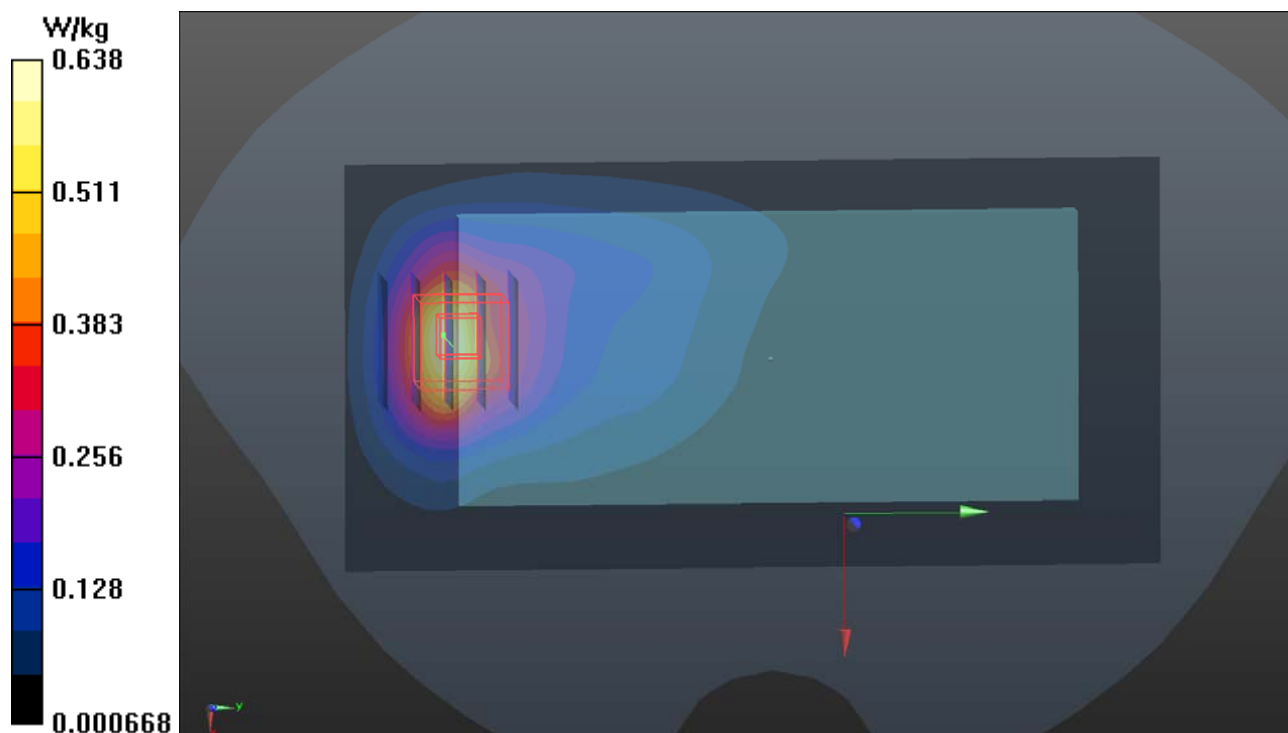
**- Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 20.06 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.896 W/kg

**SAR(1 g) = 0.513 W/kg; SAR(10 g) = 0.274 W/kg**

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



**P26 WCDMA V\_RMC12.2K\_Rear Face\_10mm\_Ch4233\_Sample1\_Ant1****DUT: 181001C14**

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

Medium: B07T10N1\_1126 Medium parameters used:  $f = 847$  MHz;  $\sigma = 1.028$  S/m;  $\epsilon_r = 57.169$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration:**

- Probe: EX3DV4 - SN7472; ConvF(10.35, 10.35, 10.35); Calibrated: 2018/08/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2018/05/30
- Phantom: Twin SAM Phantom\_1652; Type: QD000P40;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

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

Maximum value of SAR (interpolated) = 0.170 W/kg

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

Reference Value = 12.68 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.201 W/kg

**SAR(1 g) = 0.124 W/kg; SAR(10 g) = 0.083 W/kg**

Maximum value of SAR (measured) = 0.164 W/kg

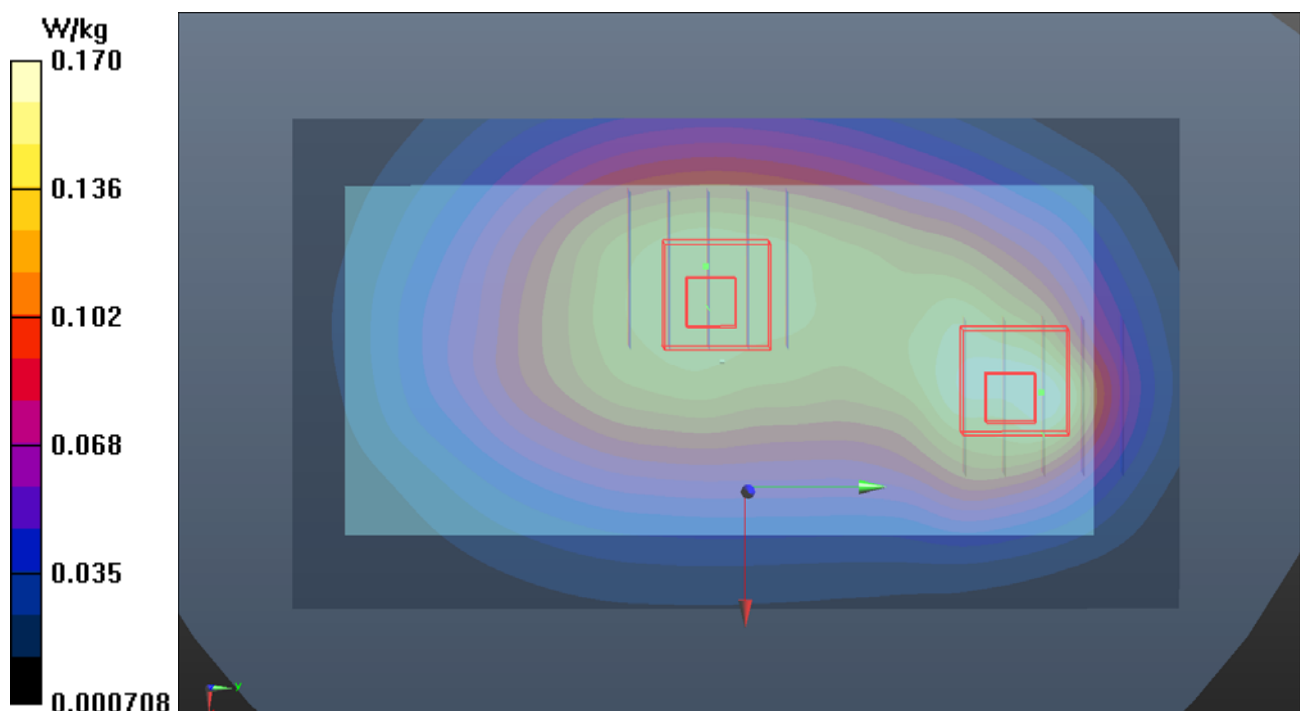
**- Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.68 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.160 W/kg

**SAR(1 g) = 0.120 W/kg; SAR(10 g) = 0.091 W/kg**

Maximum value of SAR (measured) = 0.146 W/kg



**P27 CDMA BC0\_RTAP153.6\_Rear Face\_10mm\_Ch1013\_Sample1\_Ant1****DUT: 181001C14**

Communication System: CDMA2000; Frequency: 824.7 MHz; Duty Cycle: 1:1

Medium: B07T10N1\_1126 Medium parameters used:  $f = 825$  MHz;  $\sigma = 1.008$  S/m;  $\epsilon_r = 57.352$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.6 °C ; Liquid Temperature : 23.2 °C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN7472; ConvF(10.35, 10.35, 10.35); Calibrated: 2018/08/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2018/05/30
- Phantom: Twin SAM Phantom\_1652; Type: QD000P40;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

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

Maximum value of SAR (interpolated) = 0.207 W/kg

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

Reference Value = 13.77 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 0.227 W/kg

**SAR(1 g) = 0.145 W/kg; SAR(10 g) = 0.097 W/kg**

Maximum value of SAR (measured) = 0.187 W/kg

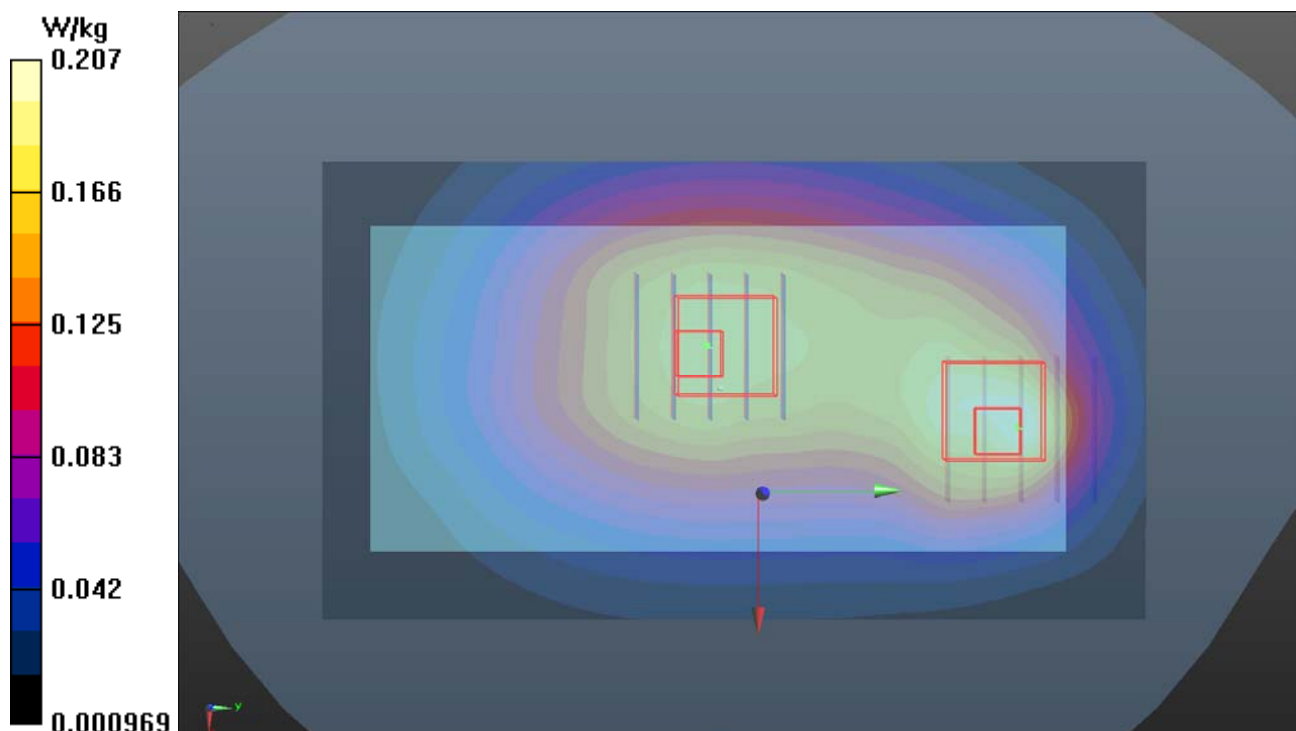
**- Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.77 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 0.185 W/kg

**SAR(1 g) = 0.137 W/kg; SAR(10 g) = 0.104 W/kg**

Maximum value of SAR (measured) = 0.167 W/kg



**P28 CDMA BC1\_RTAP153.6\_Rear Face\_10mm\_Ch1175\_Sample1\_Ant1****DUT: 181001C14**

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

Medium: B16T20N1\_1127 Medium parameters used:  $f = 1909$  MHz;  $\sigma = 1.572$  S/m;  $\epsilon_r = 50.94$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration:**

- Probe: EX3DV4 - SN7472; ConvF(8.07, 8.07, 8.07); Calibrated: 2018/08/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2018/05/30
- Phantom: Twin SAM Phantom\_1652; Type: QD000P40;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

- **Area Scan (71x141x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.850 W/kg

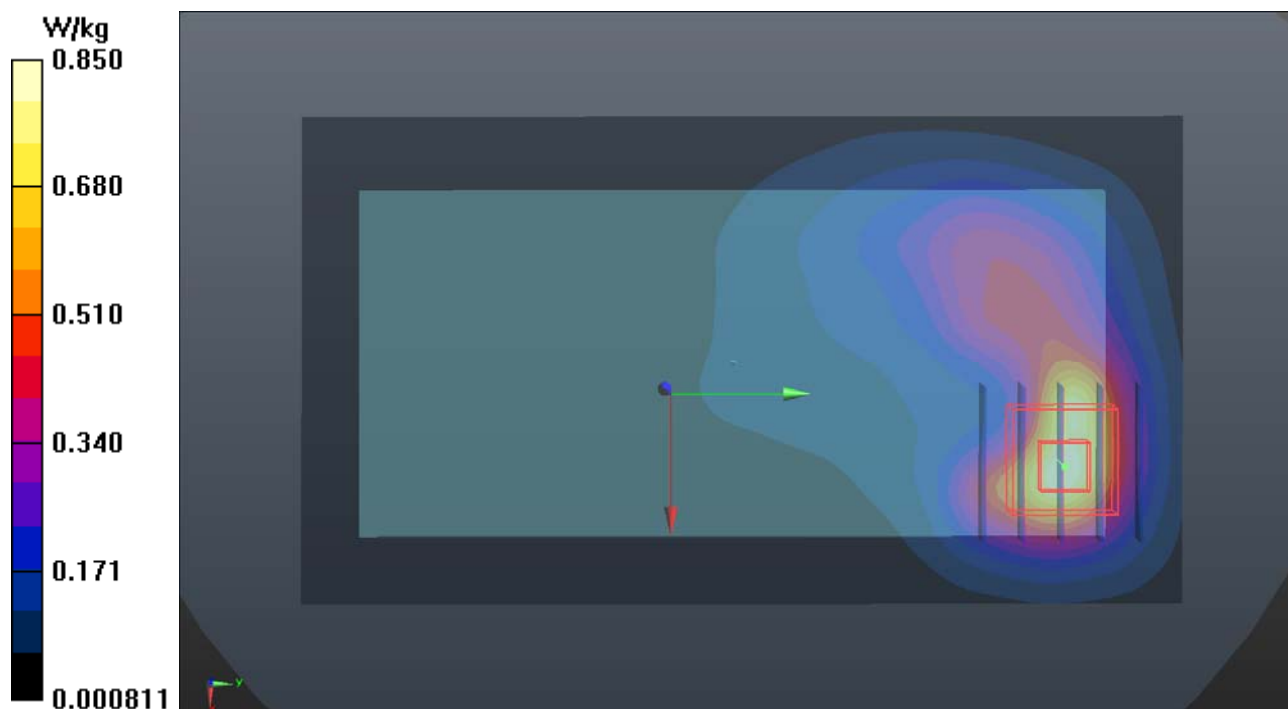
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 22.84 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 1.11 W/kg

**SAR(1 g) = 0.495 W/kg; SAR(10 g) = 0.259 W/kg**

Maximum value of SAR (measured) = 0.943 W/kg



**P29 CDMA BC10\_RTAP153.6\_Rear Face\_10mm\_Ch684\_Sample1\_Ant1****DUT: 181001C14**

Communication System: CDMA2000; Frequency: 823.1 MHz; Duty Cycle: 1:1

Medium: B07T10N1\_1126 Medium parameters used:  $f = 823.1$  MHz;  $\sigma = 1.006$  S/m;  $\epsilon_r = 57.365$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration:**

- Probe: EX3DV4 - SN7472; ConvF(10.35, 10.35, 10.35); Calibrated: 2018/08/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2018/05/30
- Phantom: Twin SAM Phantom\_1652; Type: QD000P40;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

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

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

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

Reference Value = 11.69 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.161 W/kg

**SAR(1 g) = 0.099 W/kg; SAR(10 g) = 0.066 W/kg**

Maximum value of SAR (measured) = 0.130 W/kg

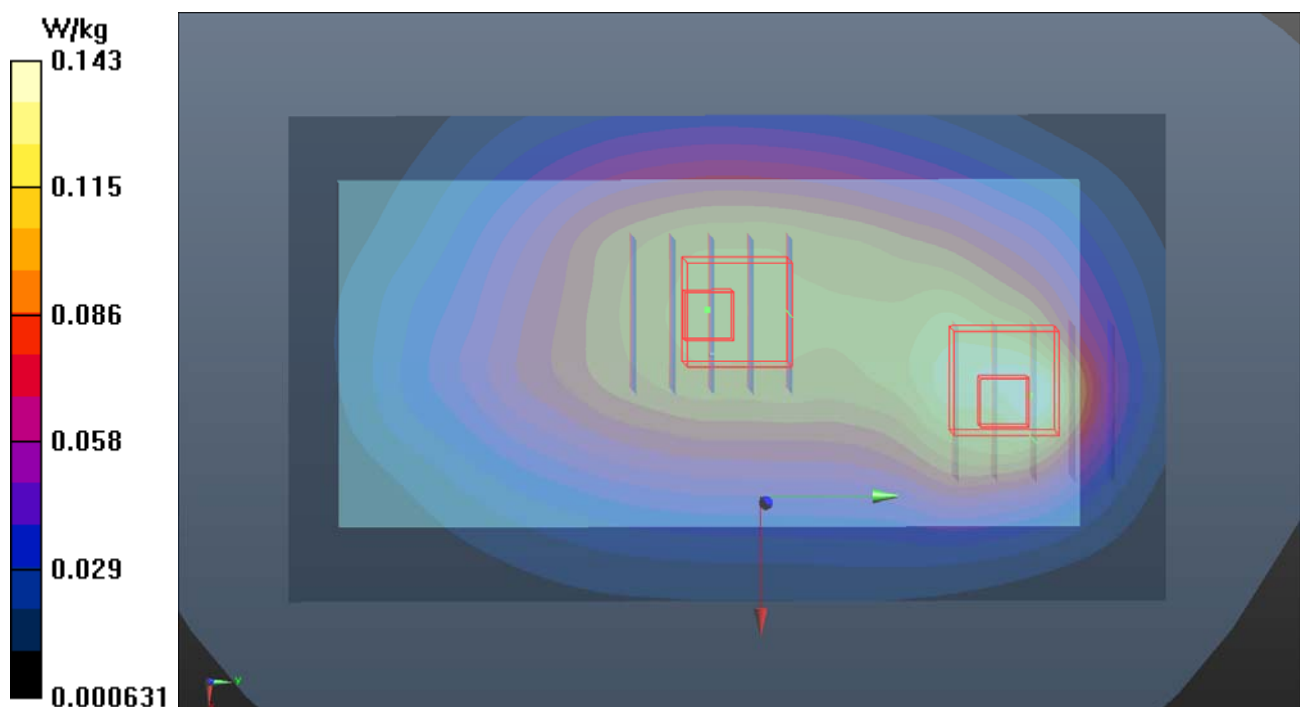
**- Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.69 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.118 W/kg

**SAR(1 g) = 0.089 W/kg; SAR(10 g) = 0.068 W/kg**

Maximum value of SAR (measured) = 0.108 W/kg



**P30 LTE 7\_QPSK20M\_Rear Face\_10mm\_Ch20850\_1RB\_OS0\_Sample1\_Ant2****DUT: 181001C14**

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

Medium: B19T27N3\_1129 Medium parameters used:  $f = 2510$  MHz;  $\sigma = 2.037$  S/m;  $\epsilon_r = 51.178$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration:**

- Probe: EX3DV4 - SN7472; ConvF(7.7, 7.7, 7.7); Calibrated: 2018/08/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2018/05/30
- Phantom: Twin SAM Phantom\_1652; Type: QD000P40;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

**- Area Scan (91x171x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.776 W/kg

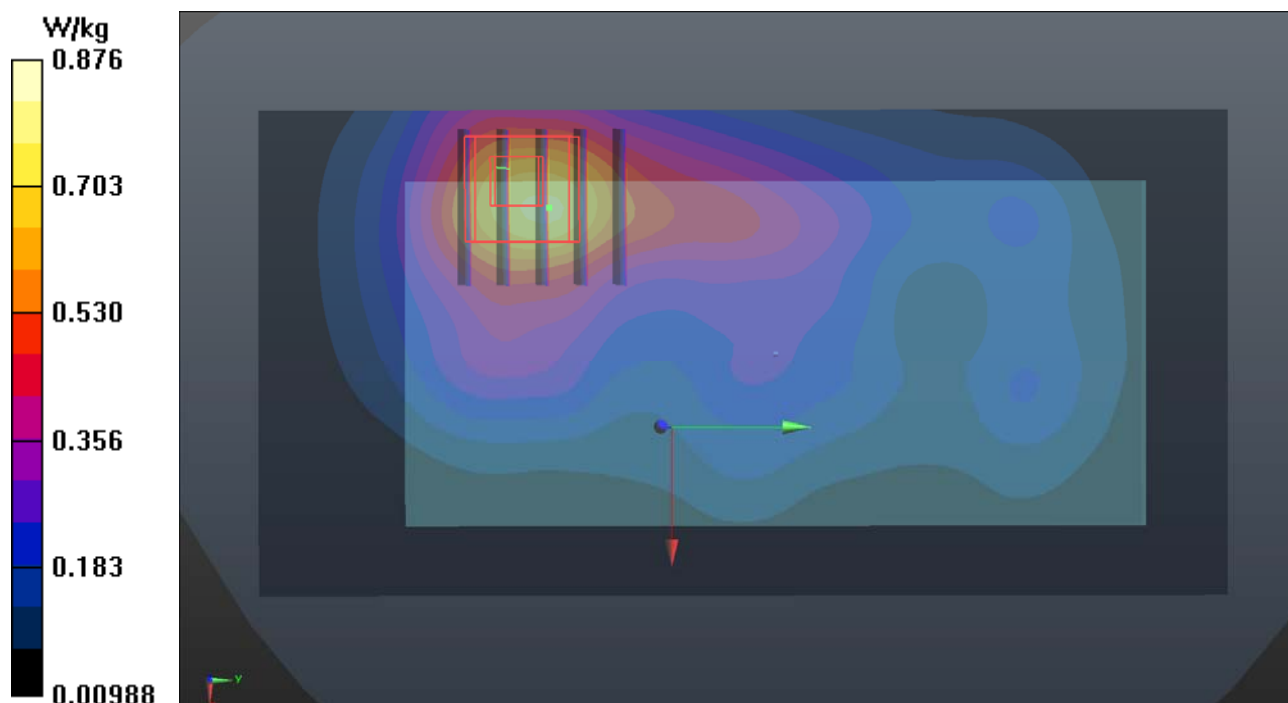
**- Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 20.22 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 1.12 W/kg

**SAR(1 g) = 0.698 W/kg; SAR(10 g) = 0.293 W/kg**

Maximum value of SAR (measured) = 0.876 W/kg



**P31 LTE 12\_QPSK10M\_Rear Face\_10mm\_Ch23130\_1RB\_OS24\_Sample1\_Ant0****DUT: 181001C14**

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

Medium: B06T09N1\_1128 Medium parameters used:  $f = 711$  MHz;  $\sigma = 0.924$  S/m;  $\epsilon_r = 56.804$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.9 °C ; Liquid Temperature : 23.3 °C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN7472; ConvF(10.66, 10.66, 10.66); Calibrated: 2018/08/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2018/05/30
- Phantom: Twin SAM Phantom\_1652; Type: QD000P40;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

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

Maximum value of SAR (interpolated) = 0.237 W/kg

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

Reference Value = 16.18 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.249 W/kg

**SAR(1 g) = 0.177 W/kg; SAR(10 g) = 0.131 W/kg**

Maximum value of SAR (measured) = 0.221 W/kg

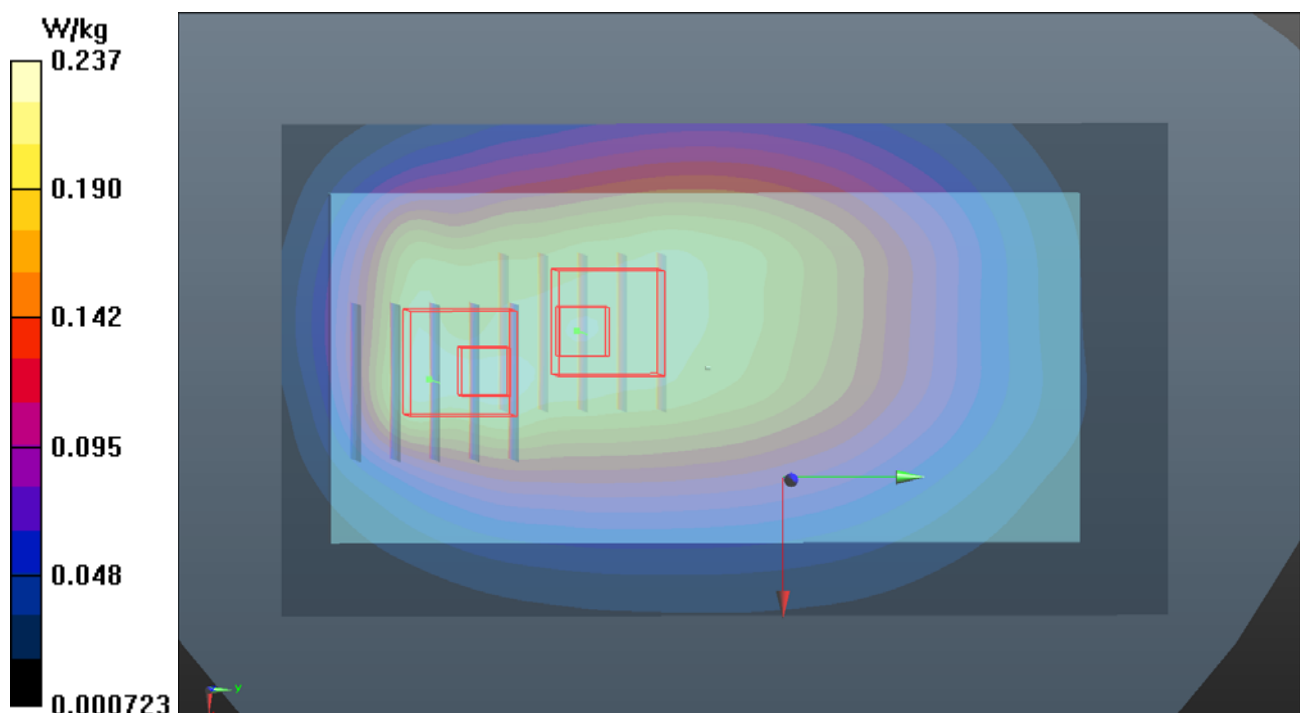
**- Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.18 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.267 W/kg

**SAR(1 g) = 0.163 W/kg; SAR(10 g) = 0.103 W/kg**

Maximum value of SAR (measured) = 0.221 W/kg



**P32 LTE 13\_QPSK10M\_Rear Face\_10mm\_Ch23230\_1RB\_OS24\_Sample1\_Ant1****DUT: 181001C14**

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

Medium: B06T09N1\_1128 Medium parameters used:  $f = 782 \text{ MHz}$ ;  $\sigma = 0.99 \text{ S/m}$ ;  $\epsilon_r = 56.114$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature :  $23.9^\circ\text{C}$  ; Liquid Temperature :  $23.3^\circ\text{C}$

**DASY5 Configuration:**

- Probe: EX3DV4 - SN7472; ConvF(10.66, 10.66, 10.66); Calibrated: 2018/08/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2018/05/30
- Phantom: Twin SAM Phantom\_1652; Type: QD000P40;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

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

Maximum value of SAR (interpolated) =  $0.237 \text{ W/kg}$

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

Reference Value =  $15.56 \text{ V/m}$ ; Power Drift =  $0.09 \text{ dB}$

Peak SAR (extrapolated) =  $0.253 \text{ W/kg}$

**SAR(1 g) =  $0.182 \text{ W/kg}$ ; SAR(10 g) =  $0.135 \text{ W/kg}$**

Maximum value of SAR (measured) =  $0.227 \text{ W/kg}$

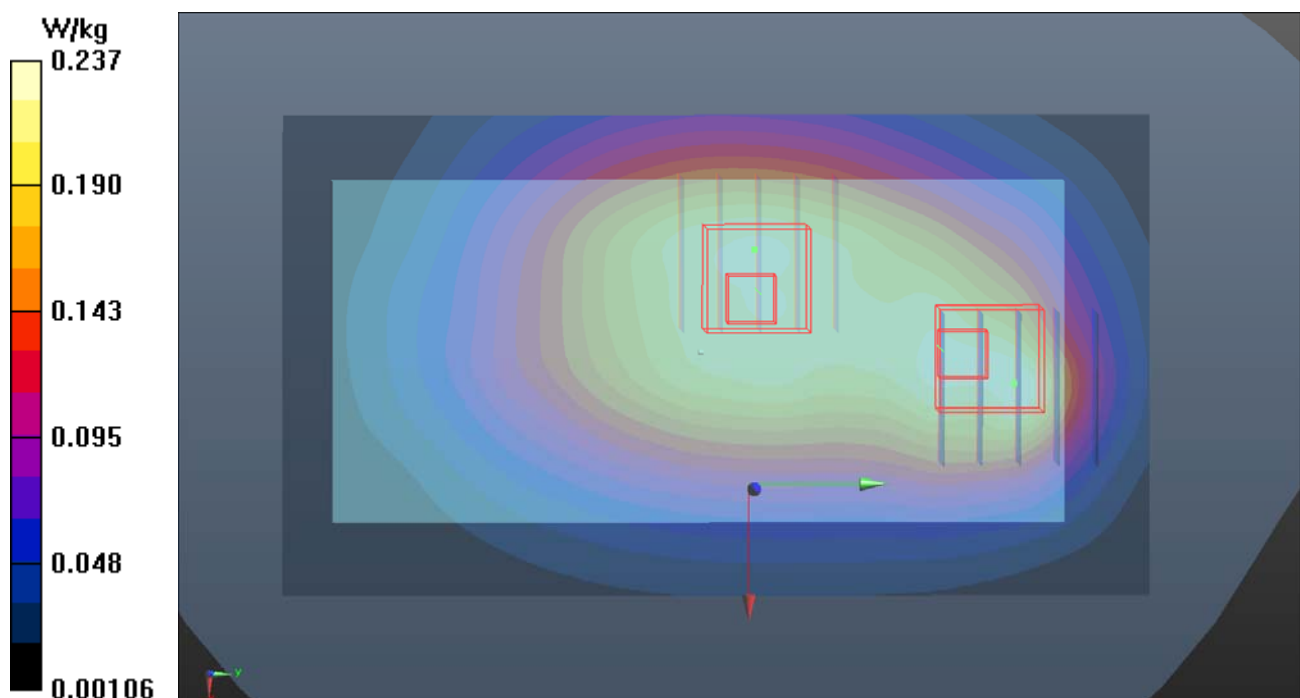
**- Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value =  $15.56 \text{ V/m}$ ; Power Drift =  $0.09 \text{ dB}$

Peak SAR (extrapolated) =  $0.257 \text{ W/kg}$

**SAR(1 g) =  $0.171 \text{ W/kg}$ ; SAR(10 g) =  $0.112 \text{ W/kg}$**

Maximum value of SAR (measured) =  $0.224 \text{ W/kg}$



**P33 LTE 25\_QPSK20M\_Rear Face\_10mm\_Ch26365\_1RB\_OS0\_Sample1\_Ant1****DUT: 181001C14**

Communication System: LTE; Frequency: 1882.5 MHz; Duty Cycle: 1:1

Medium: B16T20N1\_1127 Medium parameters used:  $f = 1882.5$  MHz;  $\sigma = 1.548$  S/m;  $\epsilon_r = 51.035$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7472; ConvF(8.07, 8.07, 8.07); Calibrated: 2018/08/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2018/05/30
- Phantom: Twin SAM Phantom\_1652; Type: QD000P40;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

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

Maximum value of SAR (interpolated) = 0.857 W/kg

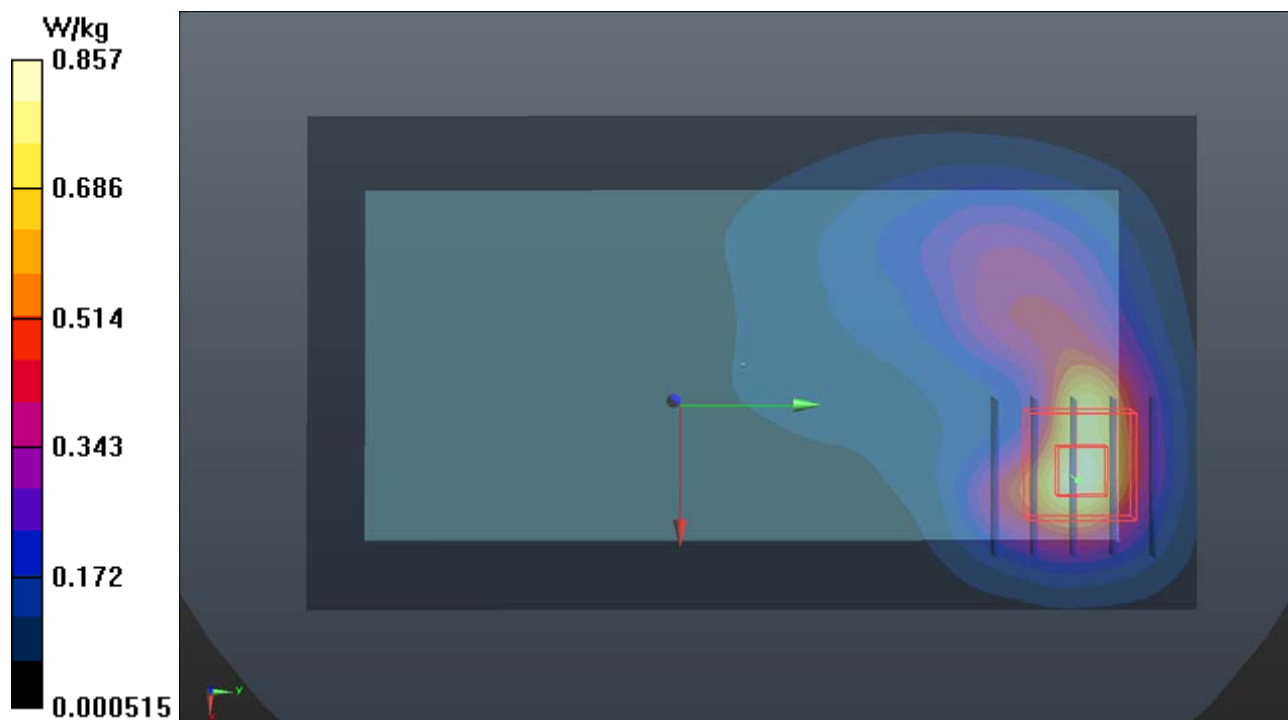
**- Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 22.89 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 1.08 W/kg

**SAR(1 g) = 0.585 W/kg; SAR(10 g) = 0.310 W/kg**

Maximum value of SAR (measured) = 0.896 W/kg



**P34 LTE 26\_QPSK15M\_Rear Face\_10mm\_Ch26865\_1RB\_OS0\_Sample1\_Ant1****DUT: 181001C14**

Communication System: LTE; Frequency: 831.5 MHz; Duty Cycle: 1:1

Medium: B07T10N1\_1128 Medium parameters used:  $f = 831.5$  MHz;  $\sigma = 0.969$  S/m;  $\epsilon_r = 57.741$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.9 °C ; Liquid Temperature : 23.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7472; ConvF(10.35, 10.35, 10.35); Calibrated: 2018/08/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2018/05/30
- Phantom: Twin SAM Phantom\_1652; Type: QD000P40;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

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

Maximum value of SAR (interpolated) = 0.124 W/kg

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

Reference Value = 10.33 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 0.127 W/kg

**SAR(1 g) = 0.082 W/kg; SAR(10 g) = 0.055 W/kg**

Maximum value of SAR (measured) = 0.108 W/kg

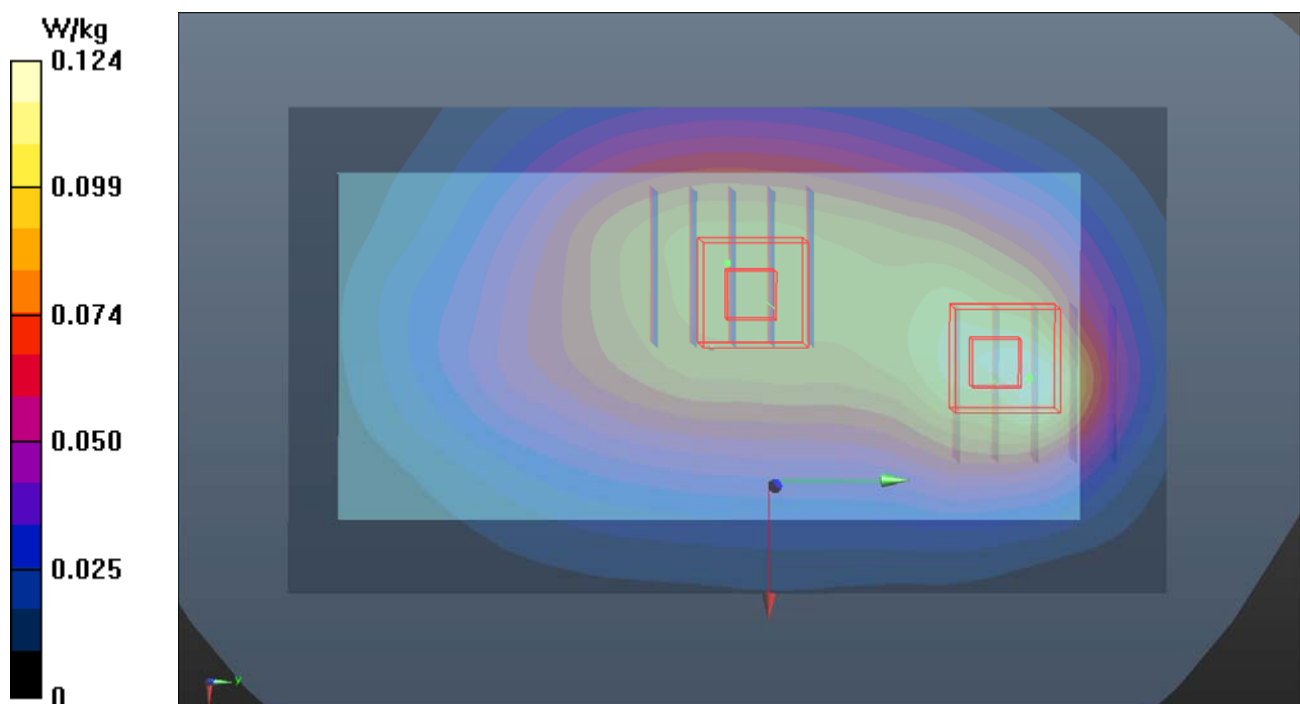
**- Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.33 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 0.105 W/kg

**SAR(1 g) = 0.076 W/kg; SAR(10 g) = 0.057 W/kg**

Maximum value of SAR (measured) = 0.0945 W/kg



**P35 LTE 38\_QPSK20M\_Rear Face\_10mm\_Ch38150\_1RB\_OS99\_Sample1\_Ant3****DUT: 181001C14**

Communication System: LTE TDD CF0; Frequency: 2610 MHz; Duty Cycle: 1:1.58

Medium: B19T27N3\_1129 Medium parameters used :  $f = 2610$  MHz;  $\sigma = 2.165$  S/m;  $\epsilon_r = 50.694$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration:**

- Probe: EX3DV4 - SN7472; ConvF(7.7, 7.7, 7.7) ; Calibrated: 2018/08/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2018/05/30
- Phantom: Twin SAM Phantom\_1652; Type: QD000P40;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

**- Area Scan (91x171x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.418 W/kg

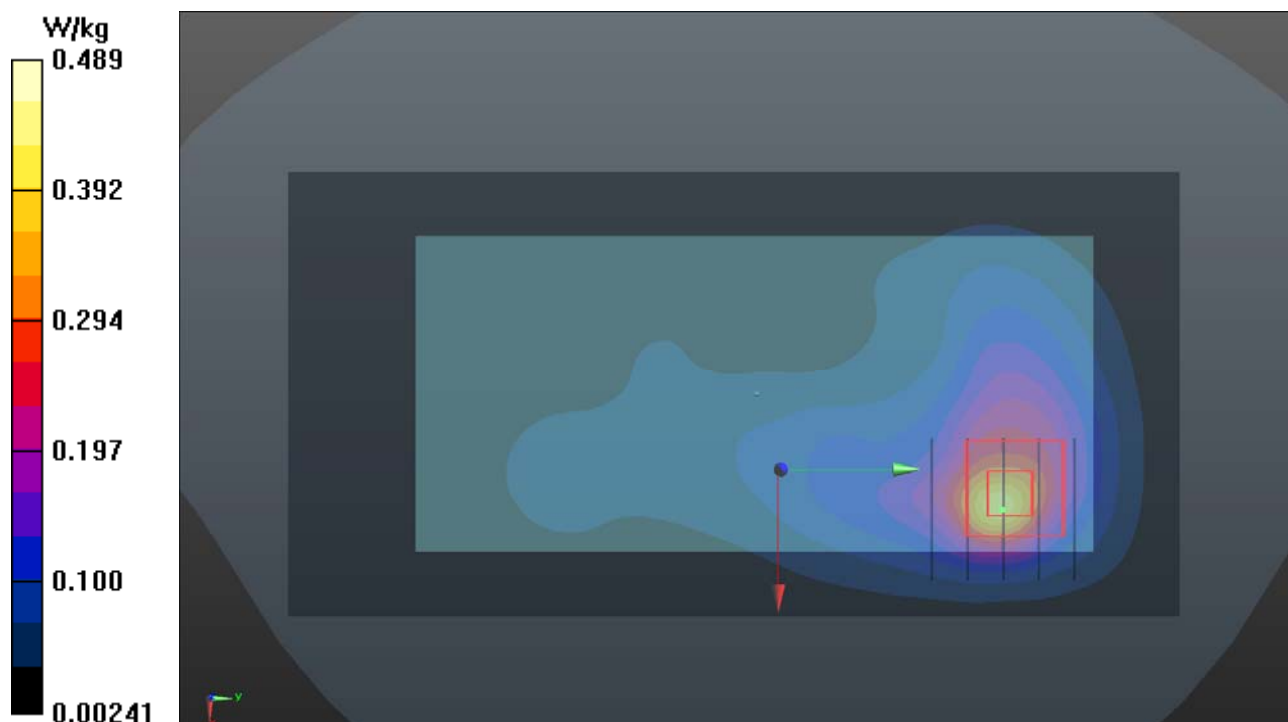
**- Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.05 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.653 W/kg

**SAR(1 g) = 0.308 W/kg; SAR(10 g) = 0.111 W/kg**

Maximum value of SAR (measured) = 0.489 W/kg



**P36 LTE 41\_QPSK20M\_Rear Face\_10mm\_Ch40185\_1RB\_OS0\_Sample1\_Ant3****DUT: 181001C14**

Communication System: LTE TDD CF0; Frequency: 2549.5 MHz; Duty Cycle: 1:1.58

Medium: B19T27N3\_1129 Medium parameters used:  $f = 2550$  MHz;  $\sigma = 2.087$  S/m;  $\epsilon_r = 50.998$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.9 °C ; Liquid Temperature : 23.4 °C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN7472; ConvF(7.7, 7.7, 7.7); Calibrated: 2018/08/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2018/05/30
- Phantom: Twin SAM Phantom\_1652; Type: QD000P40;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

- **Area Scan (91x171x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.344 W/kg

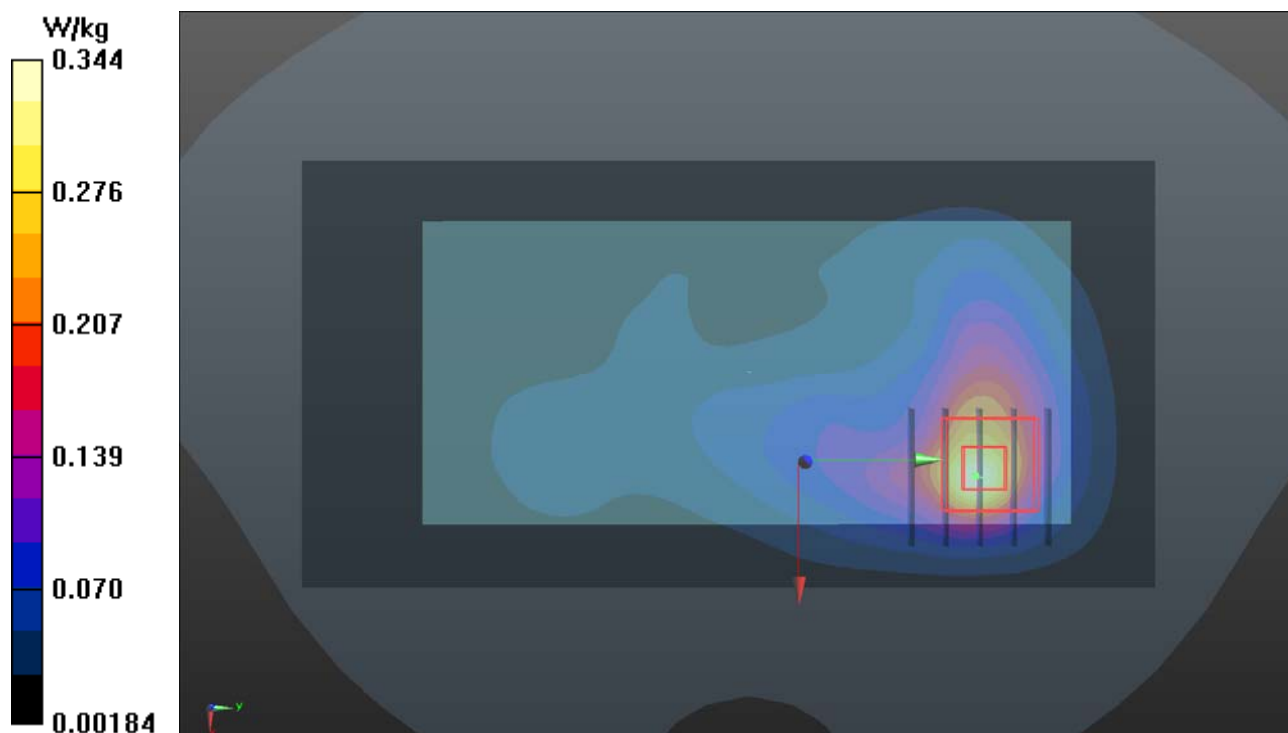
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.71 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.569 W/kg

**SAR(1 g) = 0.267 W/kg; SAR(10 g) = 0.117 W/kg**

Maximum value of SAR (measured) = 0.443 W/kg



**P37 LTE 66\_QPSK20M\_Rear Face\_10mm\_Ch132572\_1RB\_OS50\_Sample1\_Ant0****DUT: 181001C14**

Communication System: LTE; Frequency: 1770 MHz; Duty Cycle: 1:1

Medium: B16T20N1\_1129 Medium parameters used:  $f = 1770$  MHz;  $\sigma = 1.455$  S/m;  $\epsilon_r = 53.34$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.9 °C ; Liquid Temperature : 23.4 °C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN7472; ConvF(8.42, 8.42, 8.42); Calibrated: 2018/08/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2018/05/30
- Phantom: Twin SAM Phantom\_1652; Type: QD000P40;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

- **Area Scan (71x141x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.418 W/kg

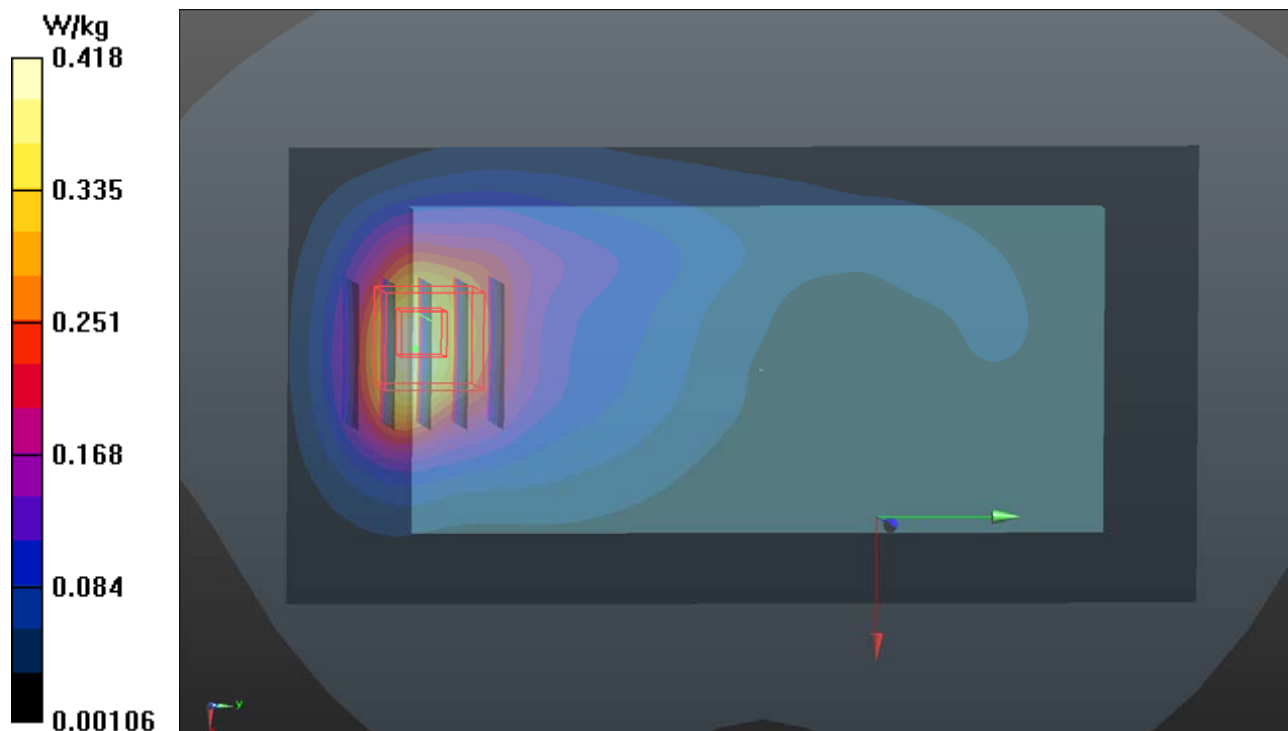
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.17 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.605 W/kg

**SAR(1 g) = 0.349 W/kg; SAR(10 g) = 0.191 W/kg**

Maximum value of SAR (measured) = 0.503 W/kg



**P38 WLAN2.4G\_802.11b\_Rear Face\_Ch1\_Sample1\_Ant0+1****DUT: 181001C14**

Communication System: WLAN\_2.4G; Frequency: 2412 MHz; Duty Cycle: 1:1.01

Medium: B19T27N1\_1116 Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.951$  S/m;  $\epsilon_r = 51.478$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3898; ConvF(7.61, 7.61, 7.61); Calibrated: 2018/06/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2018/01/18
- Phantom: Twin SAM Phantom\_1496; Type: QD000P40CA;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

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

Maximum value of SAR (interpolated) = 0.892 W/kg

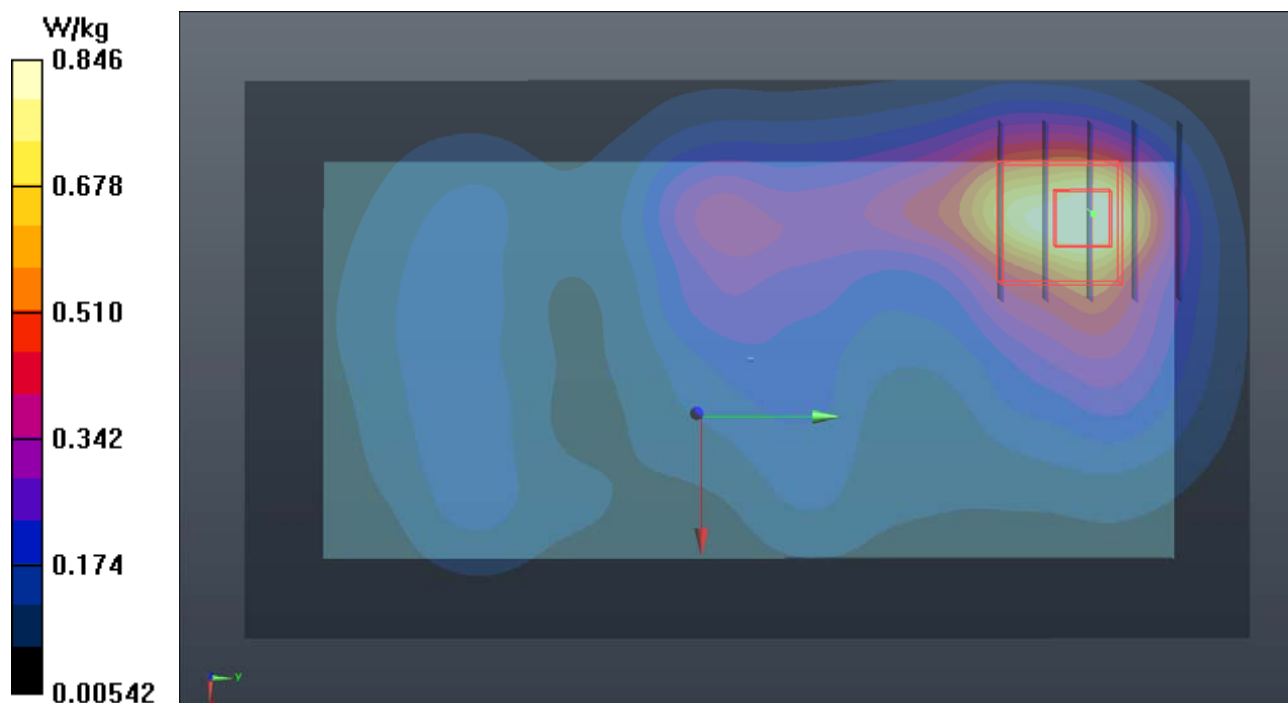
**- Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 19.77 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 1.06 W/kg

**SAR(1 g) = 0.525 W/kg; SAR(10 g) = 0.258 W/kg**

Maximum value of SAR (measured) = 0.846 W/kg



**P39 WLAN5.3G\_802.11ac VHT80\_Rear Face\_10mm\_Ch58\_Sample1\_Ant1****DUT: 181001C14**

Communication System: WLAN\_5G; Frequency: 5290 MHz; Duty Cycle: 1:1.09

Medium: B34T60N1\_1129 Medium parameters used:  $f = 5290$  MHz;  $\sigma = 5.436$  S/m;  $\epsilon_r = 46.896$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.9 °C ; Liquid Temperature : 23.4 °C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN7472; ConvF(4.9, 4.9, 4.9); Calibrated: 2018/08/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2018/05/30
- Phantom: Twin SAM Phantom\_1652; Type: QD000P40;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

**- Area Scan (101x201x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

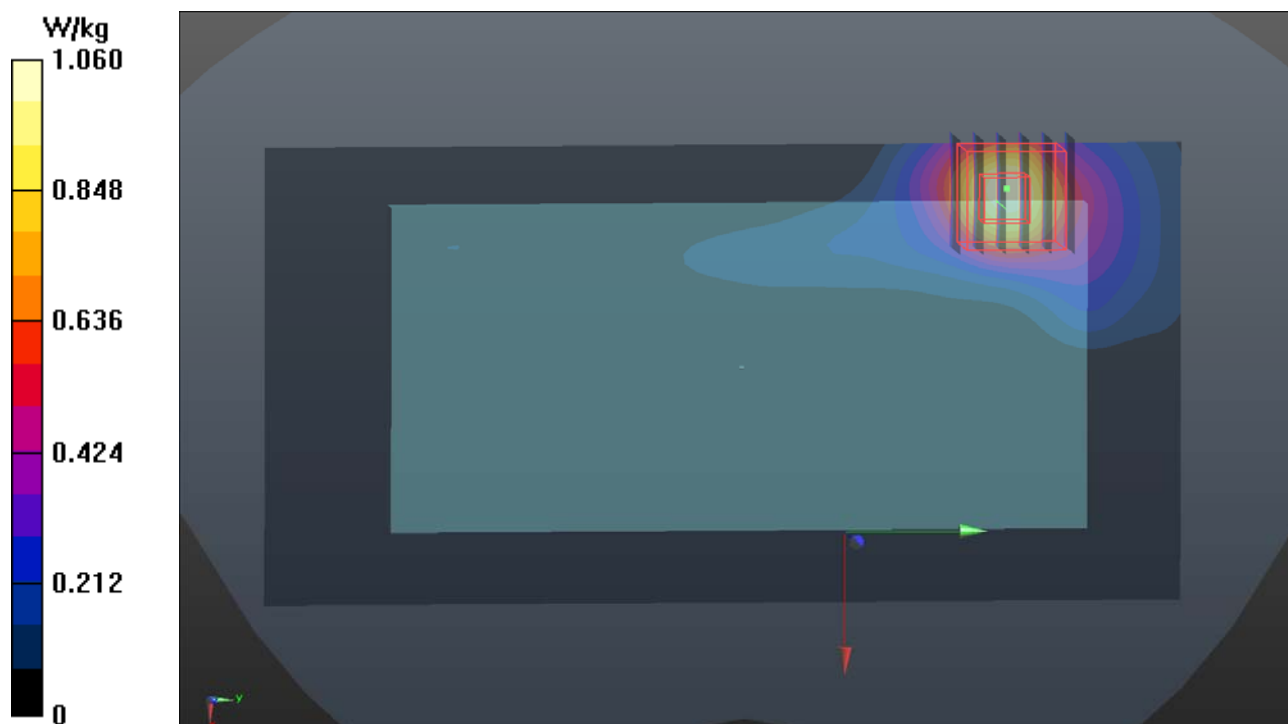
**- Zoom Scan (6x6x12)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=2mm

Reference Value = 13.84 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 2.30 W/kg

**SAR(1 g) = 0.665 W/kg; SAR(10 g) = 0.243 W/kg**

Maximum value of SAR (measured) = 1.47 W/kg



**P40 WLAN5.6G\_802.11ac VHT80\_Rear Face\_10mm\_Ch138\_Sample1\_Ant0+1****DUT: 181001C14**

Communication System: WLAN\_5G; Frequency: 5690 MHz; Duty Cycle: 1:1.1

Medium: B34T60N1\_1129 Medium parameters used:  $f = 5690$  MHz;  $\sigma = 5.942$  S/m;  $\epsilon_r = 46.161$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.9 °C ; Liquid Temperature : 23.4 °C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN7472; ConvF(4.56, 4.56, 4.56); Calibrated: 2018/08/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2018/05/30
- Phantom: Twin SAM Phantom\_1652; Type: QD000P40;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

**- Area Scan (101x201x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.954 W/kg

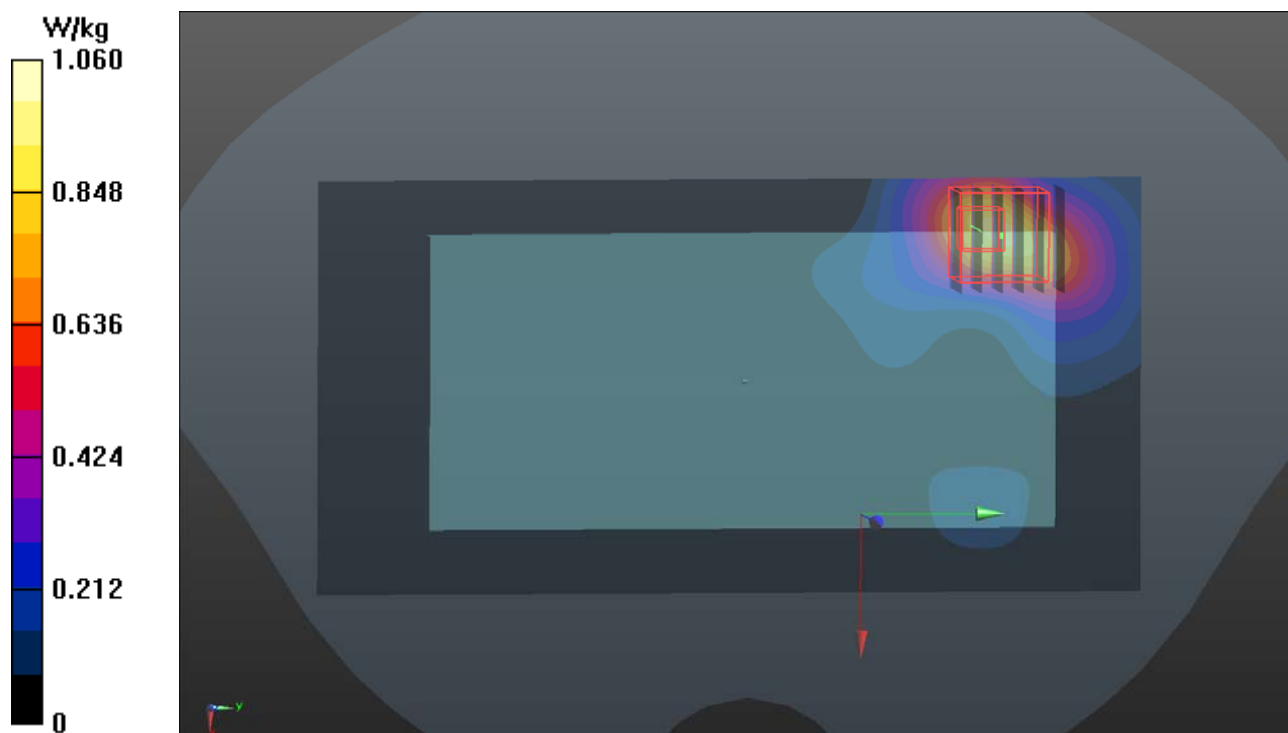
**- Zoom Scan (6x6x12)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=2mm

Reference Value = 12.41 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.75 W/kg

**SAR(1 g) = 0.470 W/kg; SAR(10 g) = 0.183 W/kg**

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



**P41 WLAN5.8G\_802.11ac VHT80\_Rear Face\_10mm\_Ch155\_Sample1\_Ant0+1****DUT: 181001C14**

Communication System: WLAN\_5G; Frequency: 5775 MHz; Duty Cycle: 1:1.1

Medium: B34T60N1\_1205 Medium parameters used:  $f = 5775$  MHz;  $\sigma = 5.956$  S/m;  $\epsilon_r = 47.528$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.8 °C ; Liquid Temperature : 23.1 °C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3971; ConvF(4.22, 4.22, 4.22); Calibrated: 2018/03/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2018/05/30
- Phantom: Twin SAM Phantom\_1823; Type: QD000P40CD;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

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

Maximum value of SAR (interpolated) = 0.950 W/kg

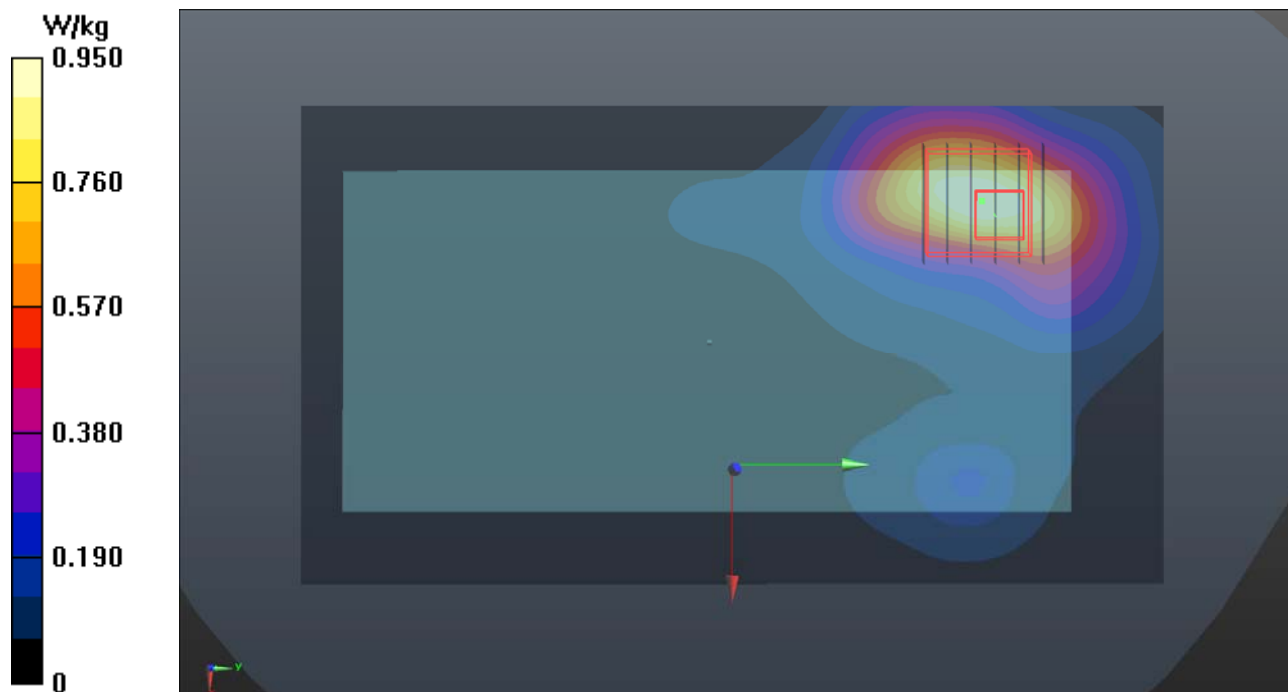
**- Zoom Scan (6x6x12)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=2mm

Reference Value = 14.05 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 1.57 W/kg

**SAR(1 g) = 0.391 W/kg; SAR(10 g) = 0.159 W/kg**

Maximum value of SAR (measured) = 0.926 W/kg



**P42 BT\_BDR\_Rear Face\_10mm\_Ch39\_Sample1\_Ant0****DUT: 181001C14**

Communication System: BT; Frequency: 2441 MHz; Duty Cycle: 1:1.3

Medium: B19T27N3\_1129 Medium parameters used:  $f = 2441$  MHz;  $\sigma = 1.957$  S/m;  $\epsilon_r = 51.458$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration:**

- Probe: EX3DV4 - SN7472; ConvF(7.84, 7.84, 7.84); Calibrated: 2018/08/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2018/05/30
- Phantom: Twin SAM Phantom\_1652; Type: QD000P40;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

- **Area Scan (91x171x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.0790 W/kg

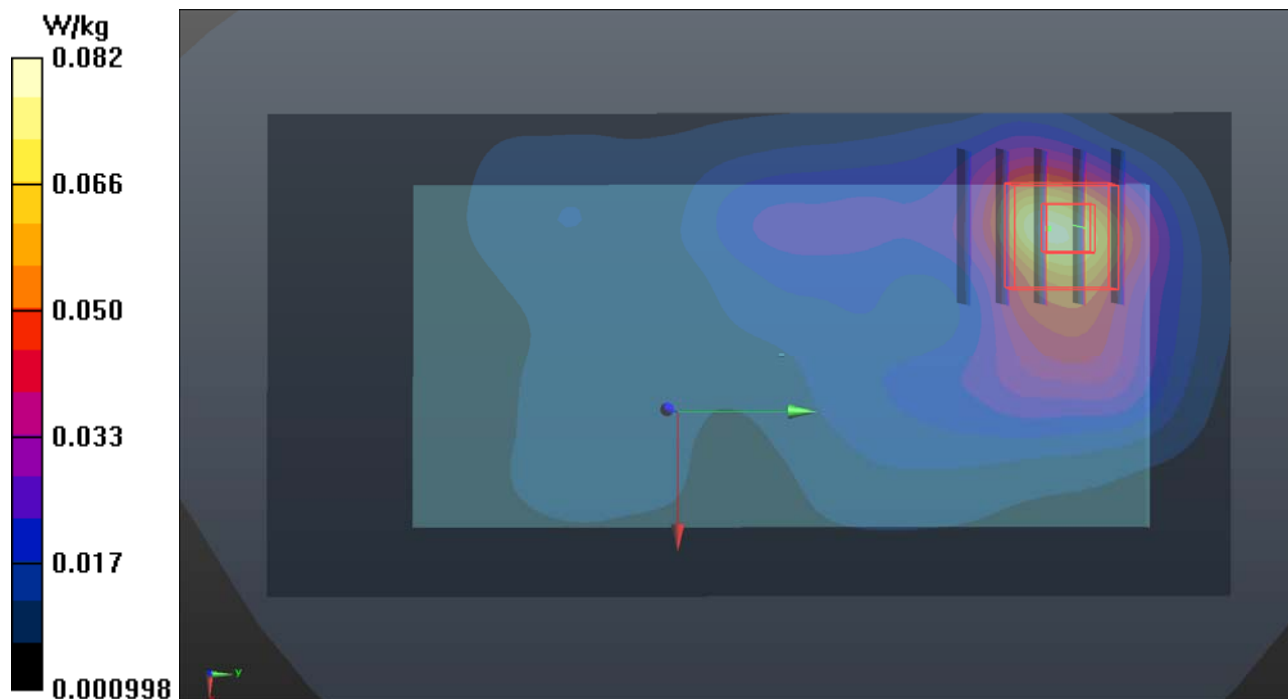
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.328 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.107 W/kg

**SAR(1 g) = 0.074 W/kg; SAR(10 g) = 0.023 W/kg**

Maximum value of SAR (measured) = 0.0822 W/kg



**P43 WLAN5.2G\_802.11ac VHT80\_Rear Face\_Ch42\_Sample1\_Ant1****DUT: 181001C14**

Communication System: WLAN\_5G; Frequency: 5210 MHz; Duty Cycle: 1:1.09

Medium: B34T60N1\_1116 Medium parameters used:  $f = 5210$  MHz;  $\sigma = 5.265$  S/m;  $\epsilon_r = 51.096$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3898; ConvF(4.95, 4.95, 4.95); Calibrated: 2018/06/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2018/01/18
- Phantom: Twin SAM Phantom\_1496; Type: QD000P40CA;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

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

Maximum value of SAR (interpolated) = 1.35 W/kg

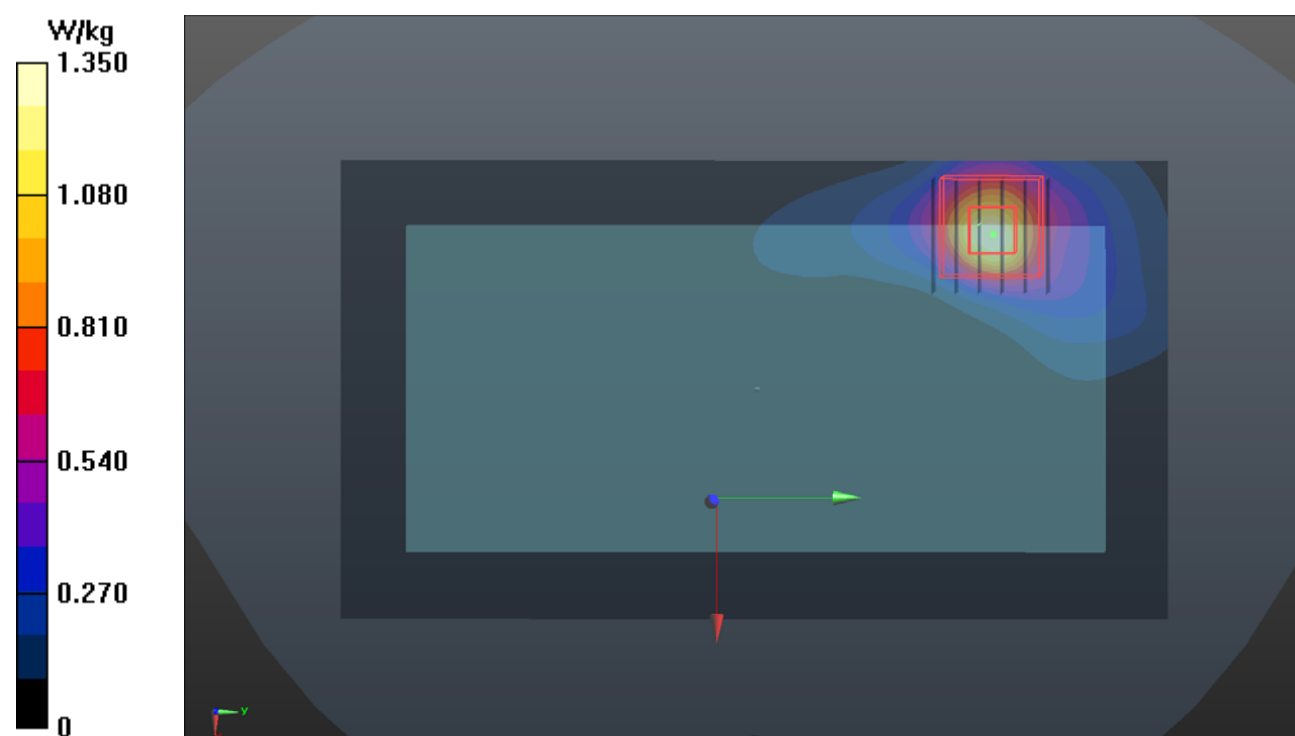
**- Zoom Scan (6x6x12)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=2mm

Reference Value = 17.72 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 2.32 W/kg

**SAR(1 g) = 0.723 W/kg; SAR(10 g) = 0.261 W/kg**

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



**P44 WLAN5.8G\_802.11ac VHT80\_Right Side\_Ch155\_Sample1\_Ant1****DUT: 181001C14**

Communication System: WLAN\_5G; Frequency: 5775 MHz; Duty Cycle: 1:1.09

Medium: B34T60N1\_1116 Medium parameters used:  $f = 5775$  MHz;  $\sigma = 6.2$  S/m;  $\epsilon_r = 49.992$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3898; ConvF(4.45, 4.45, 4.45); Calibrated: 2018/06/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2018/01/18
- Phantom: Twin SAM Phantom\_1496; Type: QD000P40CA;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

**- Area Scan (81x181x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

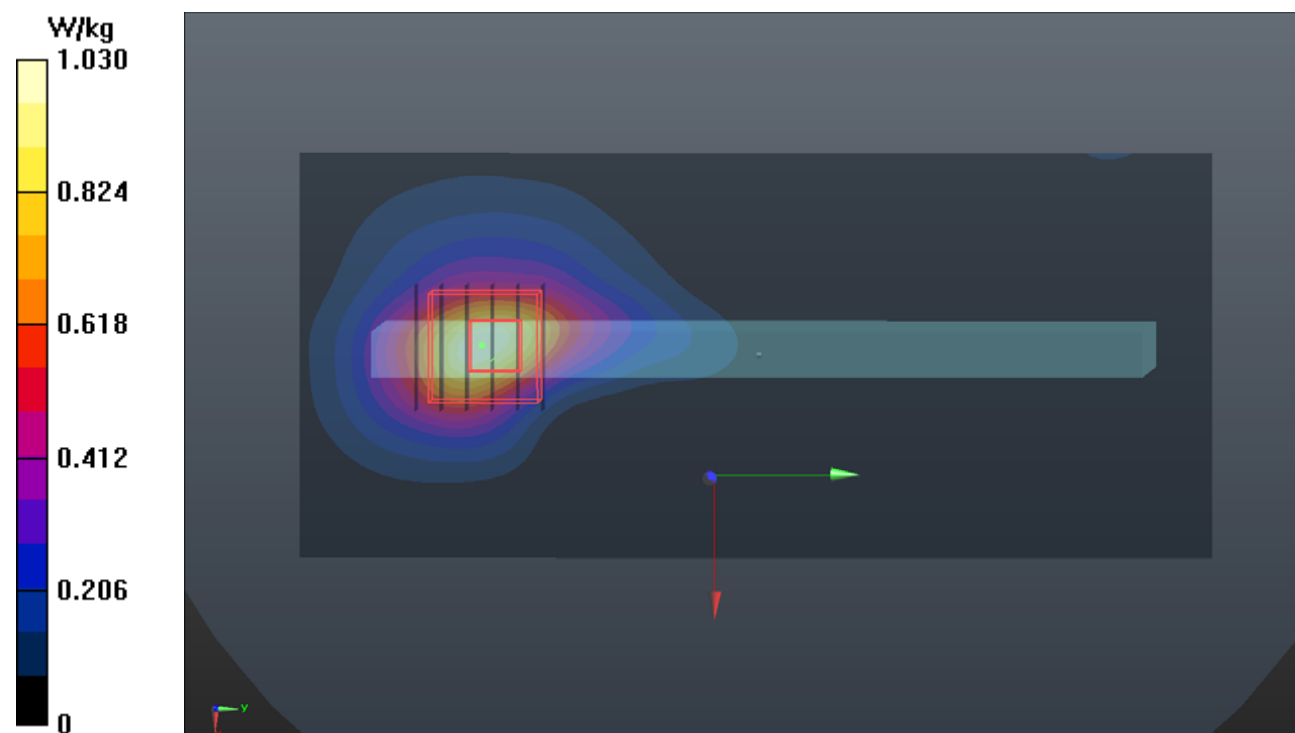
**- Zoom Scan (6x6x12)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=2mm

Reference Value = 14.36 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 1.60 W/kg

**SAR(1 g) = 0.426 W/kg; SAR(10 g) = 0.162 W/kg**

Maximum value of SAR (measured) = 0.927 W/kg



**P45 WLAN5.3G\_802.11ac VHT80\_Rear Face\_0mm\_Ch58\_Sample1\_Ant0+1****DUT: 181001C14**

Communication System: WLAN\_5G; Frequency: 5290 MHz; Duty Cycle: 1:1.1

Medium: B34T60N1\_1129 Medium parameters used:  $f = 5290$  MHz;  $\sigma = 5.436$  S/m;  $\epsilon_r = 46.896$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.9 °C ; Liquid Temperature : 23.4 °C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN7472; ConvF(4.9, 4.9, 4.9); Calibrated: 2018/08/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2018/05/30
- Phantom: Twin SAM Phantom\_1652; Type: QD000P40;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

- **Area Scan (101x201x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 8.65 W/kg

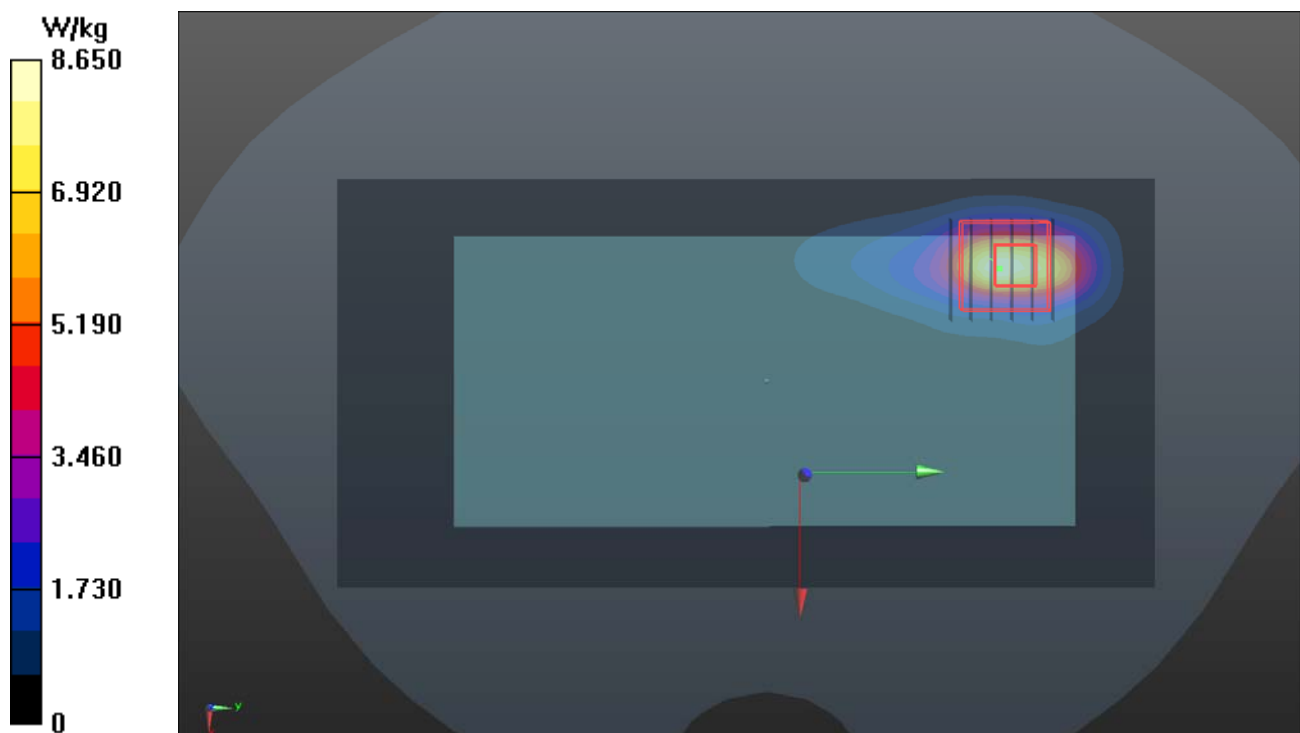
- **Zoom Scan (6x6x12)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=2mm

Reference Value = 44.70 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 14.9 W/kg

**SAR(1 g) = 4.31 W/kg; SAR(10 g) = 1.46 W/kg**

Maximum value of SAR (measured) = 8.54 W/kg



**P46 WLAN5.6G\_802.11ac VHT80\_Rear Face\_0mm\_Ch138\_Sample1\_Ant0+1****DUT: 181001C14**

Communication System: WLAN\_5G; Frequency: 5690 MHz; Duty Cycle: 1:1.1

Medium: B34T60N1\_1129 Medium parameters used:  $f = 5690$  MHz;  $\sigma = 5.942$  S/m;  $\epsilon_r = 46.161$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.9 °C ; Liquid Temperature : 23.4 °C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN7472; ConvF(4.56, 4.56, 4.56); Calibrated: 2018/08/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2018/05/30
- Phantom: Twin SAM Phantom\_1652; Type: QD000P40;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

**- Area Scan (101x201x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 9.34 W/kg

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

Reference Value = 41.03 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 22.9 W/kg

**SAR(1 g) = 4.88 W/kg; SAR(10 g) = 1.35 W/kg**

Maximum value of SAR (measured) = 12.3 W/kg

