

## 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\_Ch128\_Sample1\_Ant1

**DUT: 181001C20**

Communication System: GPRS12; Frequency: 824.2 MHz; Duty Cycle: 1:2

Medium: H07T10N1\_1109 Medium parameters used:  $f = 824.2$  MHz;  $\sigma = 0.909$  S/m;  $\epsilon_r = 41.877$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3898; ConvF(10.07, 10.07, 10.07); 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 (71x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.22 W/kg

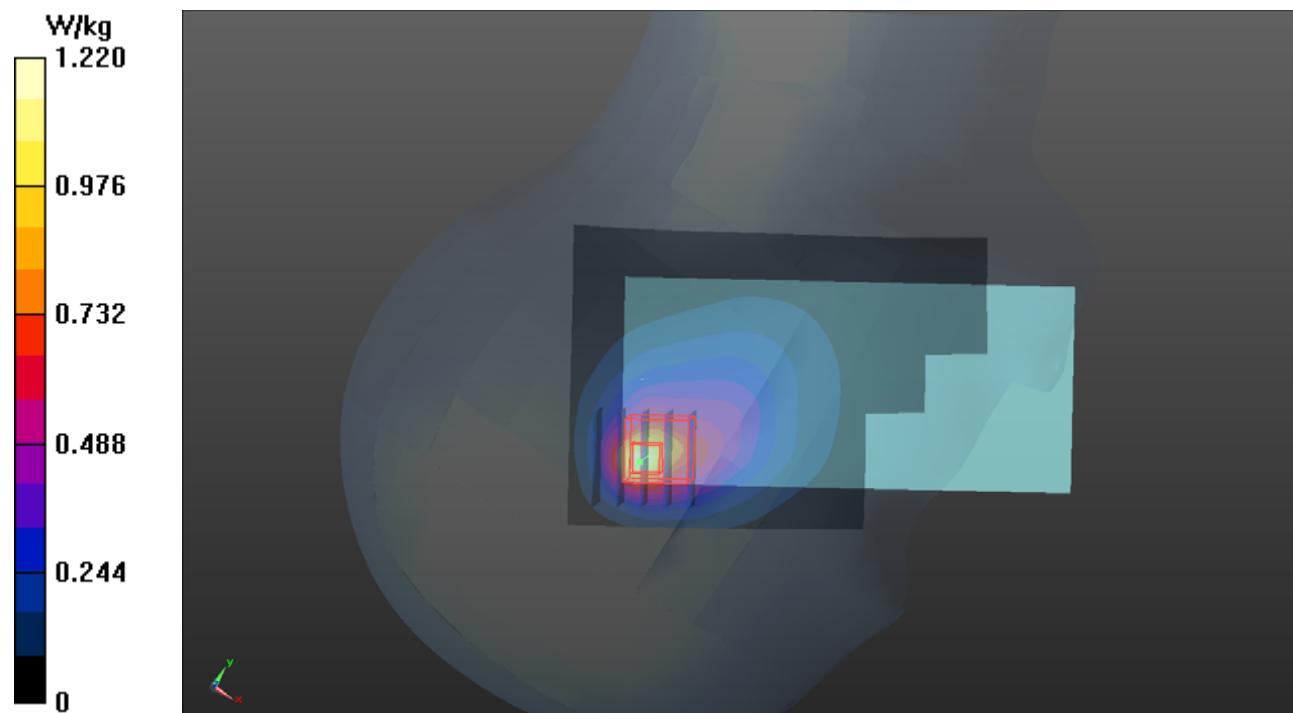
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 34.74 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 1.10 W/kg

**SAR(1 g) = 0.554 W/kg; SAR(10 g) = 0.339 W/kg**

Maximum value of SAR (measured) = 0.852 W/kg



## P02 GSM1900\_GPRS12\_Right Cheek\_Ch810\_Sample1\_Ant1

**DUT: 181001C20**

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

Medium: H16T20N1\_1109 Medium parameters used:  $f = 1910$  MHz;  $\sigma = 1.466$  S/m;  $\epsilon_r = 39.056$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.7 °C ; Liquid Temperature : 23.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(8.28, 8.28, 8.28); 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) = 0.831 W/kg

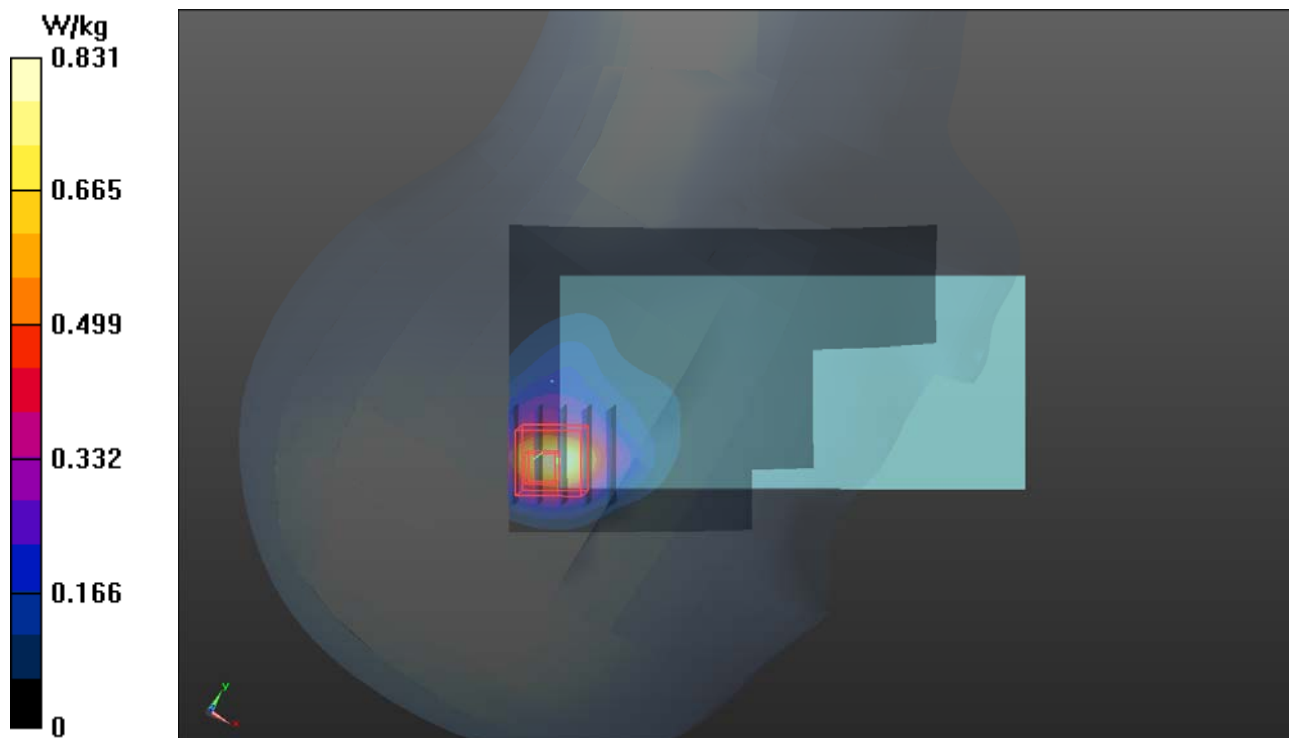
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 23.99 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.06 W/kg

**SAR(1 g) = 0.458 W/kg; SAR(10 g) = 0.222 W/kg**

Maximum value of SAR (measured) = 0.783 W/kg



### P03 WCDMA II\_RMC12.2K\_Right Cheek\_Ch9538\_Sample1\_Ant1

**DUT: 181001C20**

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

Medium: H16T20N1\_1119 Medium parameters used:  $f = 1908$  MHz;  $\sigma = 1.466$  S/m;  $\epsilon_r = 40.597$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(8.28, 8.28, 8.28); 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) = 1.76 W/kg

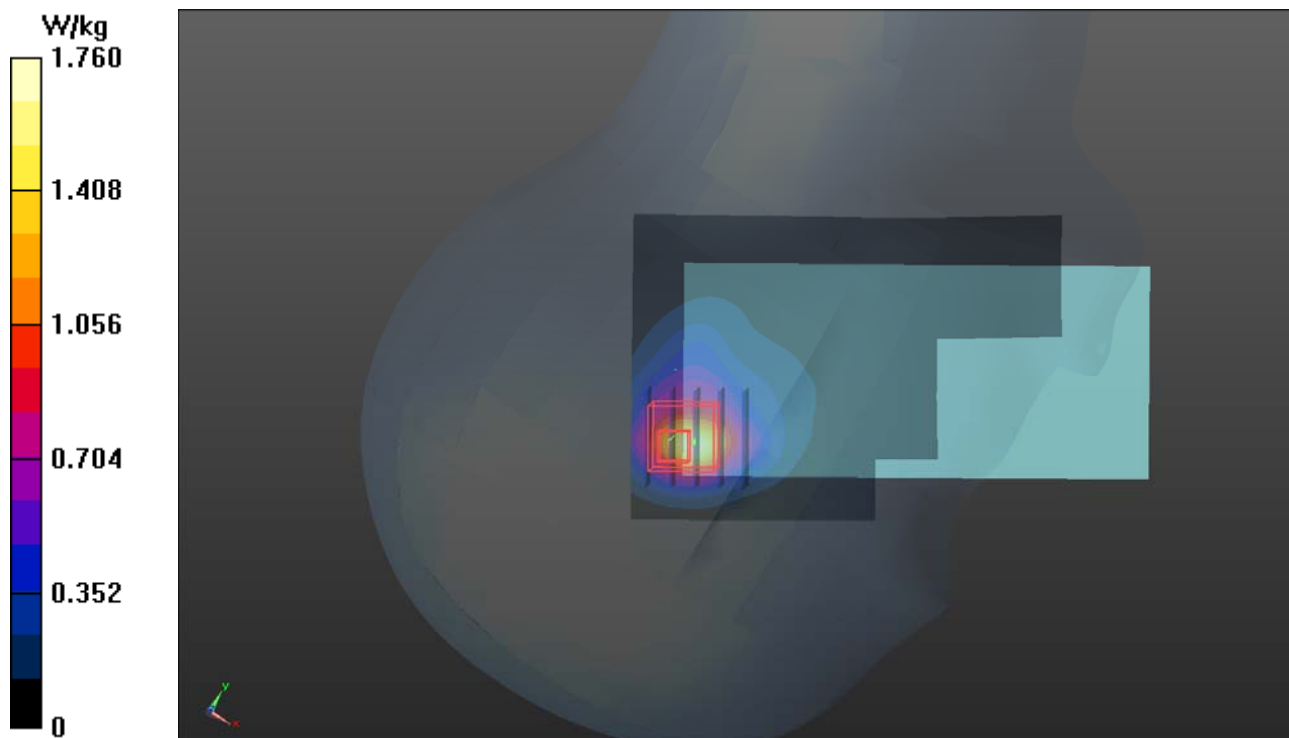
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 33.56 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 2.13 W/kg

**SAR(1 g) = 0.919 W/kg; SAR(10 g) = 0.453 W/kg**

Maximum value of SAR (measured) = 1.61 W/kg



## P04 WCDMA IV\_RMC12.2K\_Right Tilted\_Ch1513\_Sample1\_Ant1

**DUT: 181001C20**

Communication System: WCDMA; Frequency: 1752.6 MHz; Duty Cycle: 1:1

Medium: H16T20N1\_1109 Medium parameters used:  $f = 1753$  MHz;  $\sigma = 1.323$  S/m;  $\epsilon_r = 39.64$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.7 °C ; Liquid Temperature : 23.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(8.6, 8.6, 8.6); 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 (71x141x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.592 W/kg

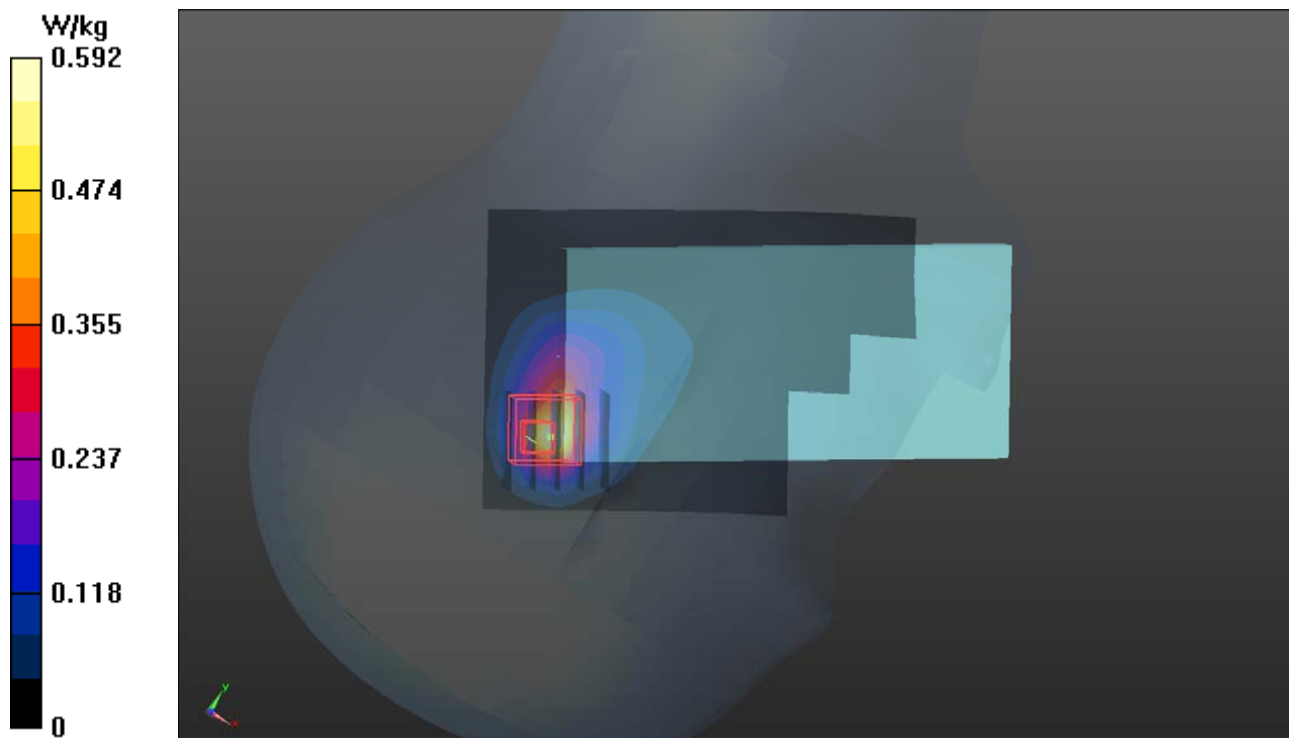
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.29 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 0.594 W/kg

**SAR(1 g) = 0.273 W/kg; SAR(10 g) = 0.134 W/kg**

Maximum value of SAR (measured) = 0.447 W/kg



### P05 WCDMA V\_RMC12.2K\_Right Cheek\_Ch4132\_Sample1\_Ant1

**DUT: 181001C20**

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

Medium: H07T10N1\_1109 Medium parameters used:  $f = 826.4$  MHz;  $\sigma = 0.911$  S/m;  $\epsilon_r = 41.853$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3898; ConvF(10.07, 10.07, 10.07); 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 (71x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

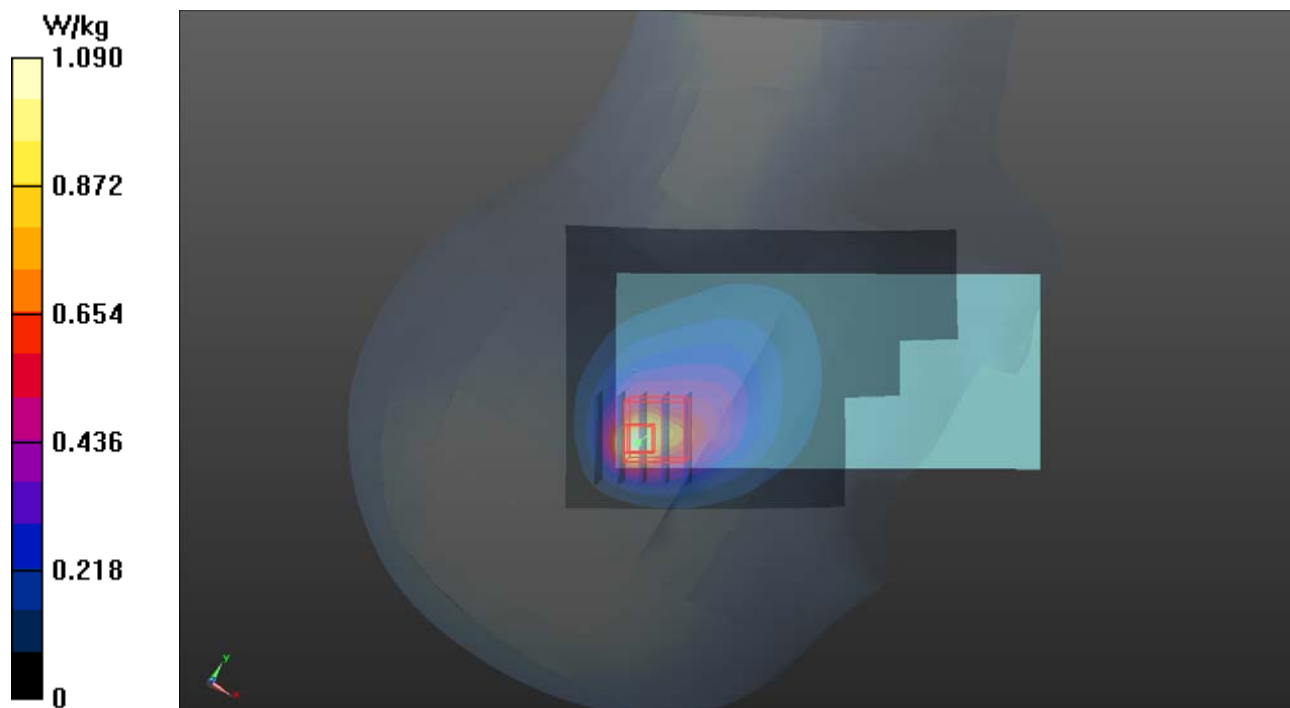
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 31.18 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 1.05 W/kg

**SAR(1 g) = 0.501 W/kg; SAR(10 g) = 0.311 W/kg**

Maximum value of SAR (measured) = 0.732 W/kg



### P06 CDMA BC0\_RC3+SO55\_Right Cheek\_Ch1013\_Sample1\_Ant1

**DUT: 181001C20**

Communication System: CDMA2000 RC3; Frequency: 824.7 MHz; Duty Cycle: 1:1

Medium: H07T10N1\_1109 Medium parameters used:  $f = 825$  MHz;  $\sigma = 0.91$  S/m;  $\epsilon_r = 41.868$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3898; ConvF(10.07, 10.07, 10.07); 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 (71x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

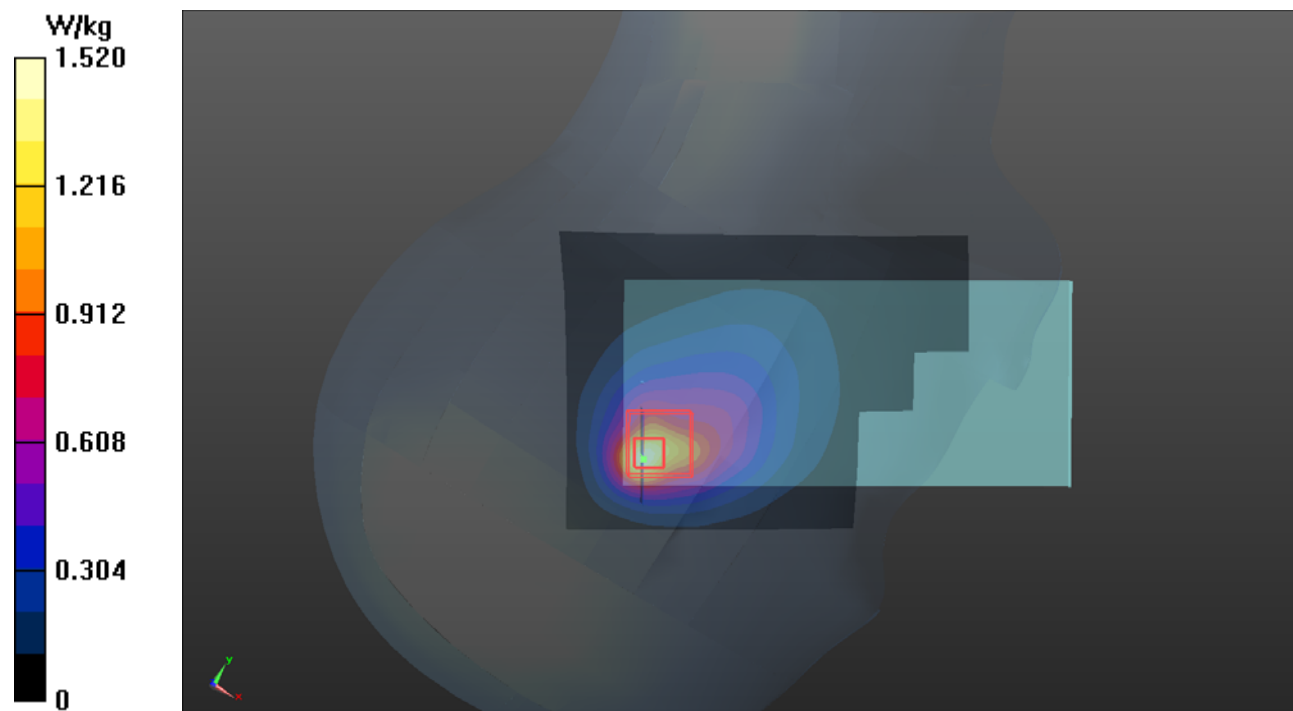
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 35.33 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 1.45 W/kg

**SAR(1 g) = 0.712 W/kg; SAR(10 g) = 0.439 W/kg**

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



### P07 CDMA BC1\_RC3+SO55\_Right Cheek\_Ch600\_Sample1\_Ant1

**DUT: 181001C20**

Communication System: CDMA2000 RC3; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: H16T20N1\_1119 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.446$  S/m;  $\epsilon_r = 40.628$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(8.28, 8.28, 8.28); 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) = 1.99 W/kg

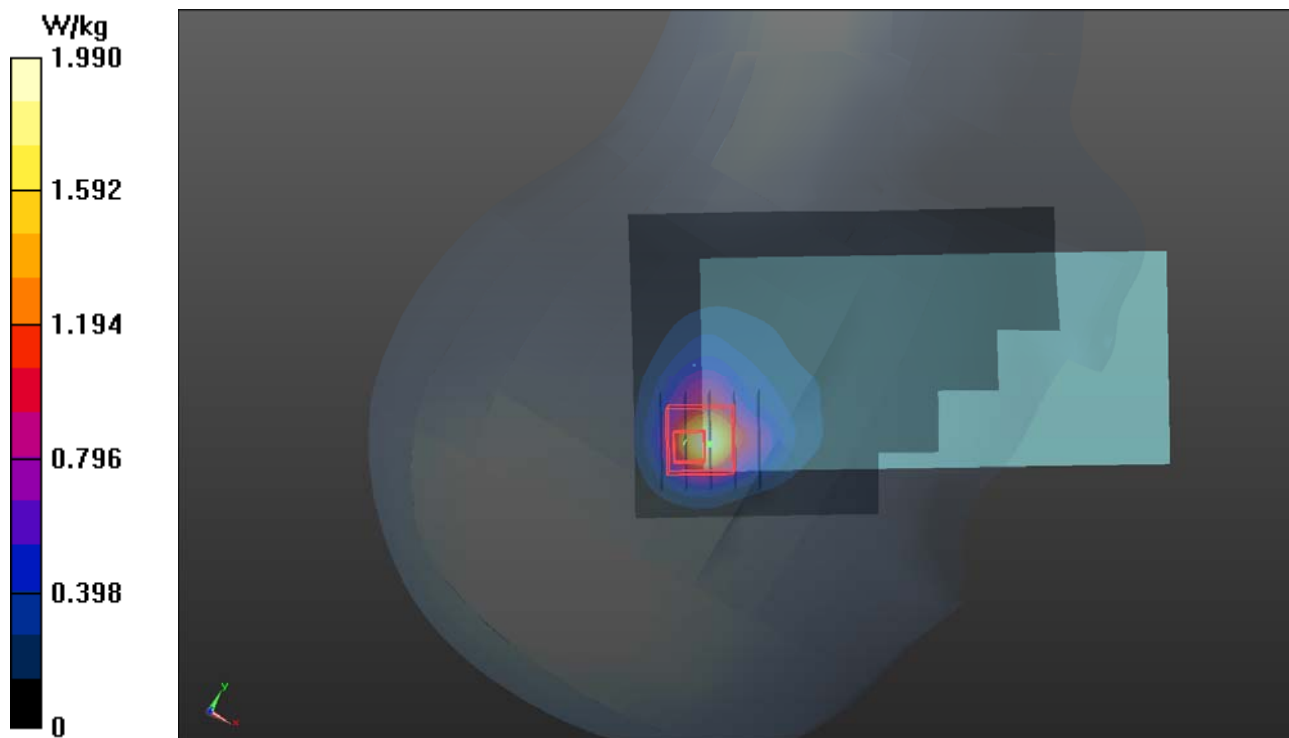
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 32.90 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 2.10 W/kg

**SAR(1 g) = 0.894 W/kg; SAR(10 g) = 0.437 W/kg**

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





## P08 CDMA BC10\_RC3+SO55\_Left Cheek\_Ch684\_Sample1\_Ant1

**DUT: 181001C20**

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

Medium: H07T10N1\_1109 Medium parameters used:  $f = 823.1$  MHz;  $\sigma = 0.908$  S/m;  $\epsilon_r = 41.891$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3898; ConvF(10.07, 10.07, 10.07); 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 (71x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.451 W/kg

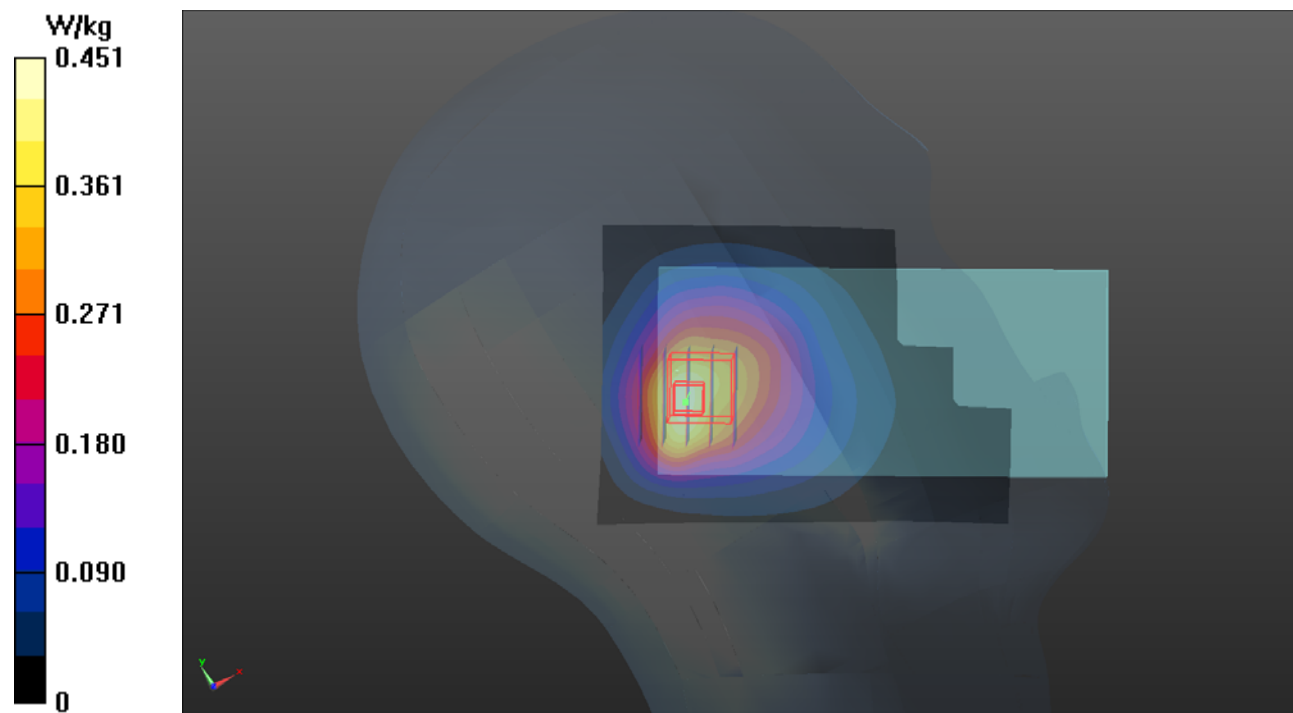
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 20.42 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.437 W/kg

**SAR(1 g) = 0.303 W/kg; SAR(10 g) = 0.212 W/kg**

Maximum value of SAR (measured) = 0.381 W/kg



### P09 LTE 5\_QPSK10M\_Right Cheek\_Ch20600\_1RB\_OS0\_Sample1\_Ant1

**DUT: 181001C20**

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

Medium: H07T10N1\_1108 Medium parameters used:  $f = 844$  MHz;  $\sigma = 0.927$  S/m;  $\epsilon_r = 41.639$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3898; ConvF(10.07, 10.07, 10.07); 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 (71x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.18 W/kg

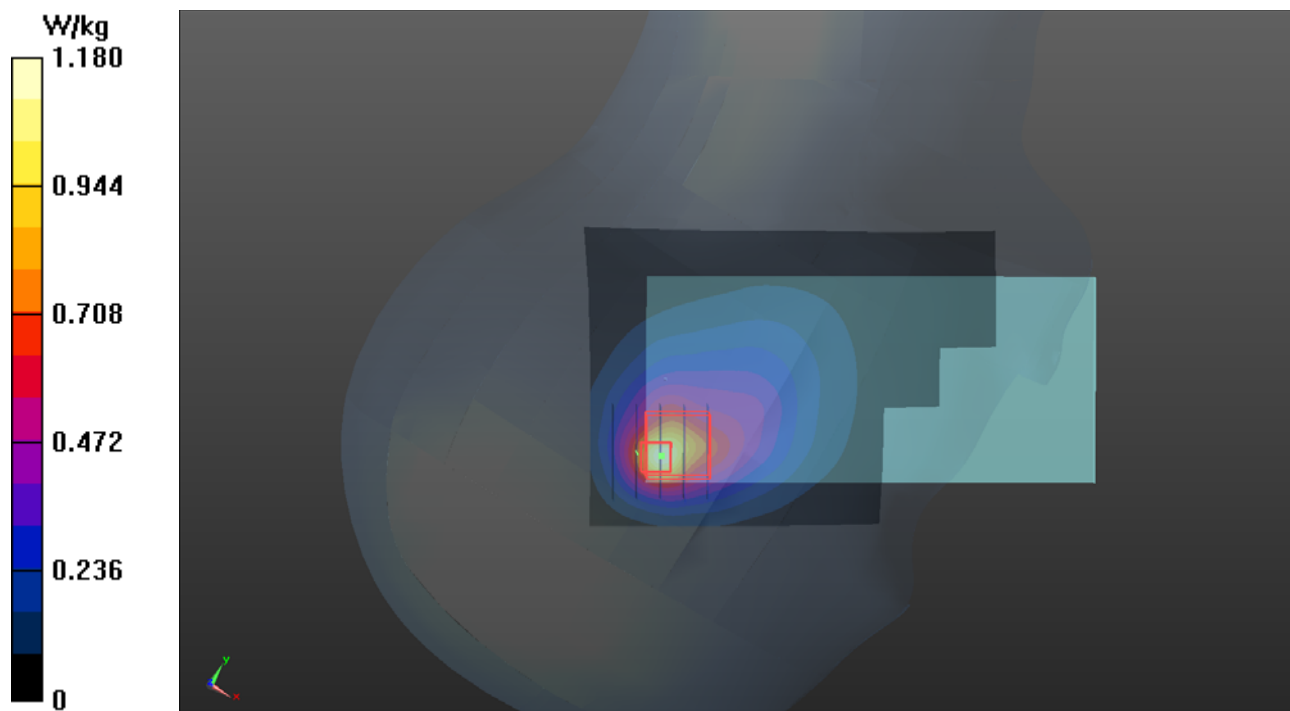
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 33.32 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 1.21 W/kg

**SAR(1 g) = 0.575 W/kg; SAR(10 g) = 0.351 W/kg**

Maximum value of SAR (measured) = 0.862 W/kg



### P10 LTE 7\_QPSK20M\_Right Cheek\_Ch20850\_1RB\_OS0\_Sample1\_Ant3

**DUT: 181001C20**

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

Medium: H19T27N1\_1106 Medium parameters used:  $f = 2510$  MHz;  $\sigma = 1.944$  S/m;  $\epsilon_r = 37.888$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.9 °C ; Liquid Temperature : 23.4 °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) = 1.28 W/kg

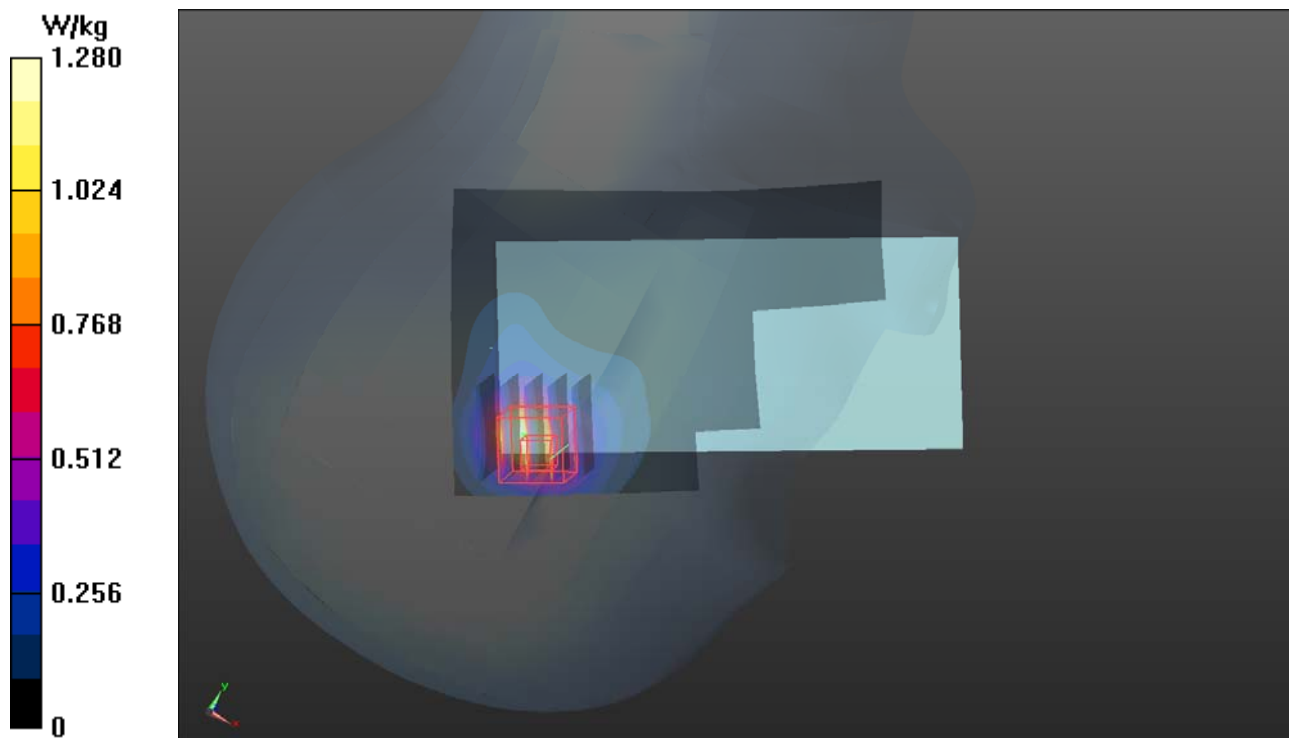
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 25.71 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 2.45 W/kg

**SAR(1 g) = 1.01 W/kg; SAR(10 g) = 0.448 W/kg**

Maximum value of SAR (measured) = 1.82 W/kg



### P11 LTE 12\_QPSK10M\_Right Cheek\_Ch23130\_1RB\_OS0\_Sample1\_Ant1

**DUT: 181001C20**

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

Medium: H06T09N1\_1109 Medium parameters used:  $f = 711 \text{ MHz}$ ;  $\sigma = 0.854 \text{ S/m}$ ;  $\epsilon_r = 43.865$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 23.7 °C ; Liquid Temperature : 23.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(10.34, 10.34, 10.34); 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 (71x141x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 1.21 W/kg

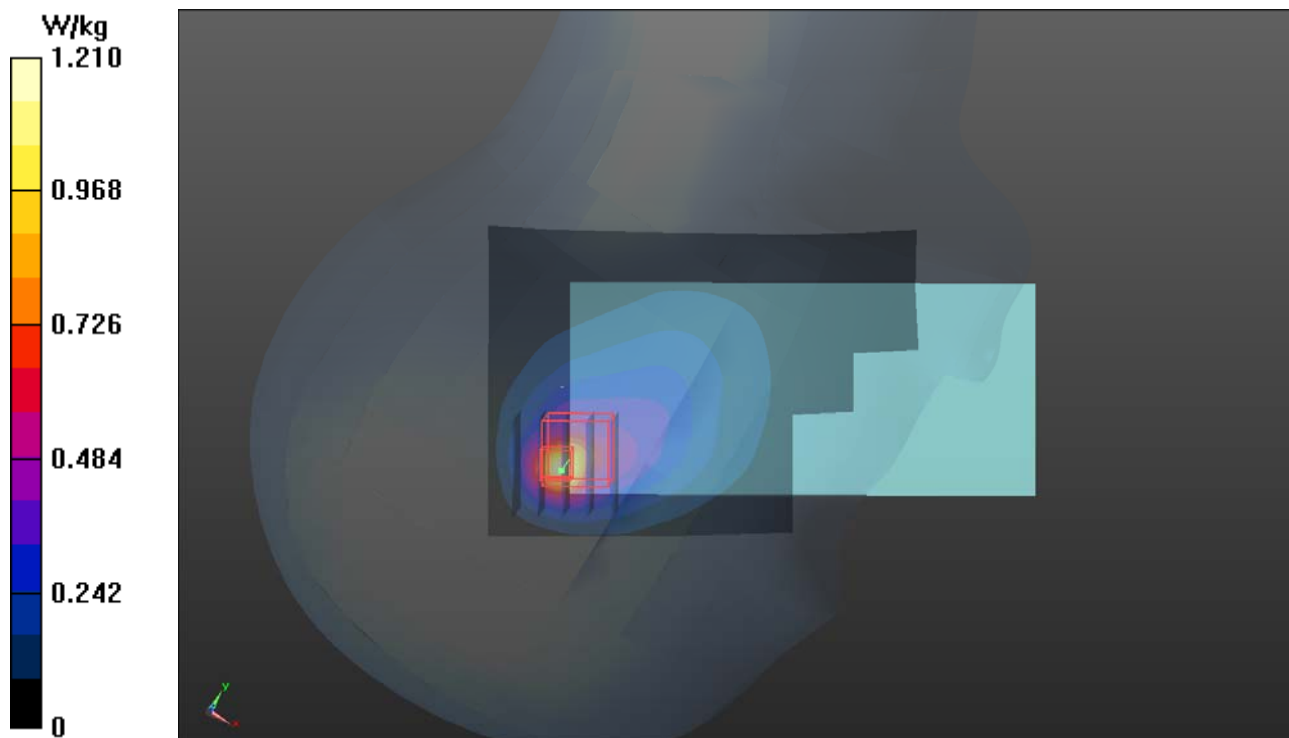
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 33.87 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 1.28 W/kg

**SAR(1 g) = 0.485 W/kg; SAR(10 g) = 0.262 W/kg**

Maximum value of SAR (measured) = 0.856 W/kg



## P12 LTE 13\_QPSK10M\_Right Cheek\_Ch23230\_1RB\_OS0\_Sample1\_Ant1

**DUT: 181001C20**

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

Medium: H06T09N1\_1109 Medium parameters used:  $f = 782 \text{ MHz}$ ;  $\sigma = 0.92 \text{ S/m}$ ;  $\epsilon_r = 42.924$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature :  $23.7 \text{ }^\circ\text{C}$  ; Liquid Temperature :  $23.2 \text{ }^\circ\text{C}$

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(10.34, 10.34, 10.34); 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 (71x141x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) =  $1.07 \text{ W/kg}$

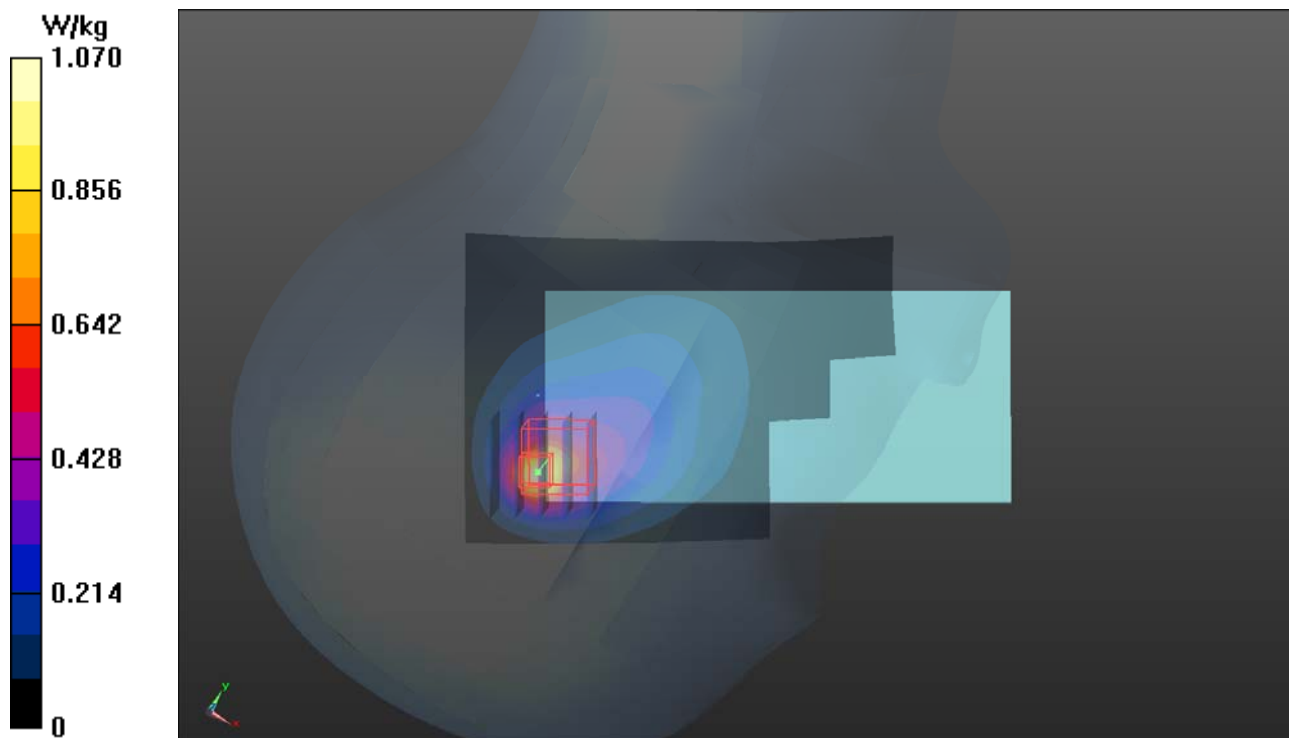
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value =  $30.46 \text{ V/m}$ ; Power Drift =  $0.09 \text{ dB}$

Peak SAR (extrapolated) =  $1.07 \text{ W/kg}$

**SAR(1 g) =  $0.442 \text{ W/kg}$ ; SAR(10 g) =  $0.250 \text{ W/kg}$**

Maximum value of SAR (measured) =  $0.709 \text{ W/kg}$



### P13 LTE 14\_QPSK10M\_Right Cheek\_Ch23330\_1RB\_OS0\_Sample1\_Ant1

**DUT: 181001C20**

Communication System: LTE; Frequency: 793 MHz; Duty Cycle: 1:1

Medium: H06T09N1\_1109 Medium parameters used:  $f = 793 \text{ MHz}$ ;  $\sigma = 0.931 \text{ S/m}$ ;  $\epsilon_r = 42.791$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 23.7 °C ; Liquid Temperature : 23.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(10.34, 10.34, 10.34); 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 (71x141x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

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

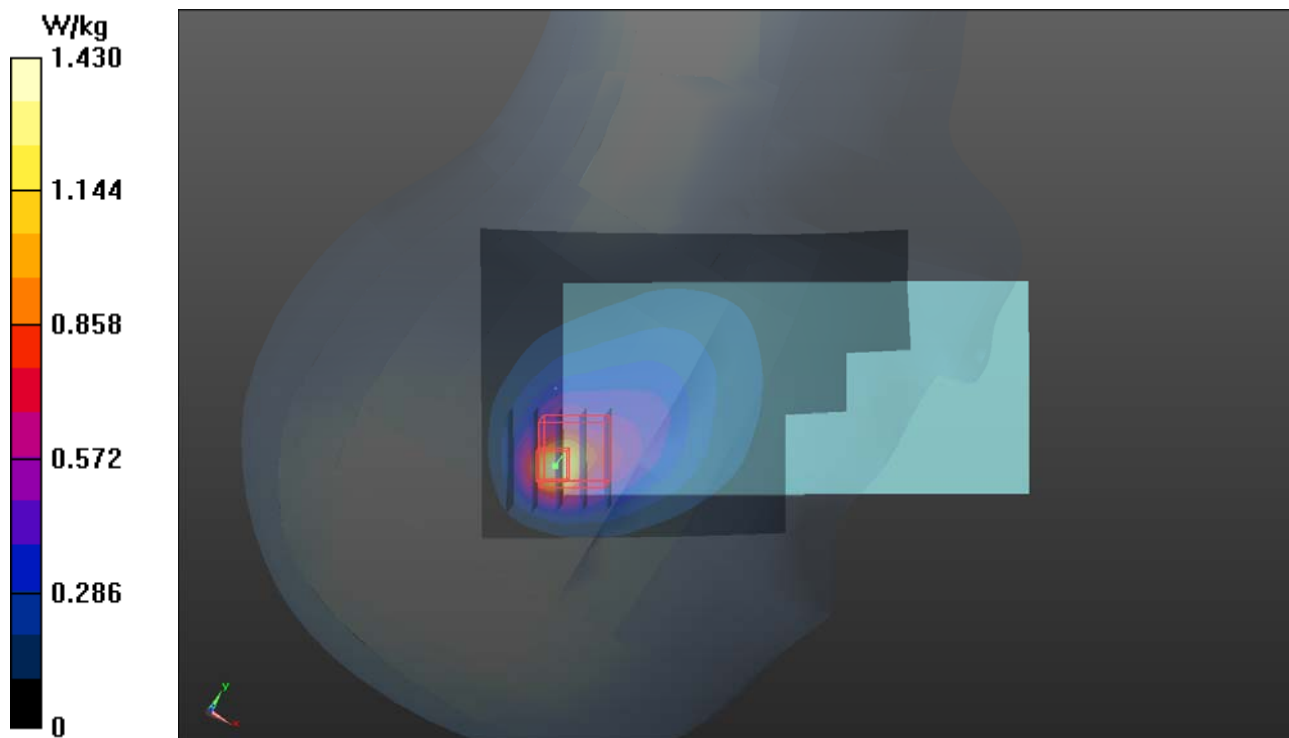
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 34.66 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 1.41 W/kg

**SAR(1 g) = 0.591 W/kg; SAR(10 g) = 0.335 W/kg**

Maximum value of SAR (measured) = 0.952 W/kg



### P14 LTE 25\_QPSK20M\_Right Cheek\_Ch26140\_1RB\_OS0\_Sample1\_Ant1

**DUT: 181001C20**

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

Medium: H16T20N1\_1119 Medium parameters used:  $f = 1860$  MHz;  $\sigma = 1.431$  S/m;  $\epsilon_r = 40.632$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(8.28, 8.28, 8.28); 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) = 1.97 W/kg

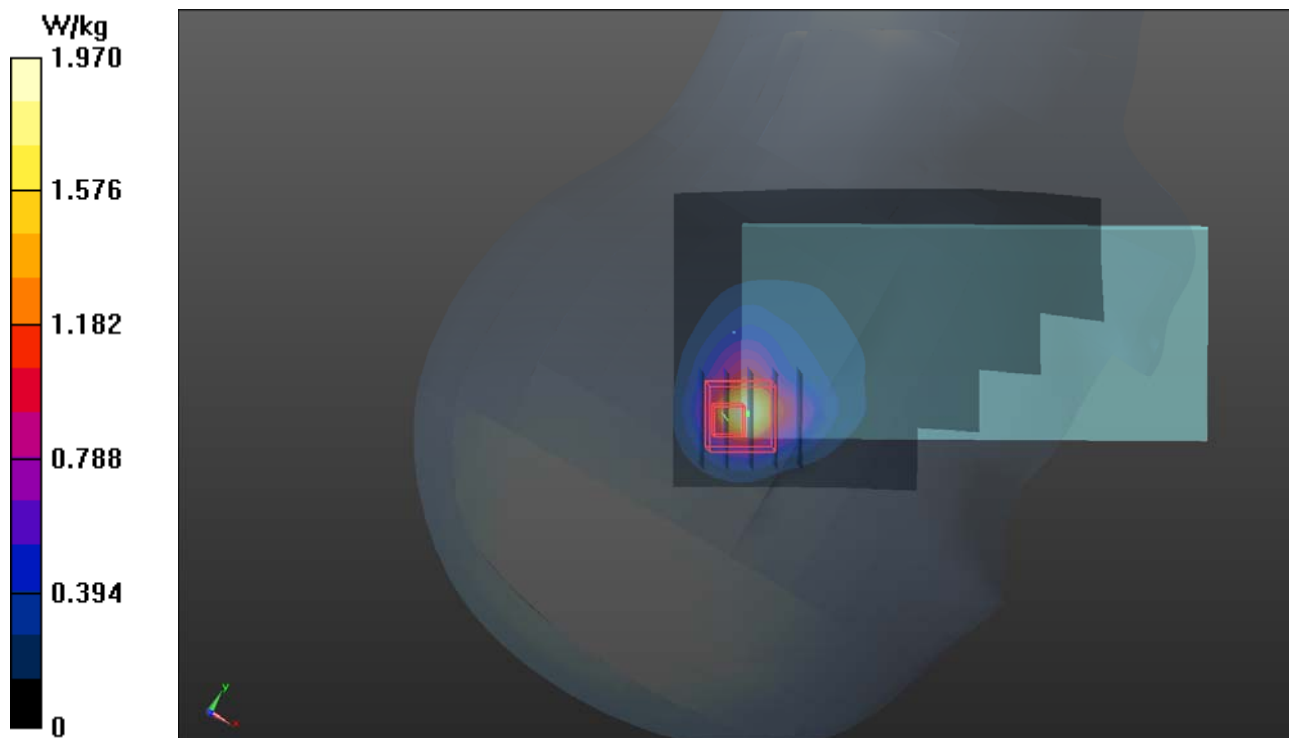
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 33.18 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 1.98 W/kg

**SAR(1 g) = 0.878 W/kg; SAR(10 g) = 0.438 W/kg**

Maximum value of SAR (measured) = 1.57 W/kg



### P15 LTE 26\_QPSK15M\_Right Cheek\_Ch26865\_1RB\_OS0\_Sample1\_Ant1

**DUT: 181001C20**

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

Medium: H07T10N1\_1109 Medium parameters used:  $f = 831.5 \text{ MHz}$ ;  $\sigma = 0.916 \text{ S/m}$ ;  $\epsilon_r = 41.793$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature :  $23.6 \text{ }^\circ\text{C}$  ; Liquid Temperature :  $23.3 \text{ }^\circ\text{C}$

DASY5 Configuration:

- Probe: EX3DV4 - SN3898; ConvF(10.07, 10.07, 10.07); 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 (71x121x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) =  $1.22 \text{ W/kg}$

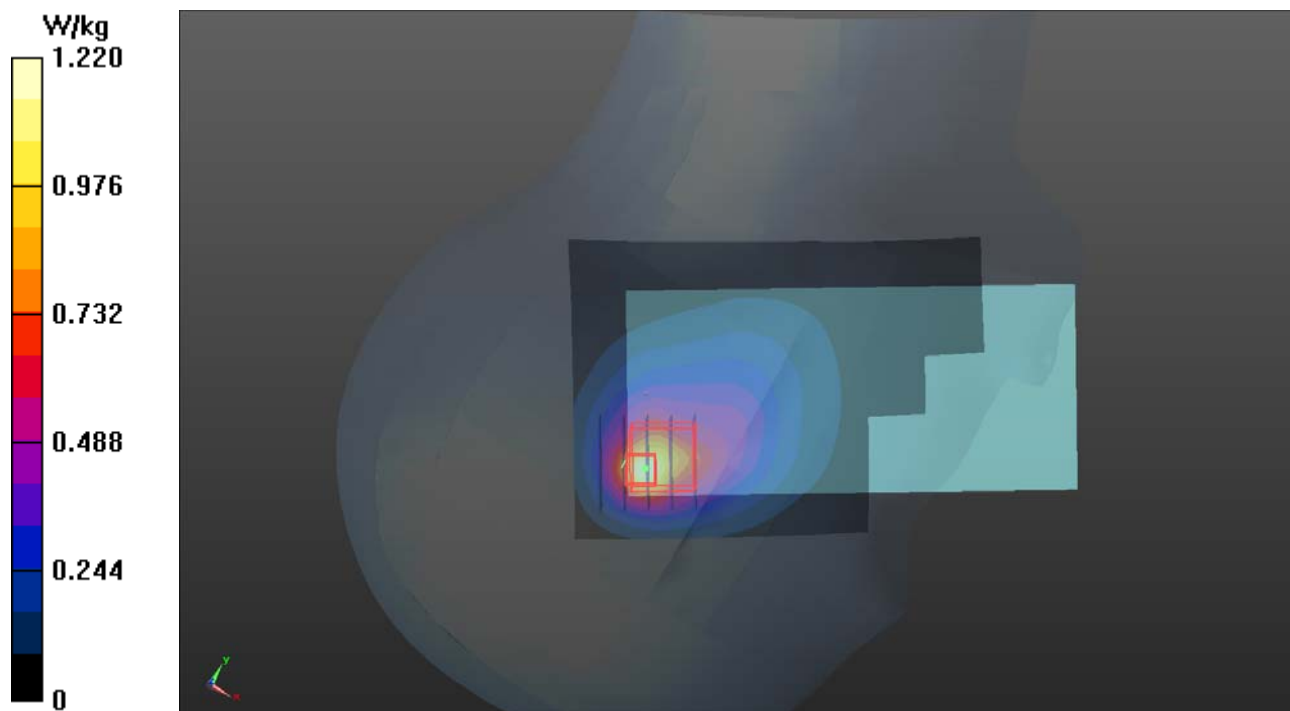
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value =  $34.81 \text{ V/m}$ ; Power Drift =  $0.08 \text{ dB}$

Peak SAR (extrapolated) =  $1.27 \text{ W/kg}$

**SAR(1 g) =  $0.599 \text{ W/kg}$ ; SAR(10 g) =  $0.365 \text{ W/kg}$**

Maximum value of SAR (measured) =  $0.897 \text{ W/kg}$





### P16 LTE 30\_QPSK10M\_Right Cheek\_Ch27710\_1RB\_OS0\_Sample1\_Ant3

**DUT: 181001C20**

Communication System: LTE; Frequency: 2310 MHz; Duty Cycle: 1:1

Medium: H19T27N1\_1109 Medium parameters used:  $f = 2310$  MHz;  $\sigma = 1.734$  S/m;  $\epsilon_r = 38.896$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.7 °C ; Liquid Temperature : 23.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(8.03, 8.03, 8.03); 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 (91x171x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

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

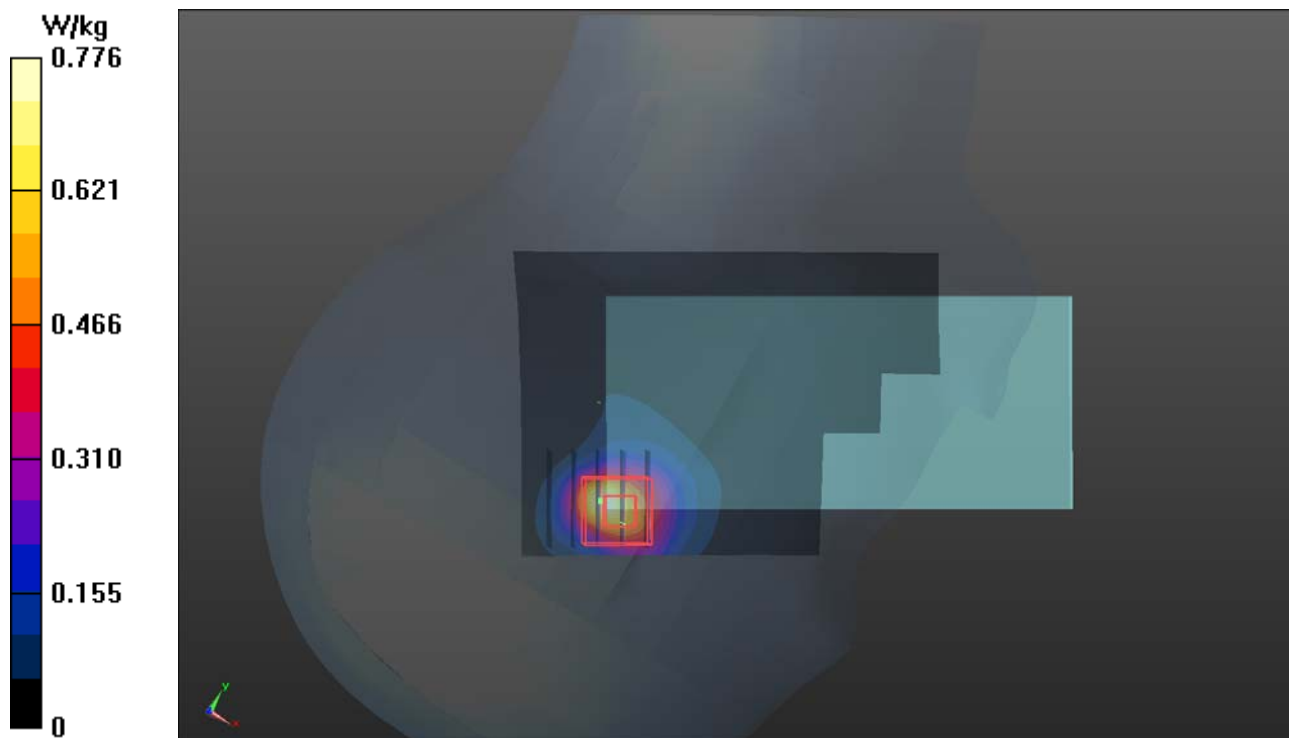
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.63 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 1.34 W/kg

**SAR(1 g) = 0.650 W/kg; SAR(10 g) = 0.296 W/kg**

Maximum value of SAR (measured) = 0.969 W/kg



### P17 LTE 38\_QPSK20M\_Right Cheek\_Ch38000\_1RB\_OS0\_Sample1\_Ant3

**DUT: 181001C20**

Communication System: LTE TDD CF0; Frequency: 2595 MHz; Duty Cycle: 1:1.58

Medium: H19T27N1\_1109 Medium parameters used:  $f = 2595$  MHz;  $\sigma = 2.033$  S/m;  $\epsilon_r = 37.854$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.7 °C ; Liquid Temperature : 23.2 °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 (91x171x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 1.01 W/kg

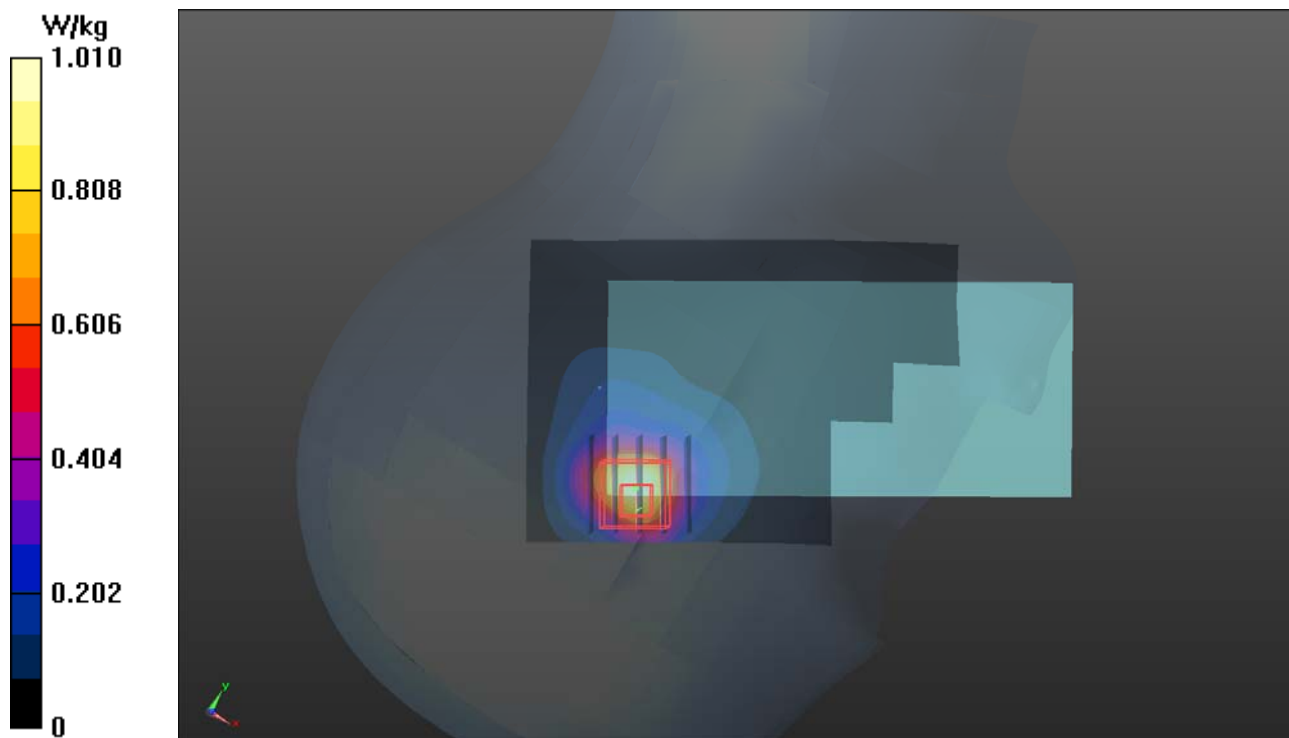
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 25.25 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 1.98 W/kg

**SAR(1 g) = 0.865 W/kg; SAR(10 g) = 0.387 W/kg**

Maximum value of SAR (measured) = 1.39 W/kg



### P18 LTE 41\_QPSK20M\_Right Cheek\_Ch41055\_1RB\_OS0\_Sample1\_Ant3

**DUT: 181001C20**

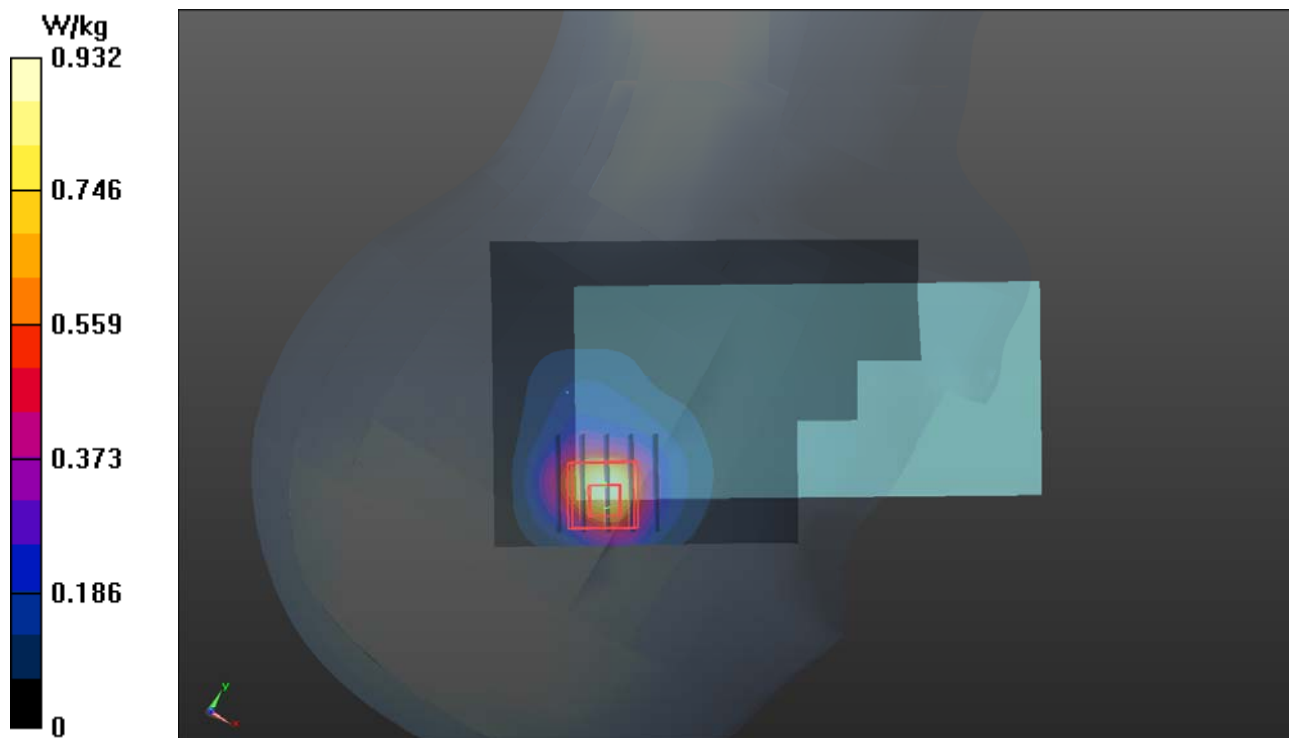
Communication System: LTE TDD CF0; Frequency: 2636.5 MHz; Duty Cycle: 1:1.58  
Medium: H19T27N1\_1109 Medium parameters used:  $f = 2636.5$  MHz;  $\sigma = 2.074$  S/m;  $\epsilon_r = 37.716$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.7 °C ; Liquid Temperature : 23.2 °C

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 (91x171x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm  
Maximum value of SAR (interpolated) = 0.932 W/kg

- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 23.97 V/m; Power Drift = -0.10 dB  
Peak SAR (extrapolated) = 1.73 W/kg  
**SAR(1 g) = 0.702 W/kg; SAR(10 g) = 0.228 W/kg**  
Maximum value of SAR (measured) = 1.35 W/kg



### P19 LTE 66\_QPSK20M\_Right Cheek\_Ch132322\_1RB\_OS50\_Sample1\_Ant1

**DUT: 181001C20**

Communication System: LTE; Frequency: 1745 MHz; Duty Cycle: 1:1

Medium: H16T20N1\_1109 Medium parameters used:  $f = 1745$  MHz;  $\sigma = 1.315$  S/m;  $\epsilon_r = 39.677$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.7 °C ; Liquid Temperature : 23.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(8.6, 8.6, 8.6); 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 (71x141x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.734 W/kg

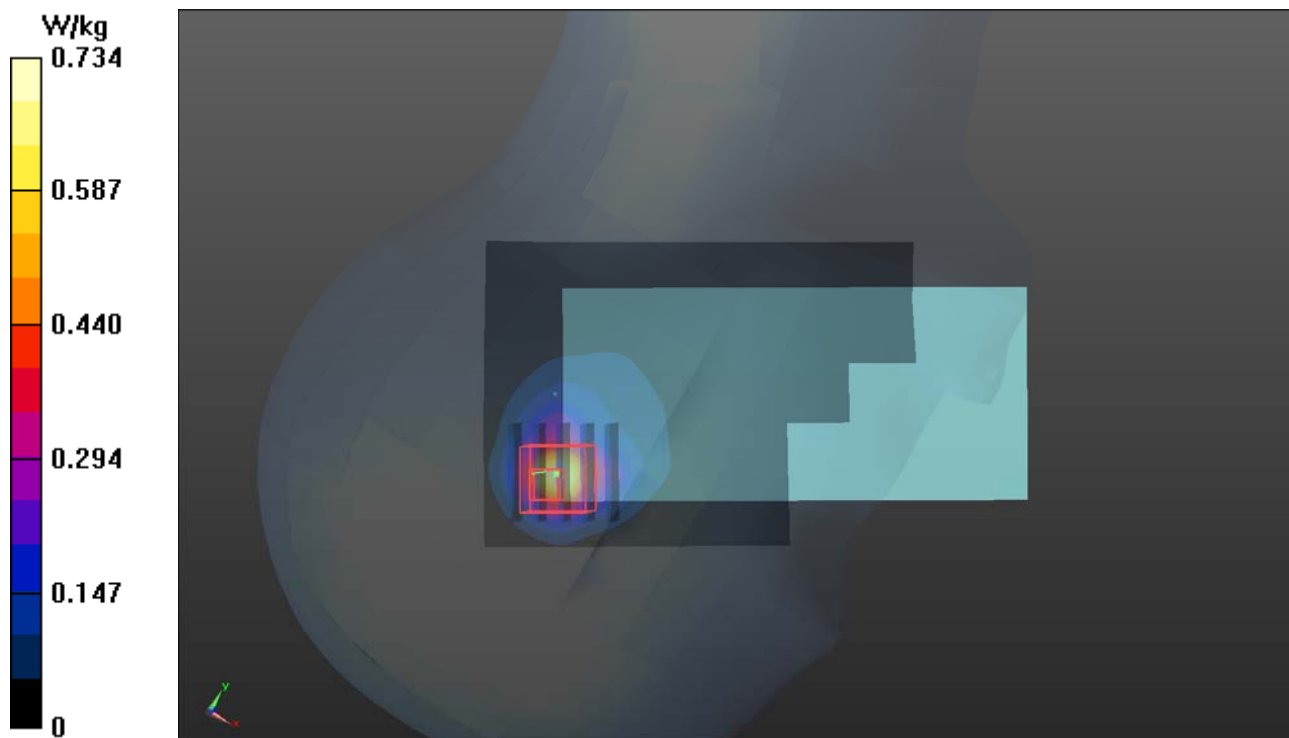
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 19.91 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.673 W/kg

**SAR(1 g) = 0.297 W/kg; SAR(10 g) = 0.146 W/kg**

Maximum value of SAR (measured) = 0.494 W/kg



### P19 LTE 71\_QPSK20M\_Right Tilted\_Ch133372\_1RB\_OS0\_Sample1\_Ant1

**DUT: 181001C20**

Communication System: LTE; Frequency: 688 MHz; Duty Cycle: 1:1

Medium: H06T09N1\_1109 Medium parameters used:  $f = 688 \text{ MHz}$ ;  $\sigma = 0.88 \text{ S/m}$ ;  $\epsilon_r = 42.624$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 23.7 °C ; Liquid Temperature : 23.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(10.34, 10.34, 10.34); 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 (71x141x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

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

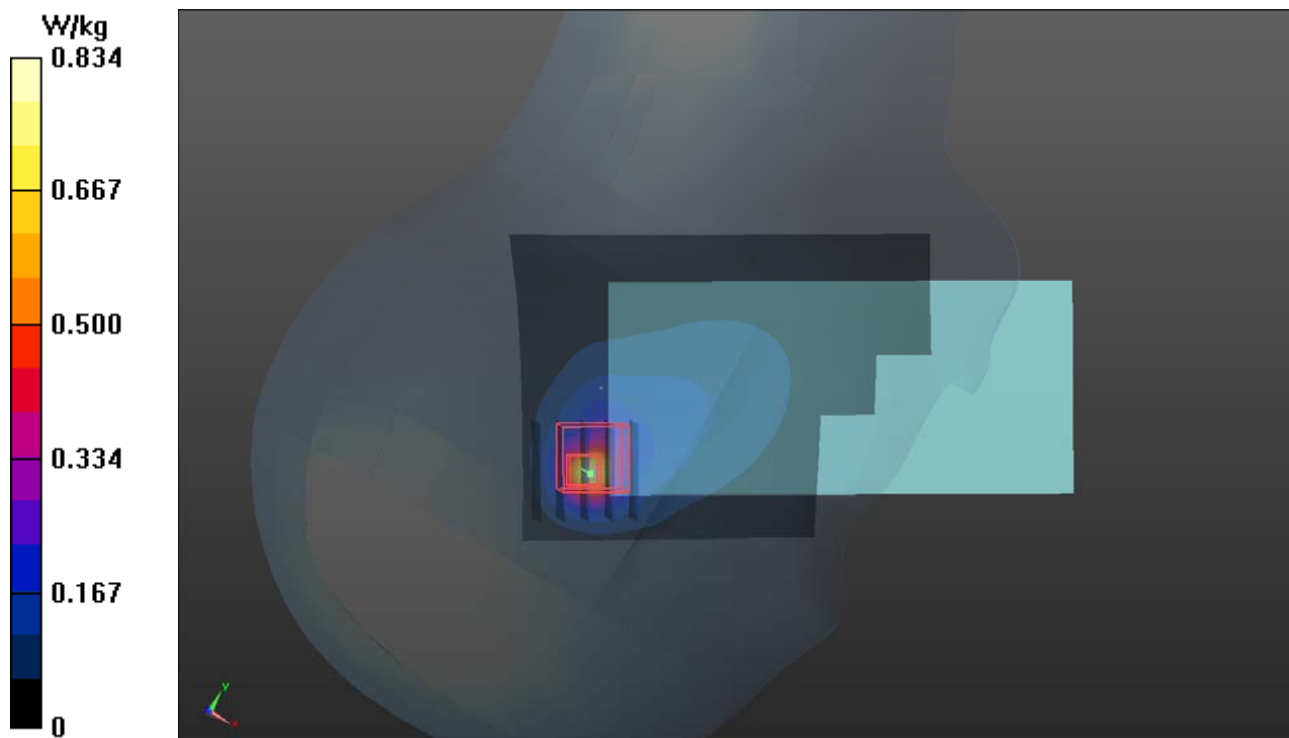
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 28.18 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 1.01 W/kg

**SAR(1 g) = 0.321 W/kg; SAR(10 g) = 0.144 W/kg**

Maximum value of SAR (measured) = 0.697 W/kg



## P21 WLAN2.4G\_802.11b\_Left Cheek\_Ch6\_Sample1\_Ant0+1

### DUT: 181001C20

Communication System: WLAN\_2.4G; Frequency: 2437 MHz; Duty Cycle: 1:1023

Medium: H19T27N1\_1028 Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.869$  S/m;  $\epsilon_r = 38.324$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

#### DASY5 Configuration:

- Probe: EX3DV4 - SN3971; ConvF(7.77, 7.77, 7.77); Calibrated: 2018/03/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1431; Calibrated: 2018/03/16
- Phantom: Twin SAM Phantom\_1653; 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) = 1.41 W/kg

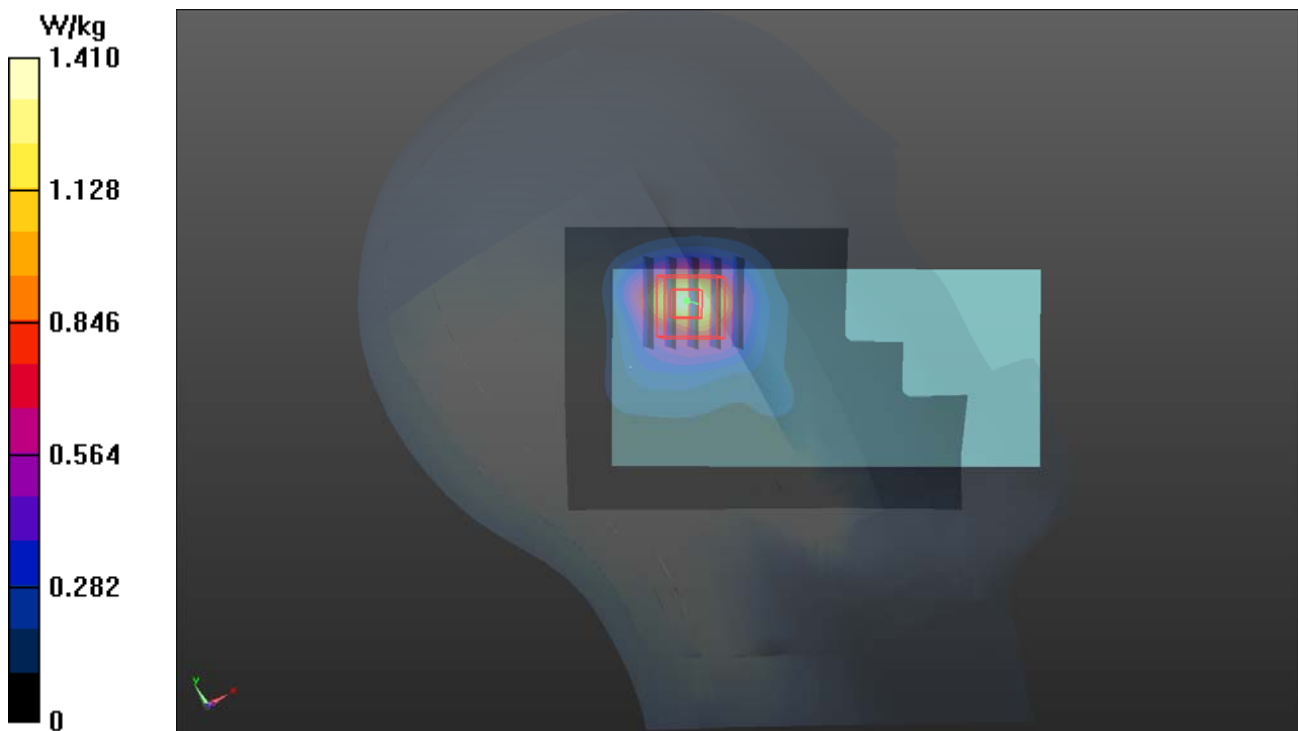
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 24.13 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 1.60 W/kg

**SAR(1 g) = 0.782 W/kg; SAR(10 g) = 0.459 W/kg**

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



## P22 WLAN5.3G\_802.11ac VHT80\_Left Cheek\_Ch58\_Sample1\_Ant0+1

**DUT: 181001C20**

Communication System: WLAN\_5G; Frequency: 5290 MHz; Duty Cycle: 1:1.08

Medium: H34T60N1\_1029 Medium parameters used:  $f = 5290$  MHz;  $\sigma = 4.796$  S/m;  $\epsilon_r = 37.017$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(5.46, 5.46, 5.46); Calibrated: 2018/07/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2018/08/27
- 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) = 1.81 W/kg

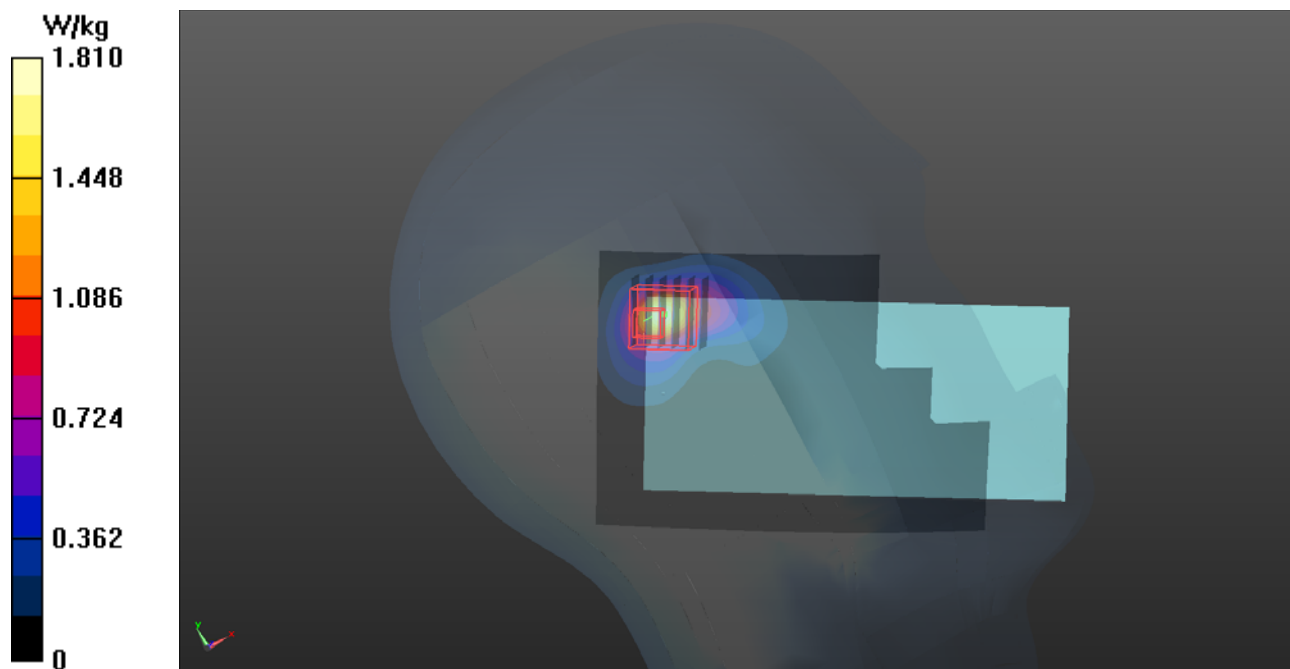
- **Zoom Scan (6x6x12)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=2mm

Reference Value = 20.05 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 3.64 W/kg

**SAR(1 g) = 0.848 W/kg; SAR(10 g) = 0.258 W/kg**

Maximum value of SAR (measured) = 2.09 W/kg



### P23 WLAN5.6G\_802.11ac VHT80\_Left Tilted\_Ch106\_Sample1\_Ant0+1

**DUT: 181001C20**

Communication System: WLAN\_5G; Frequency: 5530 MHz; Duty Cycle: 1:1.08

Medium: H34T60N1\_1127 Medium parameters used:  $f = 5530$  MHz;  $\sigma = 5.015$  S/m;  $\epsilon_r = 36.577$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(5.05, 5.05, 5.05); Calibrated: 2018/07/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2018/08/27
- 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) = 1.90 W/kg

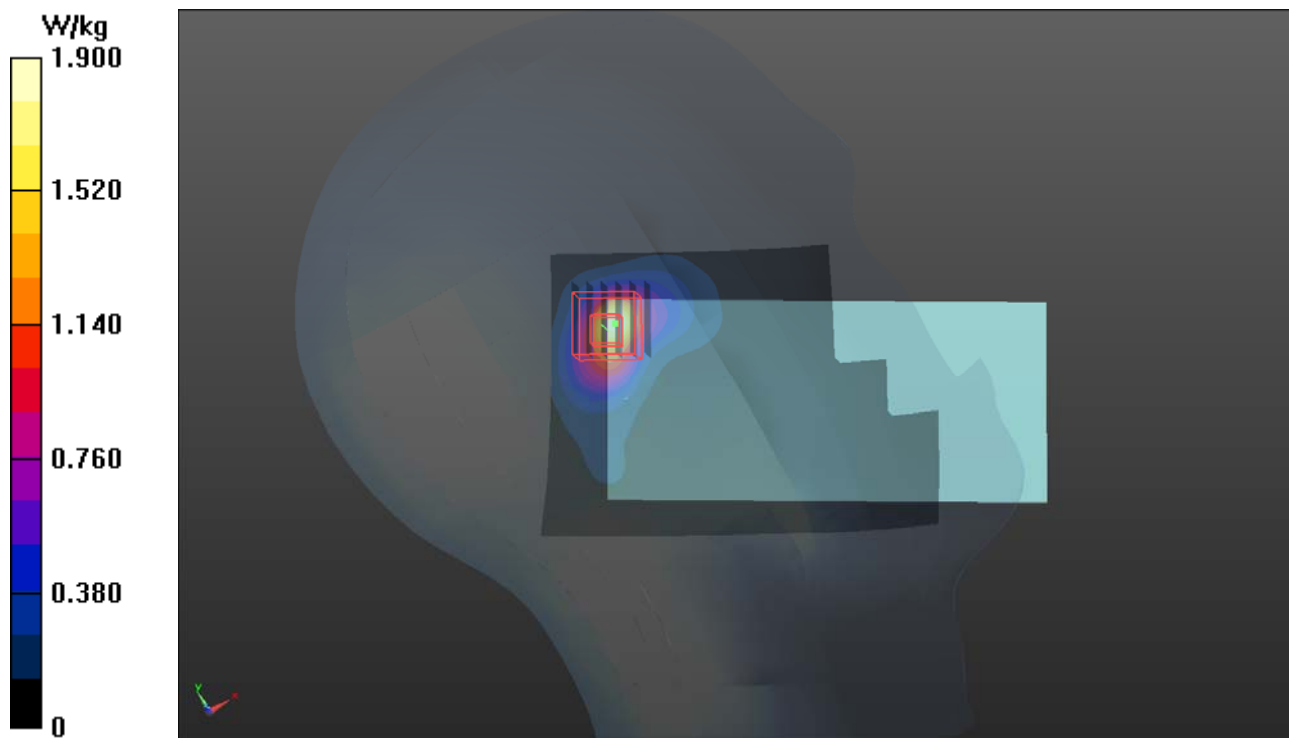
**- Zoom Scan (6x6x12)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=2mm

Reference Value = 20.81 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 4.34 W/kg

**SAR(1 g) = 0.901 W/kg; SAR(10 g) = 0.300 W/kg**

Maximum value of SAR (measured) = 2.54 W/kg





## P24 WLAN5.8G\_802.11ac VHT80\_Left Tilted\_Ch155\_Sample1\_Ant0

**DUT: 181001C20**

Communication System: WLAN\_5G; Frequency: 5775 MHz; Duty Cycle: 1:1.08

Medium: H34T60N1\_1127 Medium parameters used:  $f = 5775$  MHz;  $\sigma = 5.274$  S/m;  $\epsilon_r = 36.25$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(5.33, 5.33, 5.33); Calibrated: 2018/07/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2018/08/27
- 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) = 1.94 W/kg

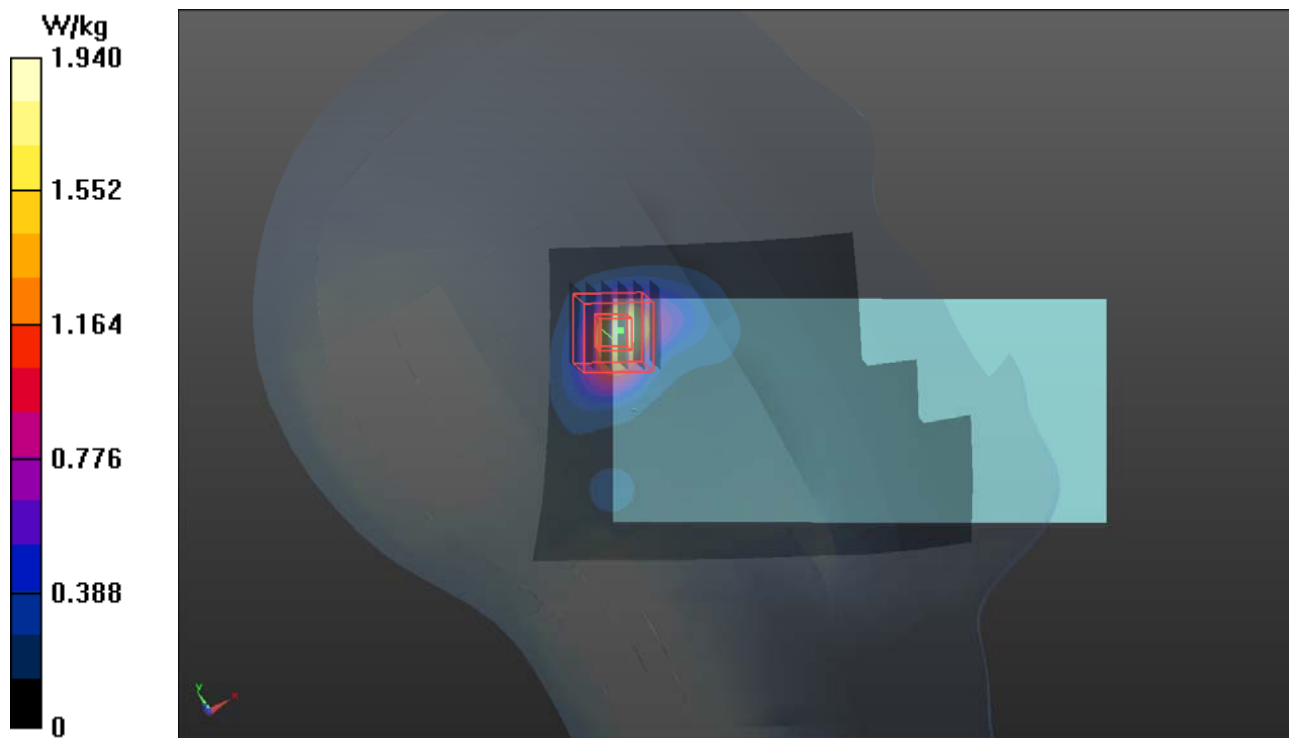
- **Zoom Scan (6x6x12)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=2mm

Reference Value = 19.79 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 5.08 W/kg

**SAR(1 g) = 0.901 W/kg; SAR(10 g) = 0.304 W/kg**

Maximum value of SAR (measured) = 2.77 W/kg



## P25 BT\_BDR\_Left Cheek\_Ch39\_Sample1\_Ant0

**DUT: 181001C20**

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

Medium: H19T27N1\_1127 Medium parameters used:  $f = 2441$  MHz;  $\sigma = 1.86$  S/m;  $\epsilon_r = 38.694$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(7.64, 7.64, 7.64); Calibrated: 2018/07/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2018/08/27
- Phantom: Twin SAM Phantom\_1654; 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) = 0.772 W/kg

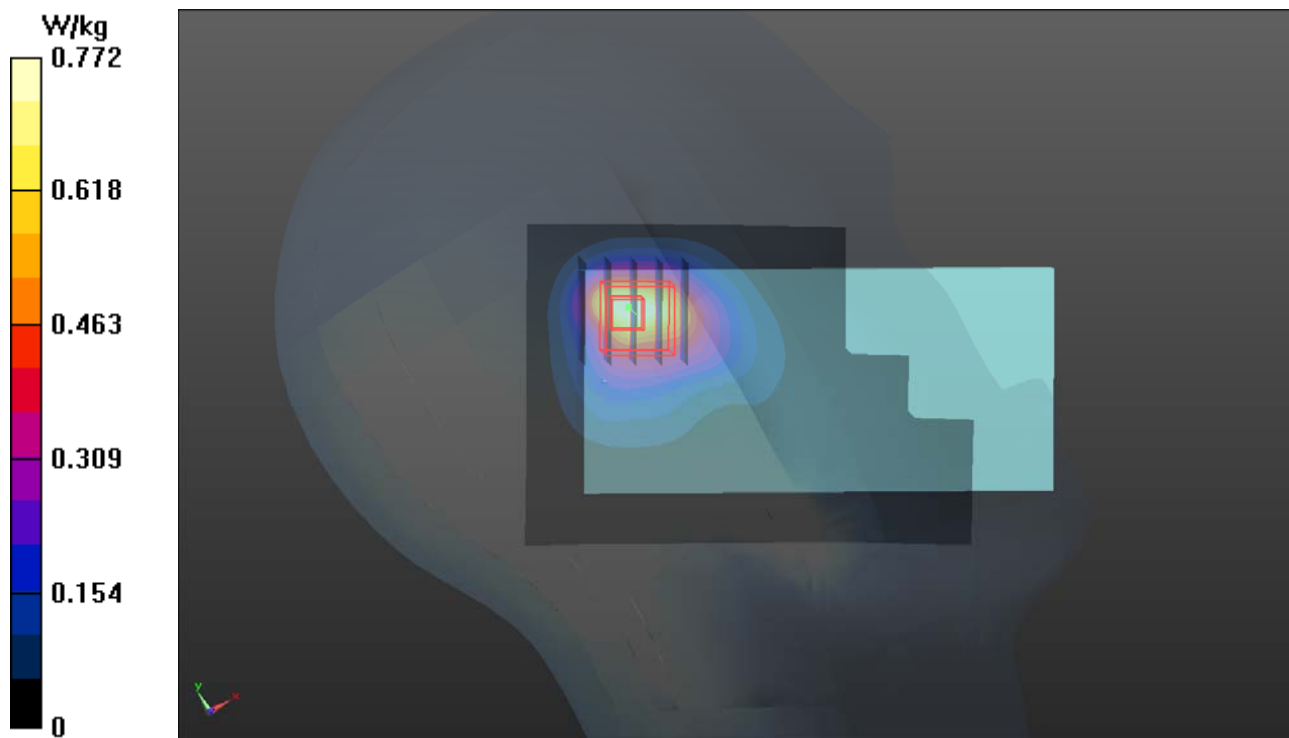
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.81 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 1.26 W/kg

**SAR(1 g) = 0.205 W/kg; SAR(10 g) = 0.106 W/kg**

Maximum value of SAR (measured) = 0.959 W/kg



## P26 GSM850\_GPRS12\_Rear Face\_10mm\_Ch251\_Sample1\_Ant0

**DUT: 181001C20**

Communication System: GPRS12; Frequency: 848.8 MHz; Duty Cycle: 1:2

Medium: B07T10N1\_1113 Medium parameters used:  $f = 848.8 \text{ MHz}$ ;  $\sigma = 1.028 \text{ S/m}$ ;  $\epsilon_r = 57.825$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature :  $23.6 \text{ }^\circ\text{C}$  ; Liquid Temperature :  $23.3 \text{ }^\circ\text{C}$

DASY5 Configuration:

- Probe: EX3DV4 - SN3898; ConvF(10.25, 10.25, 10.25); 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 (71x141x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) =  $0.376 \text{ W/kg}$

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

Reference Value =  $18.37 \text{ V/m}$ ; Power Drift =  $-0.13 \text{ dB}$

Peak SAR (extrapolated) =  $0.449 \text{ W/kg}$

**SAR(1 g) =  $0.247 \text{ W/kg}$ ; SAR(10 g) =  $0.136 \text{ W/kg}$**

Maximum value of SAR (measured) =  $0.358 \text{ W/kg}$

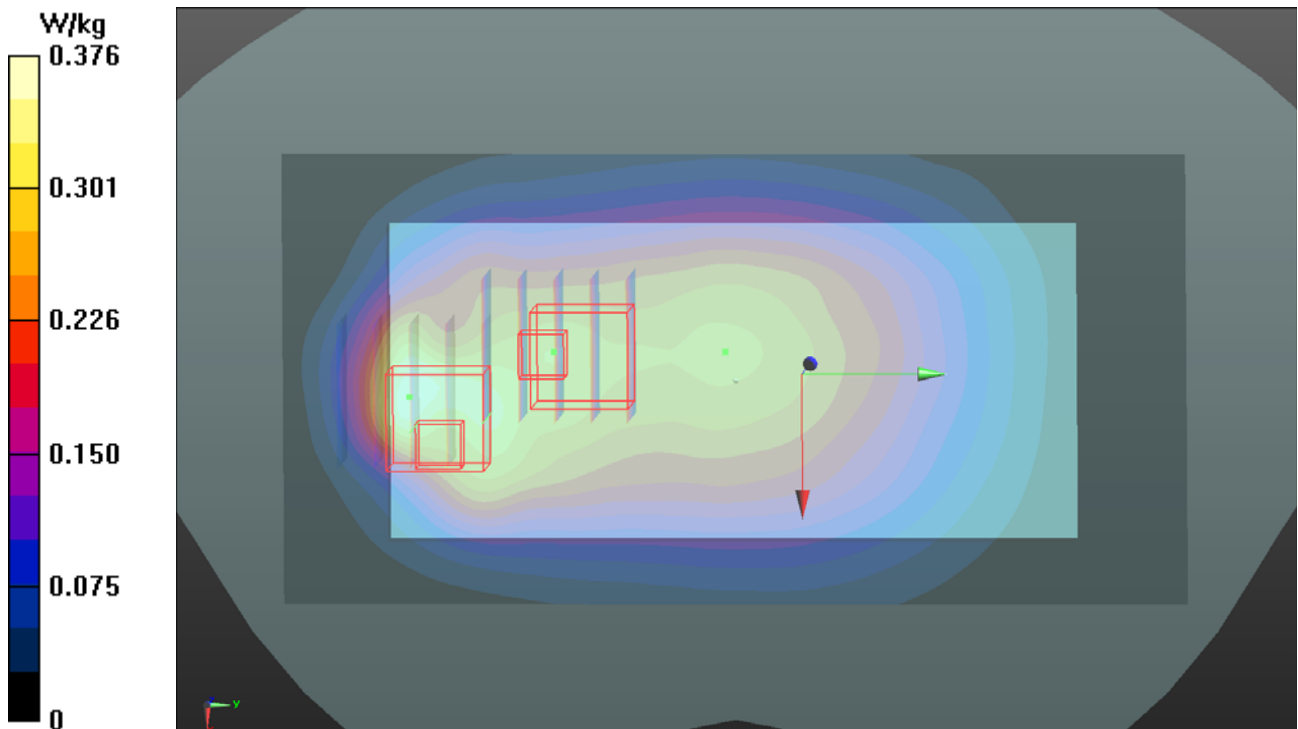
- **Zoom Scan (5x5x7)/Cube 1:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value =  $18.37 \text{ V/m}$ ; Power Drift =  $-0.13 \text{ dB}$

Peak SAR (extrapolated) =  $0.358 \text{ W/kg}$

**SAR(1 g) =  $0.246 \text{ W/kg}$ ; SAR(10 g) =  $0.182 \text{ W/kg}$**

Maximum value of SAR (measured) =  $0.309 \text{ W/kg}$



### P27 GSM1900\_GPRS12\_Rear Face\_10mm\_Ch810\_Sample1\_Ant0

**DUT: 181001C20**

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

Medium: B16T20N1\_1205 Medium parameters used:  $f = 1910$  MHz;  $\sigma = 1.575$  S/m;  $\epsilon_r = 51.416$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3971; ConvF(8.08, 8.08, 8.08); 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 (71x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.402 W/kg

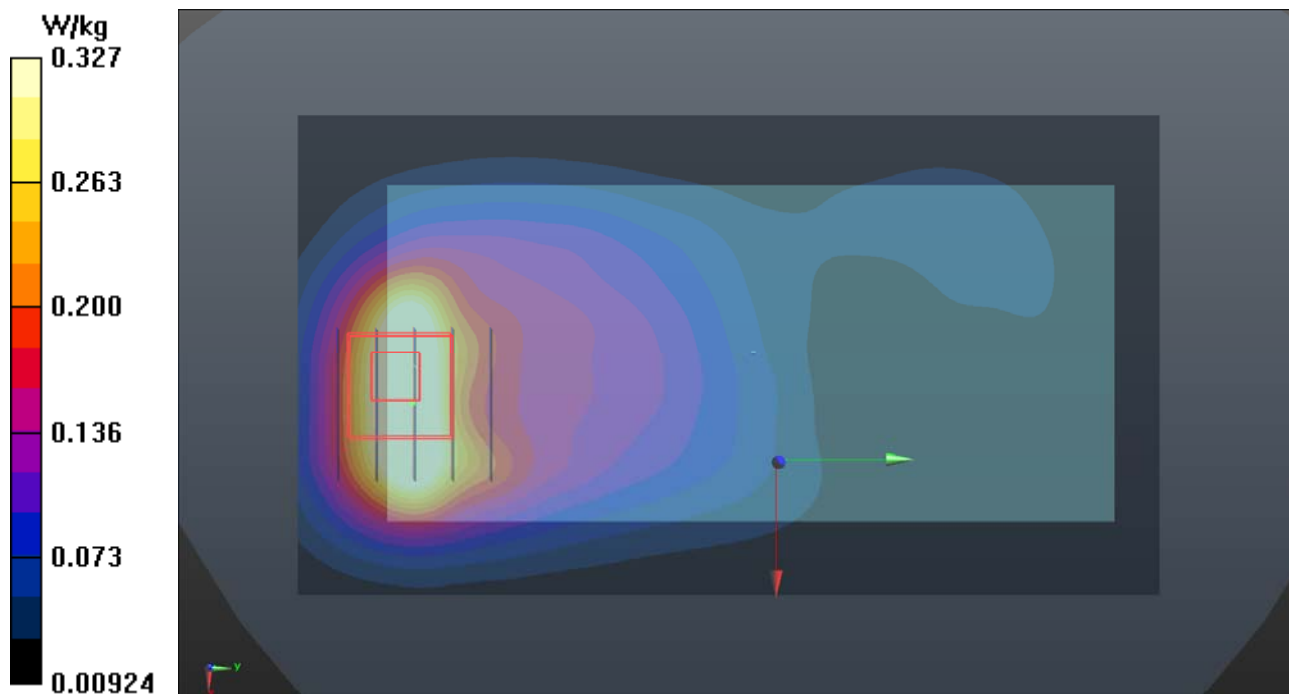
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.81 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.406 W/kg

**SAR(1 g) = 0.241 W/kg; SAR(10 g) = 0.148 W/kg**

Maximum value of SAR (measured) = 0.327 W/kg



## P28 WCDMA II\_RMC12.2K\_Rear Face\_10mm\_Ch9538\_Sample1\_Ant1

**DUT: 181001C20**

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

Medium: B16T20N1\_1205 Medium parameters used:  $f = 1908$  MHz;  $\sigma = 1.573$  S/m;  $\epsilon_r = 51.419$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3971; ConvF(8.08, 8.08, 8.08); 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 (71x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.743 W/kg

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

Reference Value = 19.86 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 0.770 W/kg

**SAR(1 g) = 0.469 W/kg; SAR(10 g) = 0.261 W/kg**

Maximum value of SAR (measured) = 0.644 W/kg

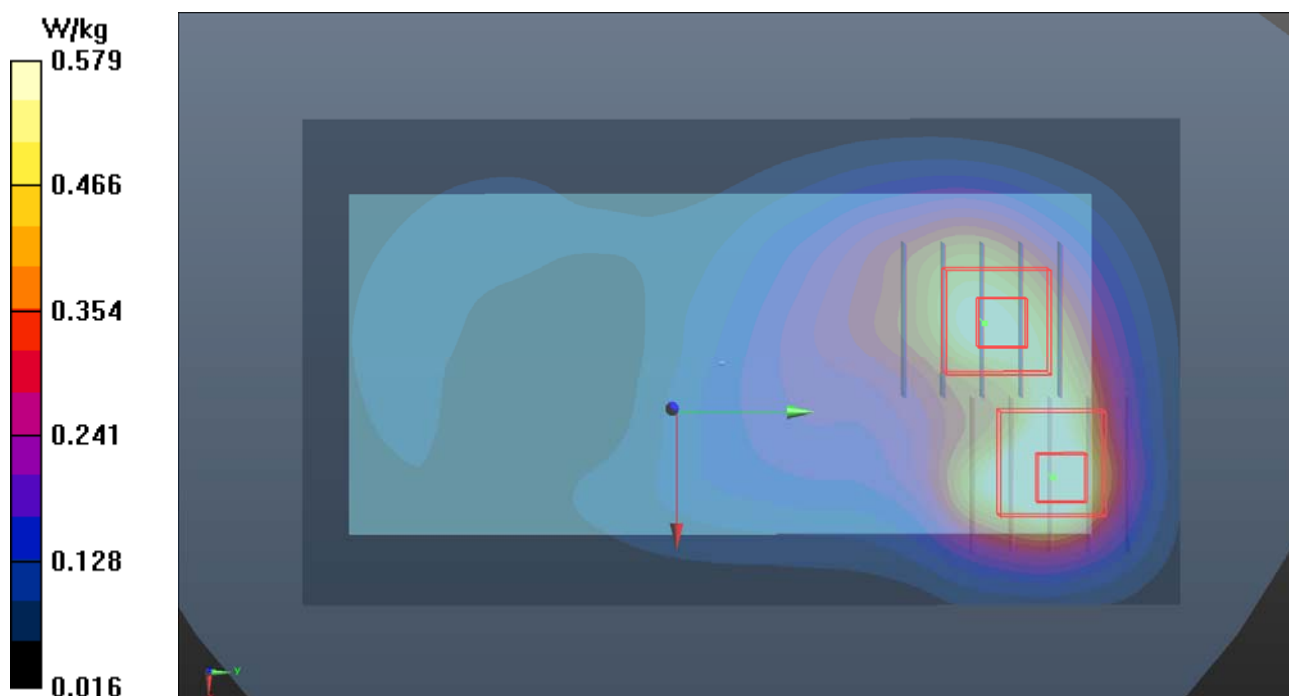
- **Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 19.86 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 0.693 W/kg

**SAR(1 g) = 0.430 W/kg; SAR(10 g) = 0.261 W/kg**

Maximum value of SAR (measured) = 0.579 W/kg



## P29 WCDMA IV\_RMC12.2K\_Rear Face\_10mm\_Ch1413\_Sample1\_Ant0

### DUT: 181001C20

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

Medium: B16T20N1\_1205 Medium parameters used:  $f = 1733$  MHz;  $\sigma = 1.413$  S/m;  $\epsilon_r = 51.87$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

#### DASY5 Configuration:

- Probe: EX3DV4 - SN3971; ConvF(8.34, 8.34, 8.34); 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 (71x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

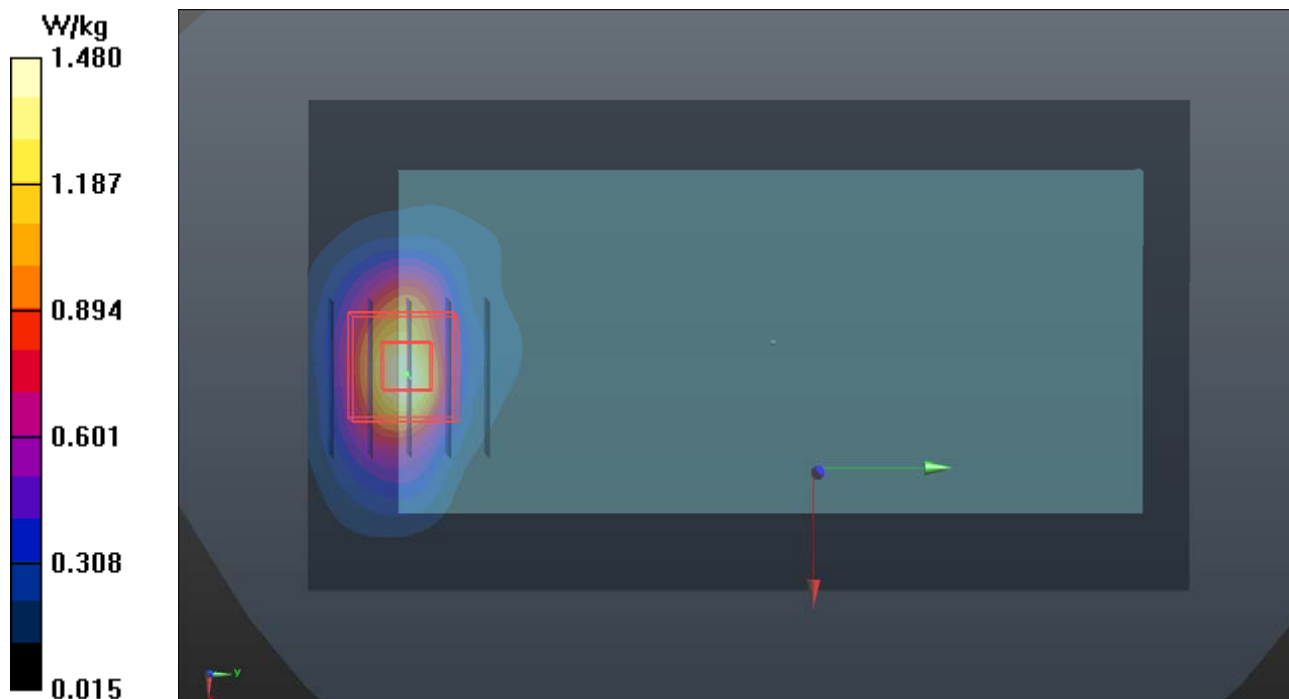
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 32.64 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 1.75 W/kg

**SAR(1 g) = 0.861 W/kg; SAR(10 g) = 0.516 W/kg**

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



### P30 WCDMA V\_RMC12.2K\_Rear Face\_10mm\_Ch4182\_Sample1\_Ant0

**DUT: 181001C20**

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

Medium: B07T10N1\_1113 Medium parameters used:  $f = 836.565$  MHz;  $\sigma = 1.019$  S/m;  $\epsilon_r = 57.749$ ;

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

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3898; ConvF(10.25, 10.25, 10.25); 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 (71x141x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.244 W/kg

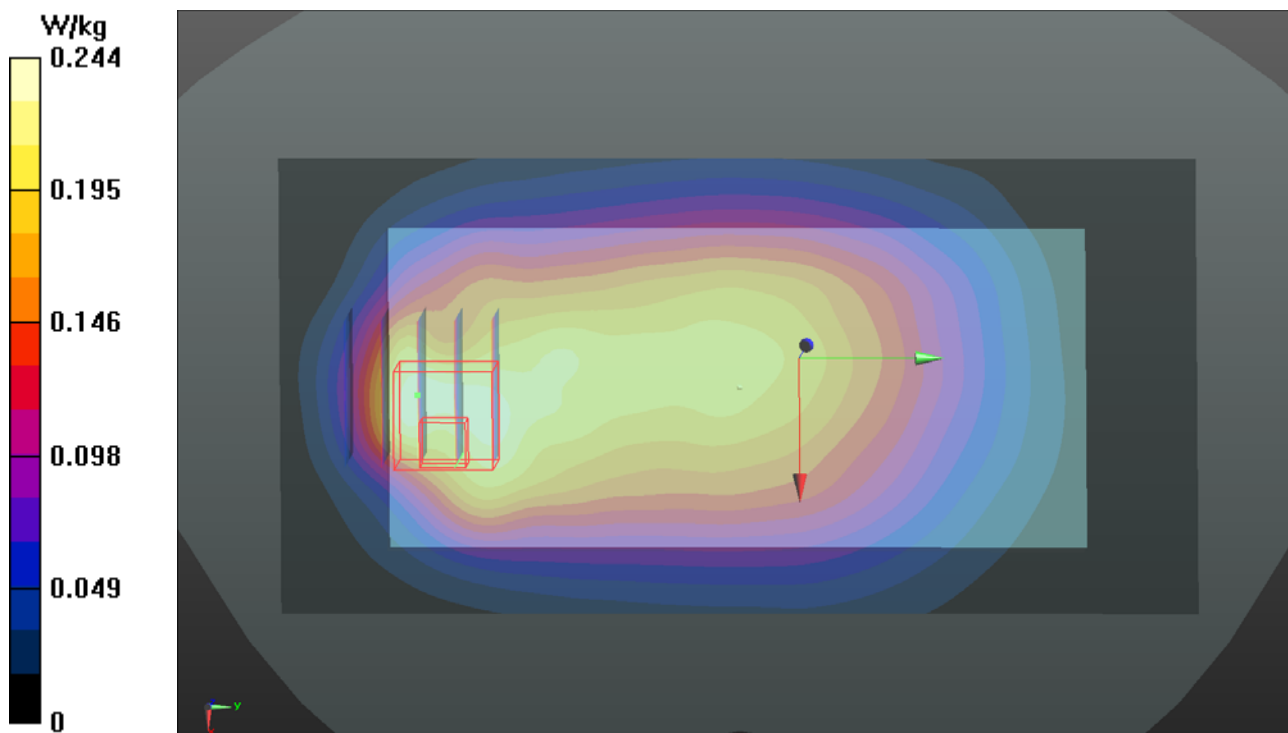
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.40 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.305 W/kg

**SAR(1 g) = 0.167 W/kg; SAR(10 g) = 0.094 W/kg**

Maximum value of SAR (measured) = 0.240 W/kg



### P31 CDMA BC0\_RTAP153.6\_Rear Face\_10mm\_Ch1013\_Sample1\_Ant0

**DUT: 181001C20**

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

Medium: B07T10N1\_1113 Medium parameters used:  $f = 824.7$  MHz;  $\sigma = 1.004$  S/m;  $\epsilon_r = 57.523$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3898; ConvF(10.25, 10.25, 10.25); 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 (71x141x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.341 W/kg

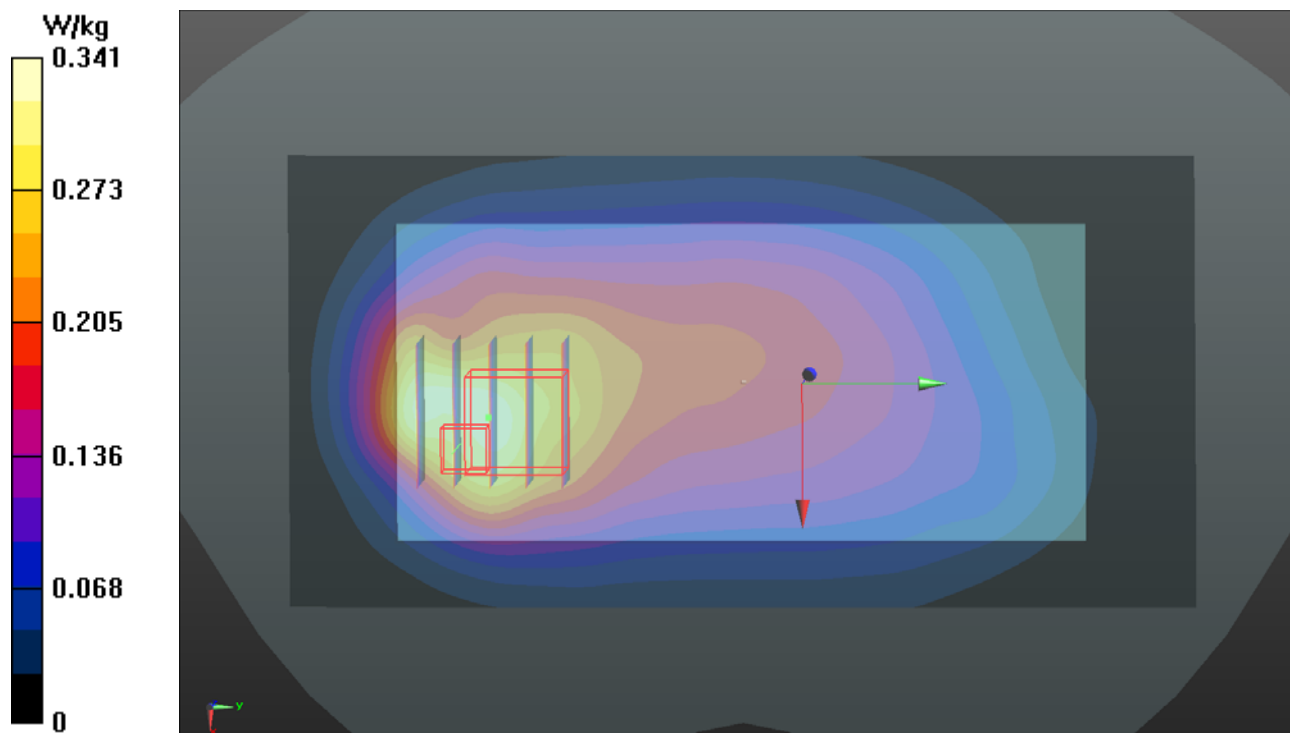
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.76 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.416 W/kg

**SAR(1 g) = 0.246 W/kg; SAR(10 g) = 0.153 W/kg**

Maximum value of SAR (measured) = 0.354 W/kg





### P32 CDMA BC1\_RTAP153.6\_Rear Face\_10mm\_Ch600\_Sample1\_Ant1

**DUT: 181001C20**

Communication System: CDMA2000; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: B16T20N1\_1205 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.546$  S/m;  $\epsilon_r = 51.468$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3971; ConvF(8.08, 8.08, 8.08); 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 (71x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.669 W/kg

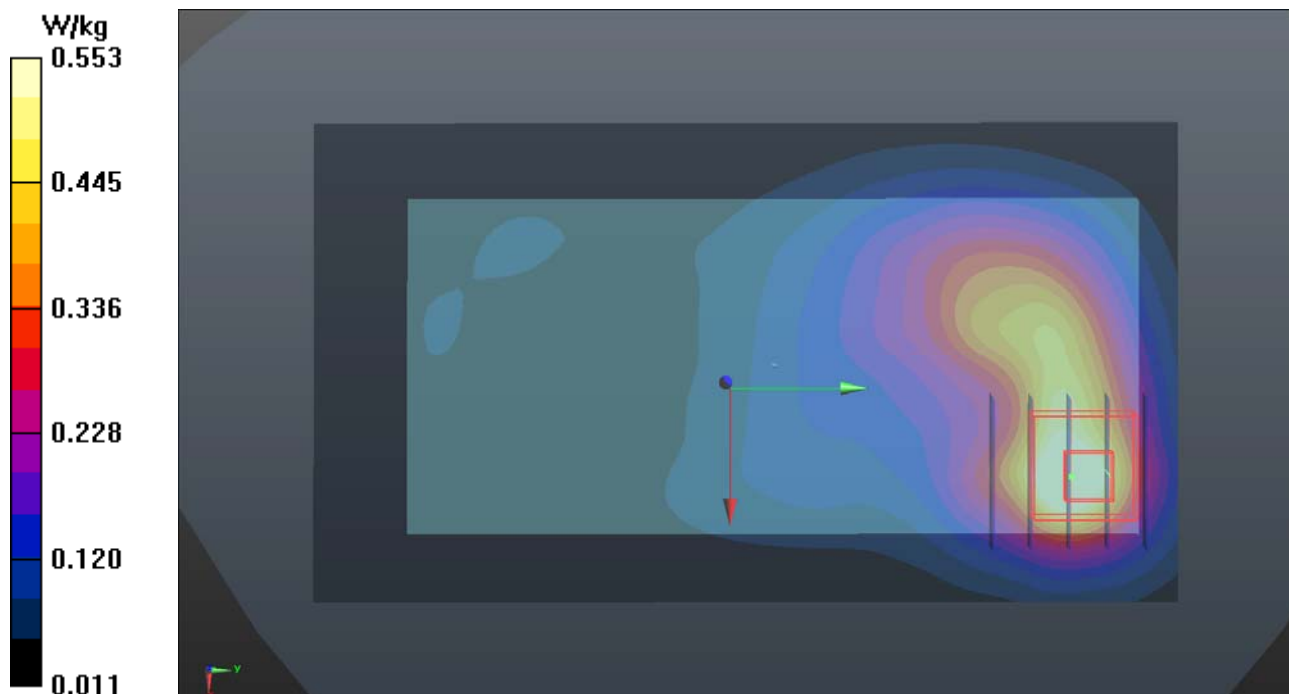
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 19.40 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 0.702 W/kg

**SAR(1 g) = 0.512 W/kg; SAR(10 g) = 0.282 W/kg**

Maximum value of SAR (measured) = 0.553 W/kg



### P33 CDMA BC10\_RTAP153.6\_Rear Face\_10mm\_Ch580\_Sample1\_Ant0

**DUT: 181001C20**

Communication System: CDMA2000; Frequency: 820.5 MHz; Duty Cycle: 1:1

Medium: B07T10N1\_1113 Medium parameters used:  $f = 820.645$  MHz;  $\sigma = 0.998$  S/m;  $\epsilon_r = 57.436$ ;

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

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3898; ConvF(10.25, 10.25, 10.25); 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 (71x141x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

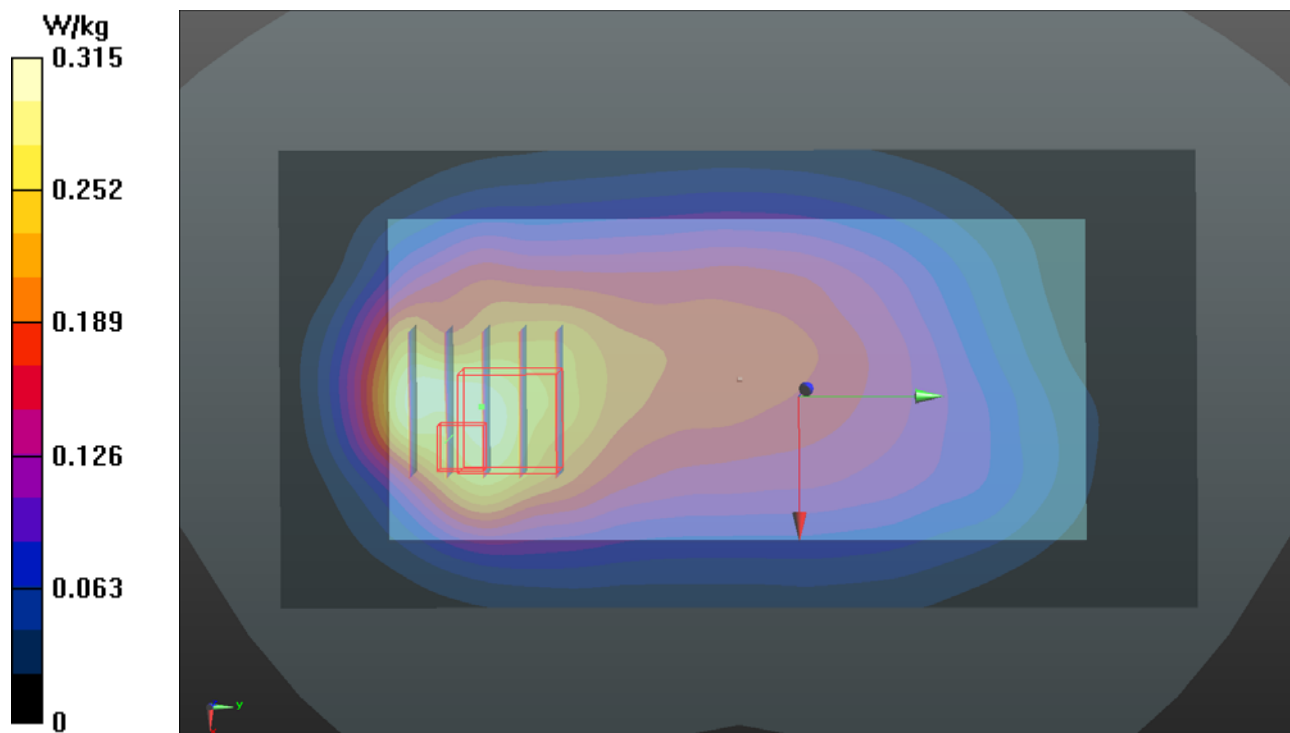
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.08 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.381 W/kg

**SAR(1 g) = 0.227 W/kg; SAR(10 g) = 0.143 W/kg**

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



### P34 LTE 5\_QPSK10M\_Rear Face\_10mm\_Ch20600\_1RB\_OS0\_Sample1\_Ant0

**DUT: 181001C20**

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

Medium: B07T10N1\_1119 Medium parameters used:  $f = 844 \text{ MHz}$ ;  $\sigma = 0.975 \text{ S/m}$ ;  $\epsilon_r = 56.961$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature :  $23.5 \text{ }^\circ\text{C}$  ; Liquid Temperature :  $23.1 \text{ }^\circ\text{C}$

DASY5 Configuration:

- Probe: EX3DV4 - SN3898; ConvF(10.25, 10.25, 10.25); 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 (71x141x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) =  $0.323 \text{ W/kg}$

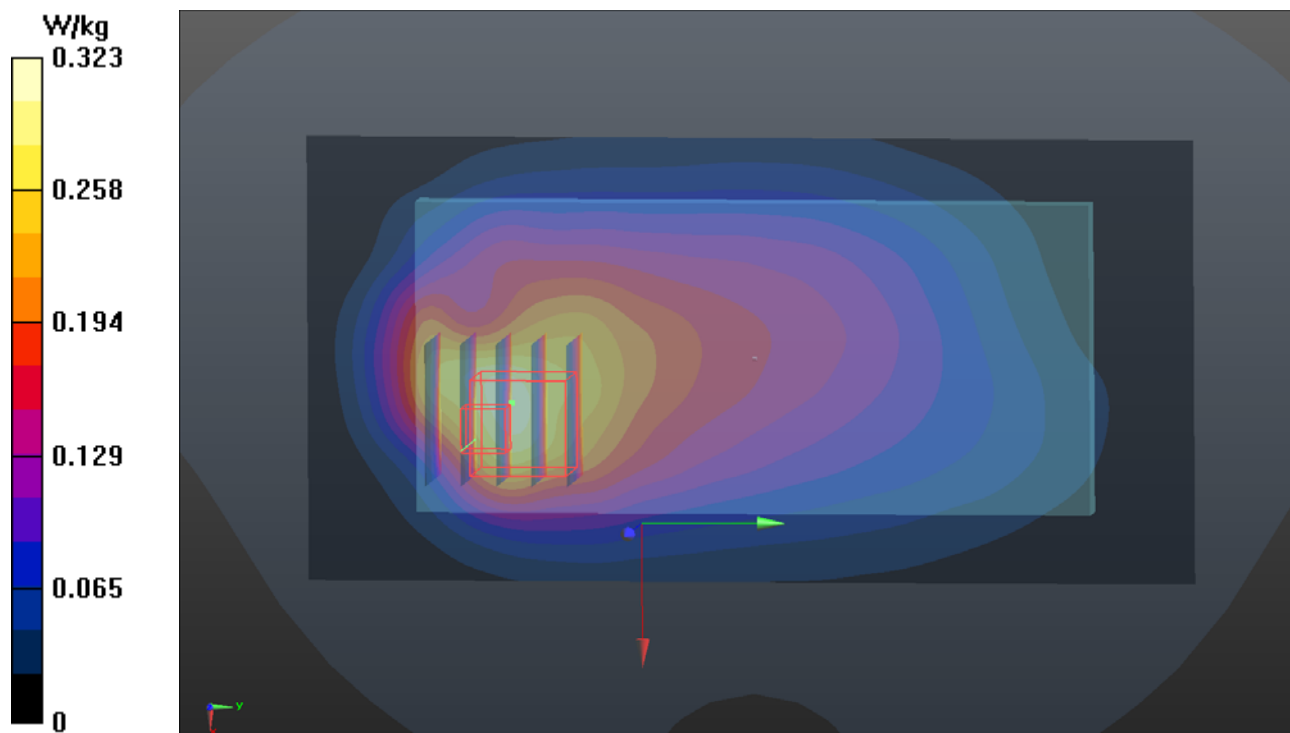
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value =  $18.47 \text{ V/m}$ ; Power Drift =  $-0.16 \text{ dB}$

Peak SAR (extrapolated) =  $0.388 \text{ W/kg}$

**SAR(1 g) =  $0.234 \text{ W/kg}$ ; SAR(10 g) =  $0.146 \text{ W/kg}$**

Maximum value of SAR (measured) =  $0.323 \text{ W/kg}$



### P35 LTE 7\_QPSK20\_Rear Face\_10mm\_Ch20850\_1RB\_OS0\_Sample1\_Ant3

**DUT: 181001C20**

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

Medium: B19T27N1\_1113 Medium parameters used:  $f = 2510$  MHz;  $\sigma = 2.085$  S/m;  $\epsilon_r = 50.458$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.7 °C ; Liquid Temperature : 23.4 °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\_1822; Type: QD000P40CD;
- 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) = 0.869 W/kg

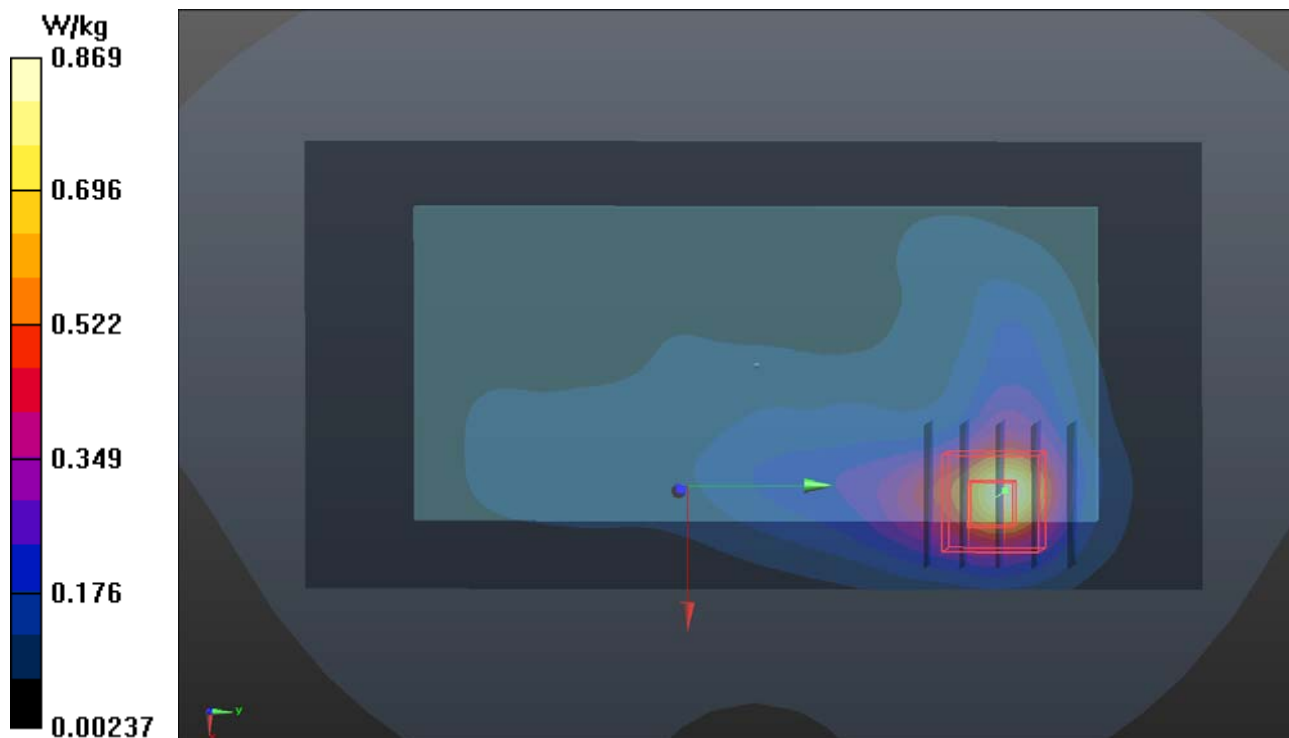
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 19.67 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 1.23 W/kg

**SAR(1 g) = 0.564 W/kg; SAR(10 g) = 0.266 W/kg**

Maximum value of SAR (measured) = 0.891 W/kg



### P36 LTE 12\_QPSK10\_Rear Face\_10mm\_Ch23130\_1RB\_OS0\_Sample1\_Ant0

**DUT: 181001C20**

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

Medium: B06T09N1\_1113 Medium parameters used:  $f = 711 \text{ MHz}$ ;  $\sigma = 0.924 \text{ S/m}$ ;  $\epsilon_r = 56.802$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature :  $23.6 \text{ }^\circ\text{C}$  ; Liquid Temperature :  $23.3 \text{ }^\circ\text{C}$

DASY5 Configuration:

- Probe: EX3DV4 - SN3898; ConvF(10.28, 10.28, 10.28); 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 (71x141x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) =  $0.277 \text{ W/kg}$

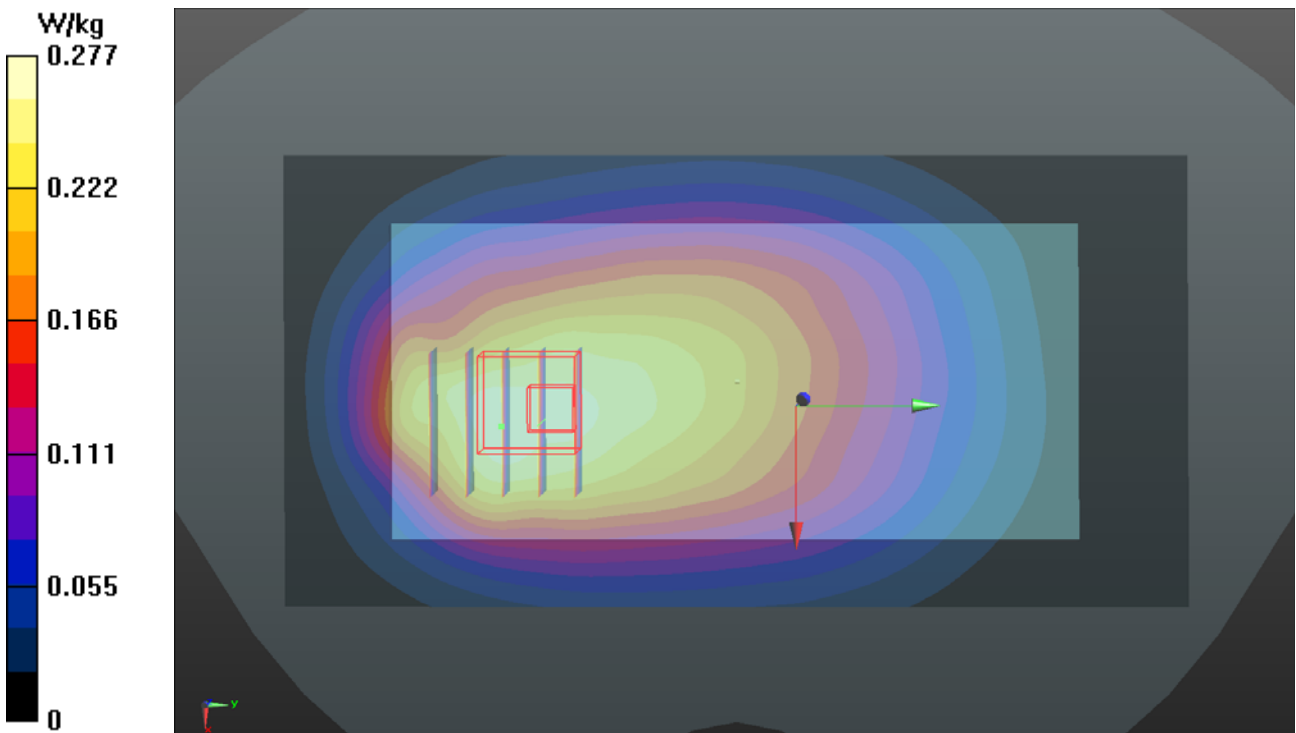
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value =  $17.92 \text{ V/m}$ ; Power Drift =  $-0.02 \text{ dB}$

Peak SAR (extrapolated) =  $0.313 \text{ W/kg}$

**SAR(1 g) =  $0.221 \text{ W/kg}$ ; SAR(10 g) =  $0.154 \text{ W/kg}$**

Maximum value of SAR (measured) =  $0.272 \text{ W/kg}$



### P37 LTE 13\_QPSK10\_Rear Face\_10mm\_Ch23230\_1RB\_OS0\_Sample1\_Ant1

**DUT: 181001C20**

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

Medium: B06T09N1\_1113 Medium parameters used:  $f = 782 \text{ MHz}$ ;  $\sigma = 1.002 \text{ S/m}$ ;  $\epsilon_r = 56.584$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 23.7 °C ; Liquid Temperature : 23.4 °C

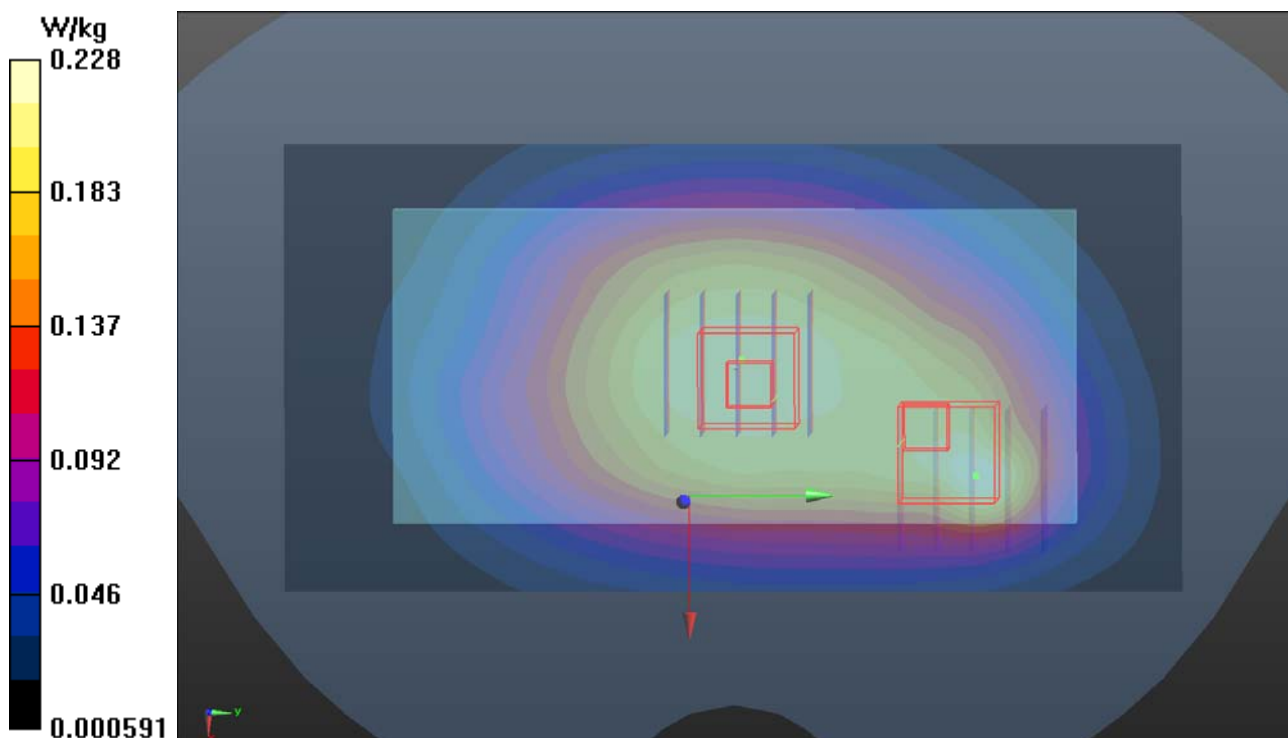
DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(9.91, 9.91, 9.91); Calibrated: 2018/07/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2018/08/27
- Phantom: Twin SAM Phantom\_1822; Type: QD000P40CD;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

- **Area Scan (71x141x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$   
Maximum value of SAR (interpolated) = 0.228 W/kg

- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$   
Reference Value = 14.94 V/m; Power Drift = -0.03 dB  
Peak SAR (extrapolated) = 0.231 W/kg  
**SAR(1 g) = 0.173 W/kg; SAR(10 g) = 0.133 W/kg**  
Maximum value of SAR (measured) = 0.192 W/kg

- **Zoom Scan (5x5x7)/Cube 1:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$   
Reference Value = 14.94 V/m; Power Drift = -0.03 dB  
Peak SAR (extrapolated) = 0.233 W/kg  
**SAR(1 g) = 0.150 W/kg; SAR(10 g) = 0.101 W/kg**  
Maximum value of SAR (measured) = 0.211 W/kg



### P38 LTE 14\_QPSK10\_Rear Face\_10mm\_Ch23330\_1RB\_OS0\_Sample1\_Ant1

**DUT: 181001C20**

Communication System: LTE; Frequency: 793 MHz; Duty Cycle: 1:1

Medium: B06T09N1\_1113 Medium parameters used:  $f = 793 \text{ MHz}$ ;  $\sigma = 1.012 \text{ S/m}$ ;  $\epsilon_r = 56.478$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature :  $23.7 \text{ }^\circ\text{C}$  ; Liquid Temperature :  $23.4 \text{ }^\circ\text{C}$

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(9.91, 9.91, 9.91); Calibrated: 2018/07/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2018/08/27
- Phantom: Twin SAM Phantom\_1822; Type: QD000P40CD;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

- **Area Scan (71x141x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) =  $0.341 \text{ W/kg}$

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

Reference Value =  $17.06 \text{ V/m}$ ; Power Drift =  $-0.06 \text{ dB}$

Peak SAR (extrapolated) =  $0.346 \text{ W/kg}$

**SAR(1 g) =  $0.227 \text{ W/kg}$ ; SAR(10 g) =  $0.175 \text{ W/kg}$**

Maximum value of SAR (measured) =  $0.285 \text{ W/kg}$

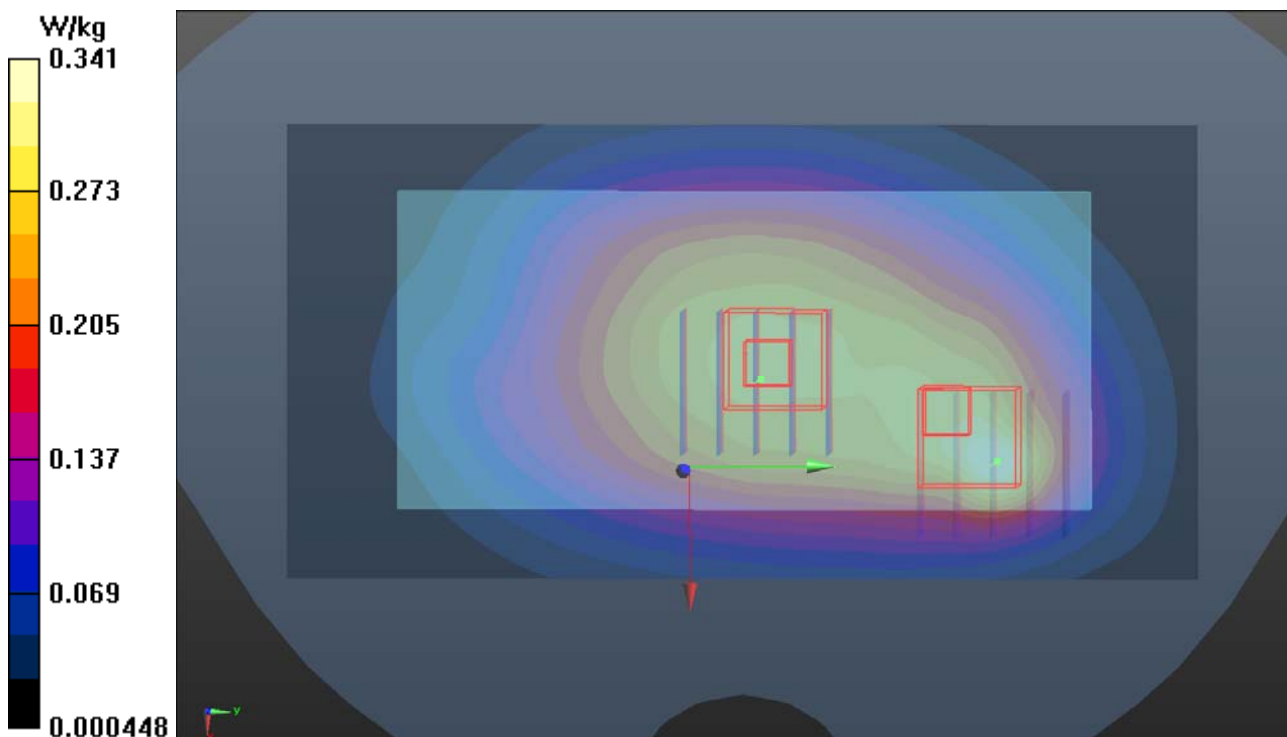
- **Zoom Scan (5x5x7)/Cube 1:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value =  $17.06 \text{ V/m}$ ; Power Drift =  $-0.06 \text{ dB}$

Peak SAR (extrapolated) =  $0.305 \text{ W/kg}$

**SAR(1 g) =  $0.217 \text{ W/kg}$ ; SAR(10 g) =  $0.148 \text{ W/kg}$**

Maximum value of SAR (measured) =  $0.276 \text{ W/kg}$



### P39 LTE 25\_QPSK20M\_Rear Face\_10mm\_Ch26140\_1RB\_OS0\_Sample1\_Ant1

**DUT: 181001C20**

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

Medium: B16T20N1\_1205 Medium parameters used:  $f = 1860$  MHz;  $\sigma = 1.529$  S/m;  $\epsilon_r = 51.495$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

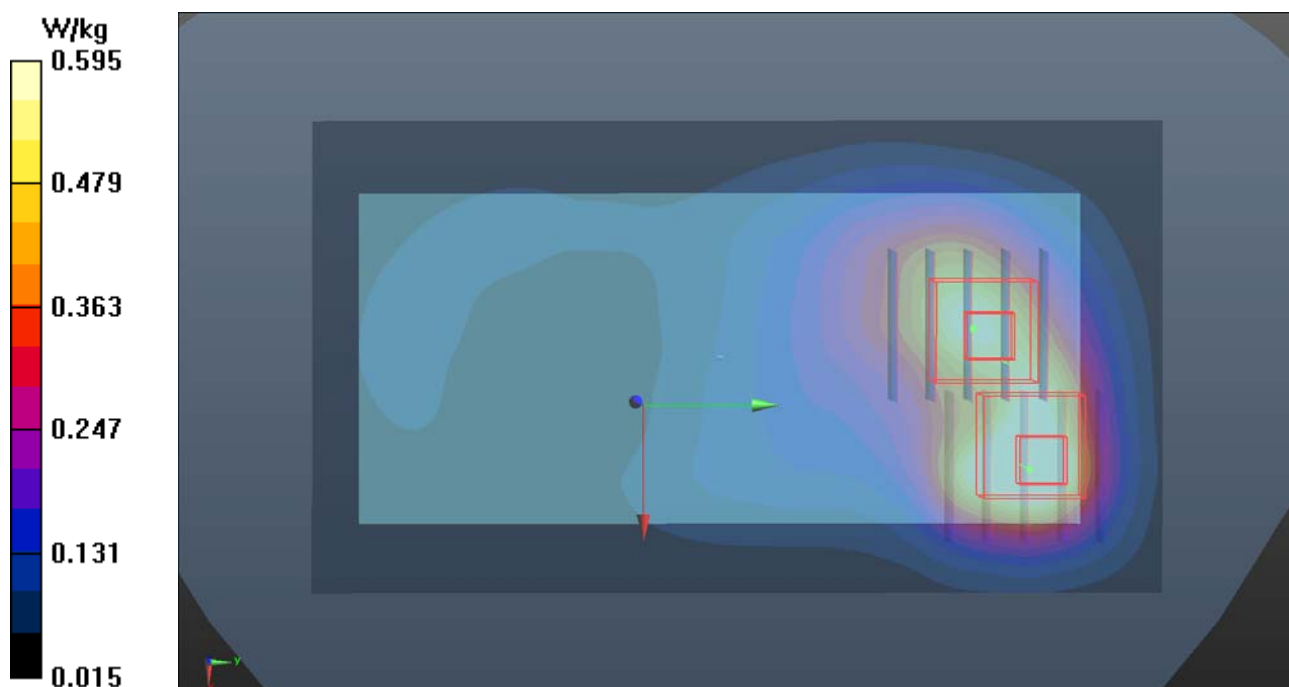
DASY5 Configuration:

- Probe: EX3DV4 - SN3971; ConvF(8.08, 8.08, 8.08); 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 (71x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Maximum value of SAR (interpolated) = 0.765 W/kg

- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 19.92 V/m; Power Drift = 0.13 dB  
Peak SAR (extrapolated) = 0.813 W/kg  
**SAR(1 g) = 0.529 W/kg; SAR(10 g) = 0.296 W/kg**  
Maximum value of SAR (measured) = 0.659 W/kg

- **Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 19.92 V/m; Power Drift = 0.13 dB  
Peak SAR (extrapolated) = 0.697 W/kg  
**SAR(1 g) = 0.426 W/kg; SAR(10 g) = 0.260 W/kg**  
Maximum value of SAR (measured) = 0.595 W/kg





### P40 LTE 26\_QPSK15\_Rear Face\_10mm\_Ch26965\_1RB\_OS0\_Sample1\_Ant0

**DUT: 181001C20**

Communication System: LTE; Frequency: 841.5 MHz; Duty Cycle: 1:1

Medium: B07T10N1\_1113 Medium parameters used:  $f = 841.5$  MHz;  $\sigma = 1.004$  S/m;  $\epsilon_r = 55.024$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.7 °C ; Liquid Temperature : 23.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(9.74, 9.74, 9.74); Calibrated: 2018/07/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2018/08/27
- Phantom: Twin SAM Phantom\_1822; Type: QD000P40CD;
- 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) = 0.390 W/kg

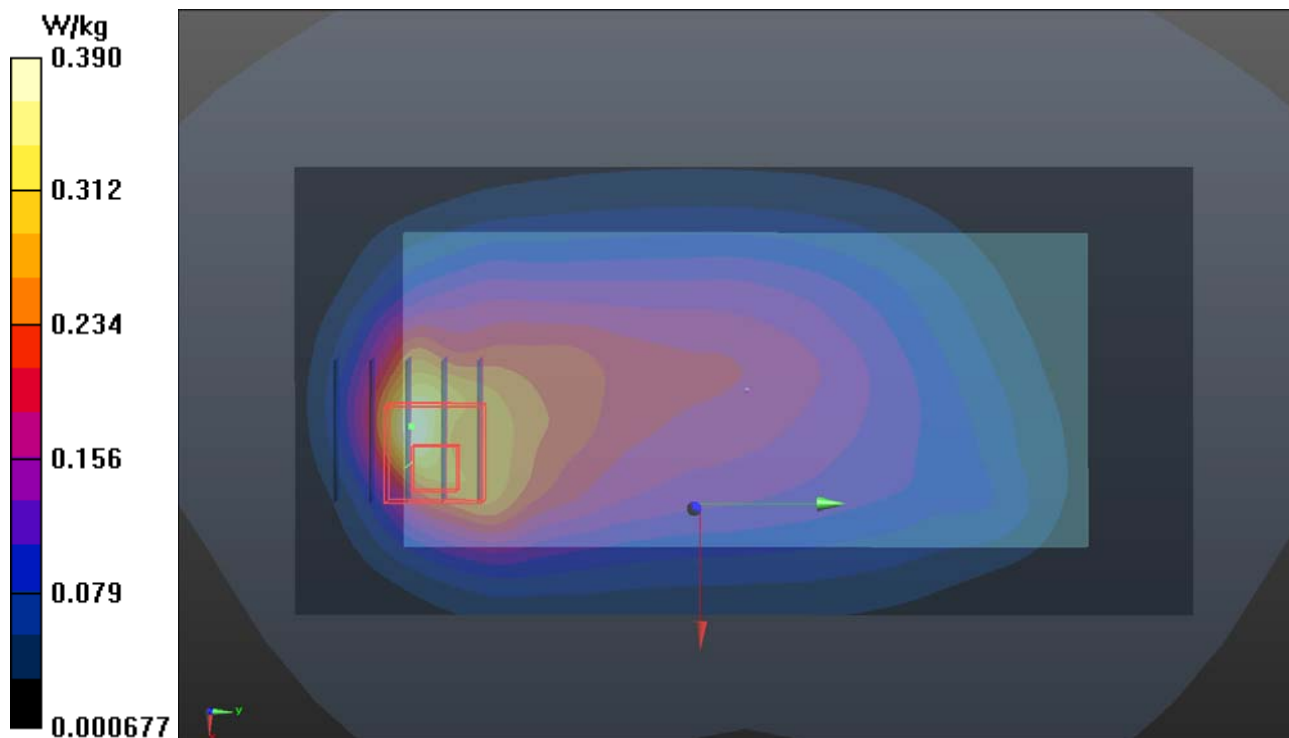
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.04 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 0.431 W/kg

**SAR(1 g) = 0.234 W/kg; SAR(10 g) = 0.134 W/kg**

Maximum value of SAR (measured) = 0.343 W/kg



### P41 LTE 30\_QPSK10\_Front Face\_10mm\_Ch27710\_1RB\_OS0\_Sample1\_Ant2

**DUT: 181001C20**

Communication System: LTE; Frequency: 2310 MHz; Duty Cycle: 1:1

Medium: B19T27N1\_1113 Medium parameters used:  $f = 2310$  MHz;  $\sigma = 1.869$  S/m;  $\epsilon_r = 50.975$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.7 °C ; Liquid Temperature : 23.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(7.77, 7.77, 7.77); Calibrated: 2018/07/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2018/08/27
- Phantom: Twin SAM Phantom\_1822; Type: QD000P40CD;
- 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) = 1.06 W/kg

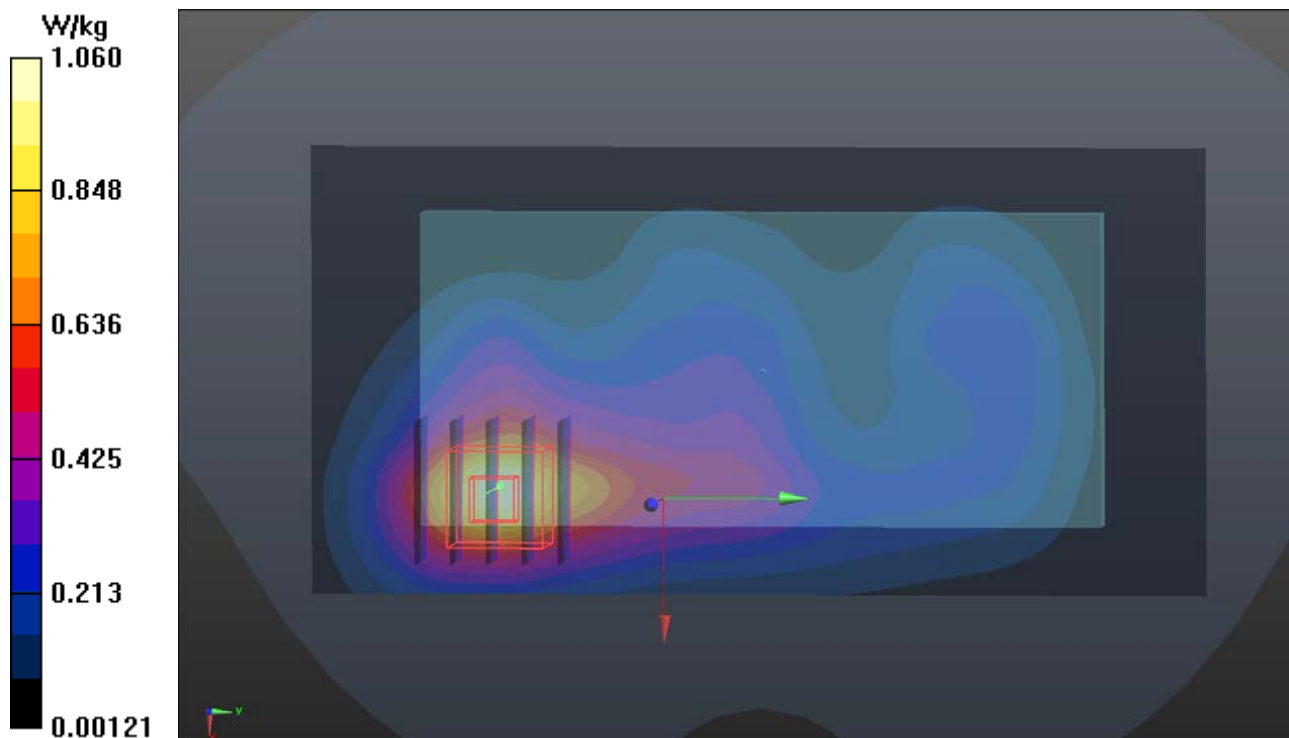
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 24.17 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.20 W/kg

**SAR(1 g) = 0.665 W/kg; SAR(10 g) = 0.368 W/kg**

Maximum value of SAR (measured) = 0.968 W/kg



### P42 LTE 38\_QPSK20\_Rear Face\_10mm\_Ch38150\_1RB\_OS0\_Sample1\_Ant3

#### DUT: 181001C20

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

Medium: B19T27N1\_1113 Medium parameters used:  $f = 2610$  MHz;  $\sigma = 2.198$  S/m;  $\epsilon_r = 50.148$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.7 °C ; Liquid Temperature : 23.4 °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\_1822; Type: QD000P40CD;
- 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) = 0.845 W/kg

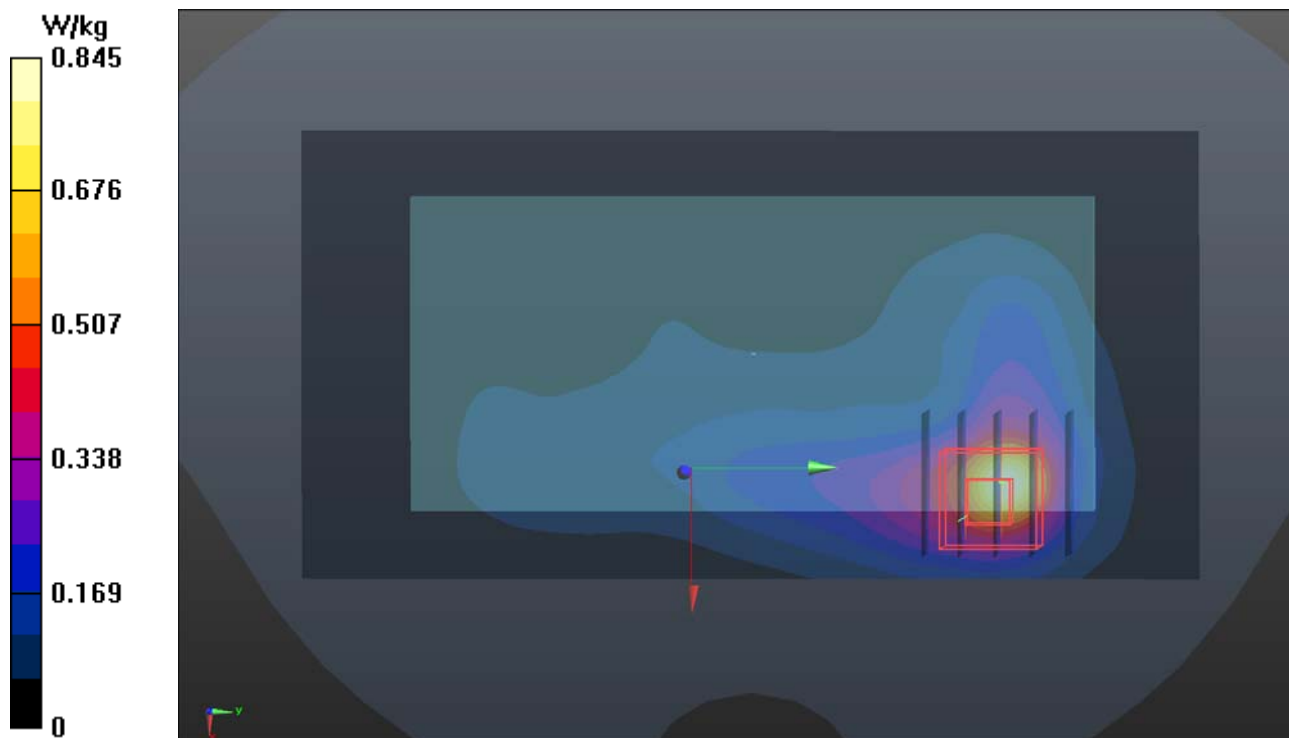
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 19.41 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 1.30 W/kg

**SAR(1 g) = 0.573 W/kg; SAR(10 g) = 0.262 W/kg**

Maximum value of SAR (measured) = 0.931 W/kg



### P43 LTE 41\_QPSK20\_Rear Face\_10mm\_Ch41055\_1RB\_OS0\_Sample1\_Ant3

#### DUT: 181001C20

Communication System: LTE TDD CF0; Frequency: 2636.5 MHz; Duty Cycle: 1:1.58

Medium: B19T27N1\_1113 Medium parameters used:  $f = 2636.5$  MHz;  $\sigma = 2.223$  S/m;  $\epsilon_r = 50.035$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.8 °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\_1822; Type: QD000P40CD;
- 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) = 0.589 W/kg

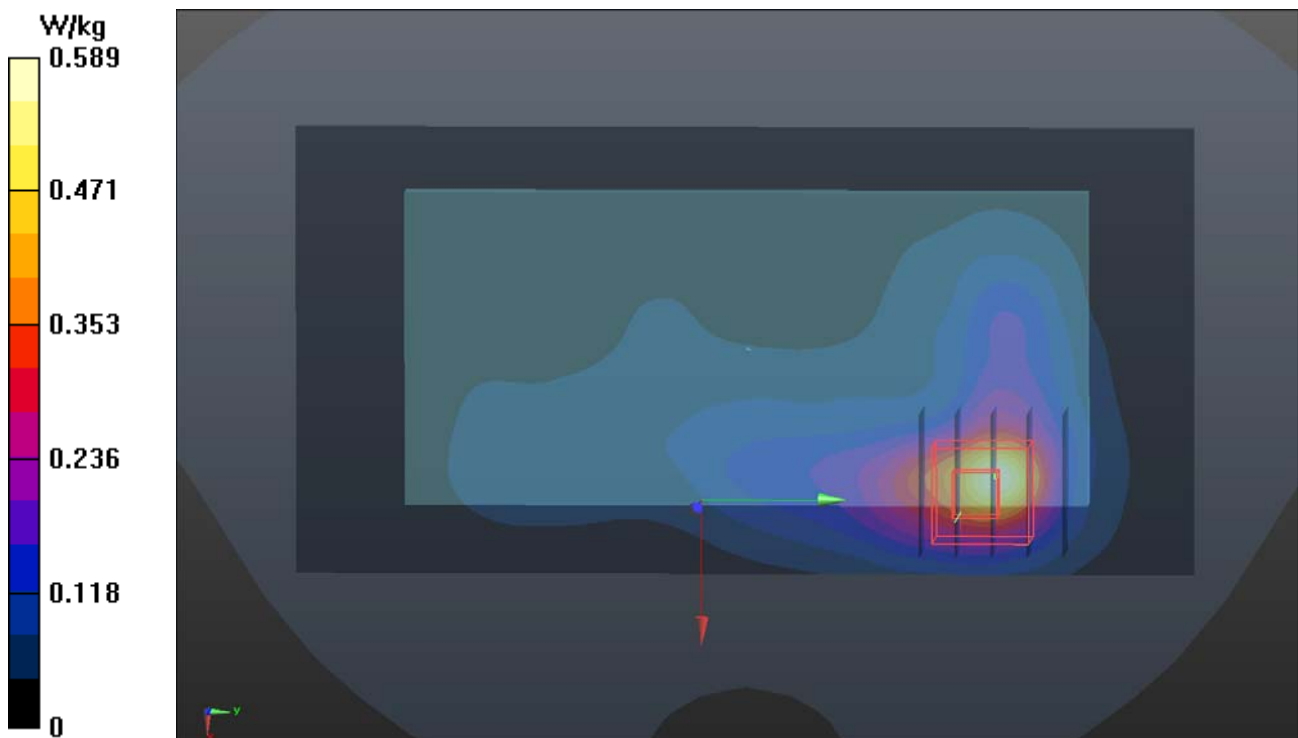
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.78 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.916 W/kg

**SAR(1 g) = 0.451 W/kg; SAR(10 g) = 0.207 W/kg**

Maximum value of SAR (measured) = 0.626 W/kg



### P44 LTE 66\_QPSK20M\_Rear Face\_10mm\_Ch132322\_1RB\_OS50\_Sample1\_Ant0

**DUT: 181001C20**

Communication System: LTE; Frequency: 1745 MHz; Duty Cycle: 1:1

Medium: B16T20N1\_1119 Medium parameters used:  $f = 1745$  MHz;  $\sigma = 1.426$  S/m;  $\epsilon_r = 51.67$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3898; ConvF(8.28, 8.28, 8.28); 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 (71x141x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

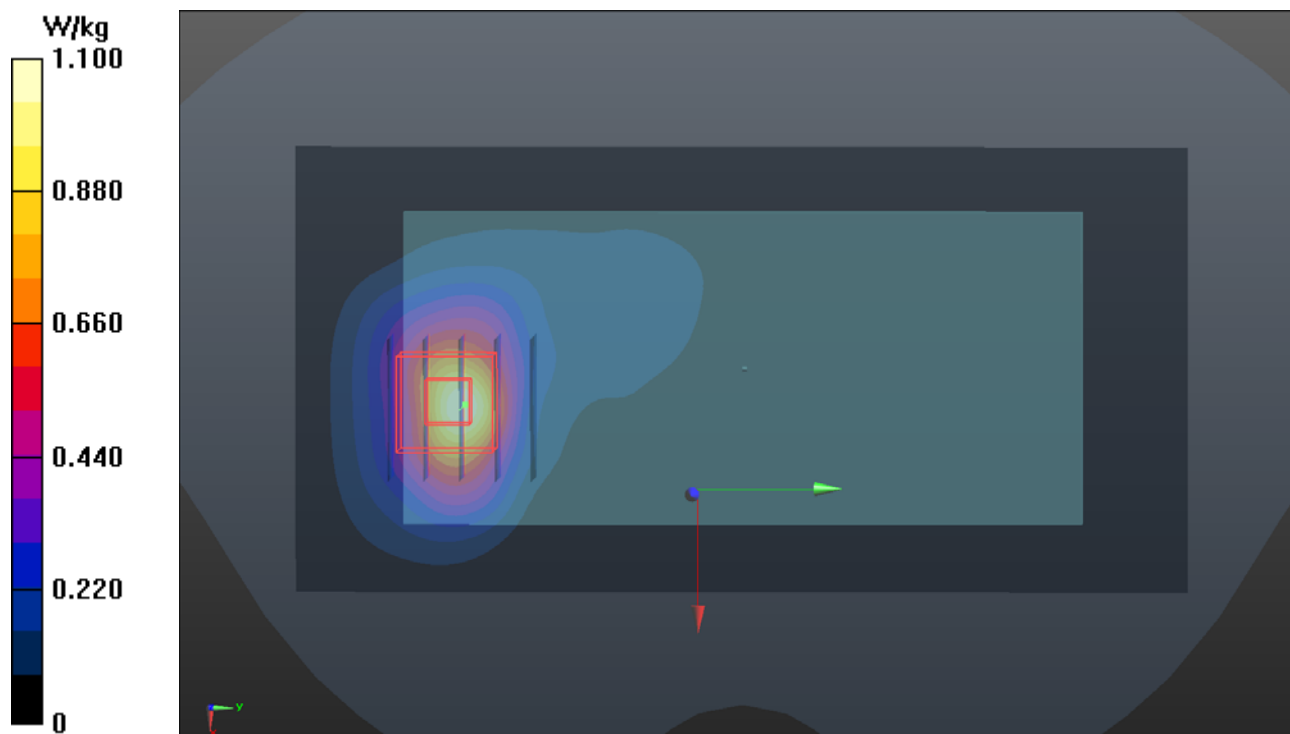
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 28.22 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 1.45 W/kg

**SAR(1 g) = 0.857 W/kg; SAR(10 g) = 0.465 W/kg**

Maximum value of SAR (measured) = 1.19 W/kg



### P45 LTE 71\_QPSK20\_Rear Face\_10mm\_Ch133372\_1RB\_OS0\_Sample1\_Ant1

**DUT: 181001C20**

Communication System: LTE; Frequency: 688 MHz; Duty Cycle: 1:1

Medium: B06T09N1\_1113 Medium parameters used:  $f = 688 \text{ MHz}$ ;  $\sigma = 0.938 \text{ S/m}$ ;  $\epsilon_r = 57.333$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 23.7 °C ; Liquid Temperature : 23.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(9.91, 9.91, 9.91); Calibrated: 2018/07/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2018/08/27
- Phantom: Twin SAM Phantom\_1822; Type: QD000P40CD;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

- **Area Scan (71x141x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.228 W/kg

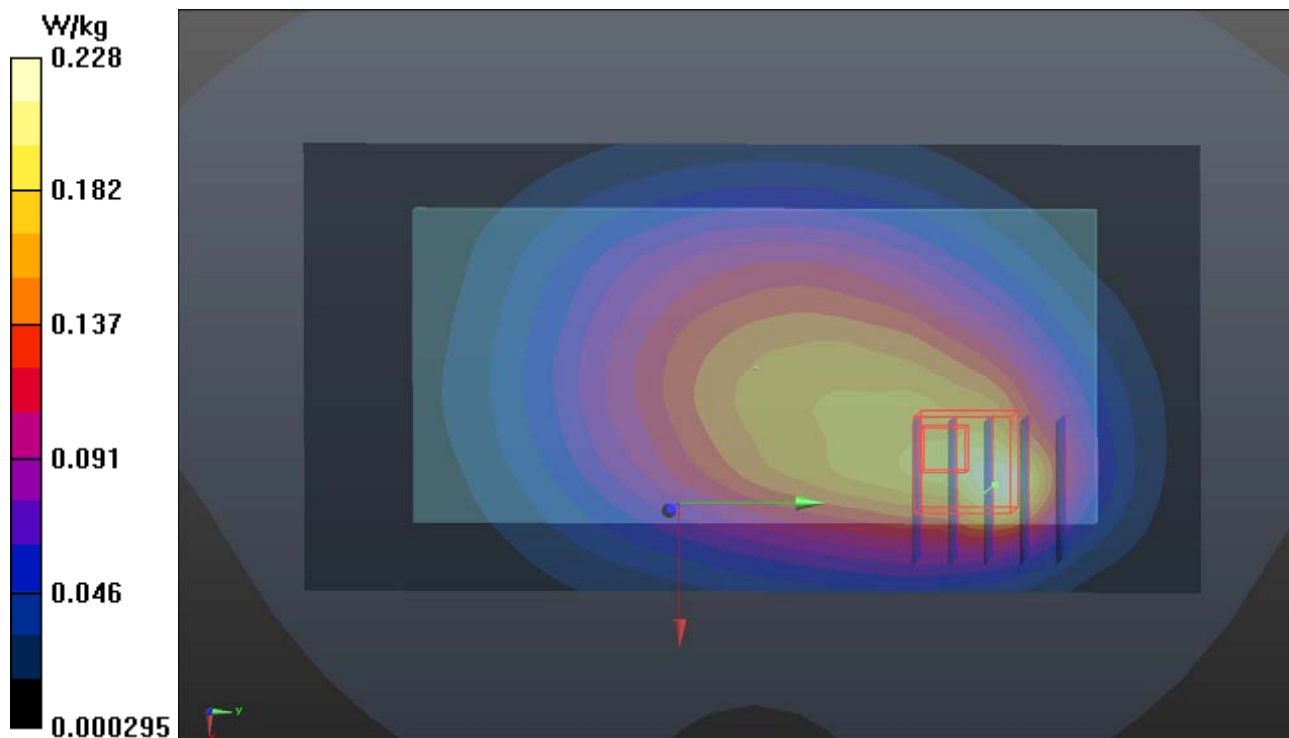
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 14.59 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.233 W/kg

**SAR(1 g) = 0.142 W/kg; SAR(10 g) = 0.098 W/kg**

Maximum value of SAR (measured) = 0.185 W/kg



### P46 WLAN2.4G\_802.11b\_Rera Face\_10mm\_Ch6\_Sample1\_Ant0

**DUT: 181001C20**

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

Medium: B19T27N1\_1028 Medium parameters used:  $f = 2437$  MHz;  $\sigma = 2.012$  S/m;  $\epsilon_r = 52.104$ ;  $\rho =$

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

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3971; ConvF(7.7, 7.7, 7.7); Calibrated: 2018/03/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1431; Calibrated: 2018/03/16
- Phantom: Twin SAM Phantom\_1652; 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) = 0.332 W/kg

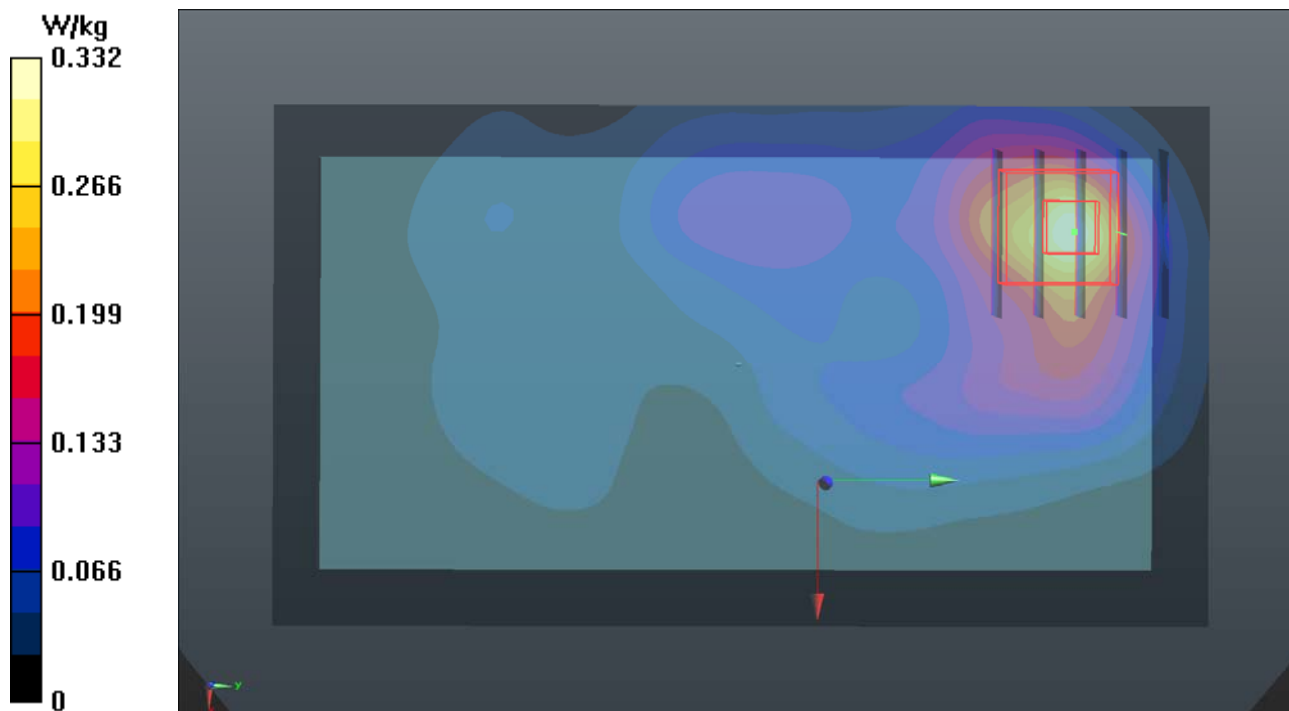
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.09 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.381 W/kg

**SAR(1 g) = 0.226 W/kg; SAR(10 g) = 0.094 W/kg**

Maximum value of SAR (measured) = 0.343 W/kg



### P47 WLAN5.3G\_802.11ac VHT80\_Rera Face\_10mm\_Ch58\_Sample1\_Ant1

**DUT: 181001C20**

Communication System: WLAN\_5G; Frequency: 5290 MHz; Duty Cycle: 1:1.08

Medium: B34T60N1\_1028 Medium parameters used:  $f = 5290$  MHz;  $\sigma = 5.523$  S/m;  $\epsilon_r = 47.092$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3971; ConvF(4.59, 4.59, 4.59); Calibrated: 2018/03/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1431; Calibrated: 2018/03/16
- Phantom: Twin SAM Phantom\_1652; Type: QD000P40;
- 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) = 1.23 W/kg

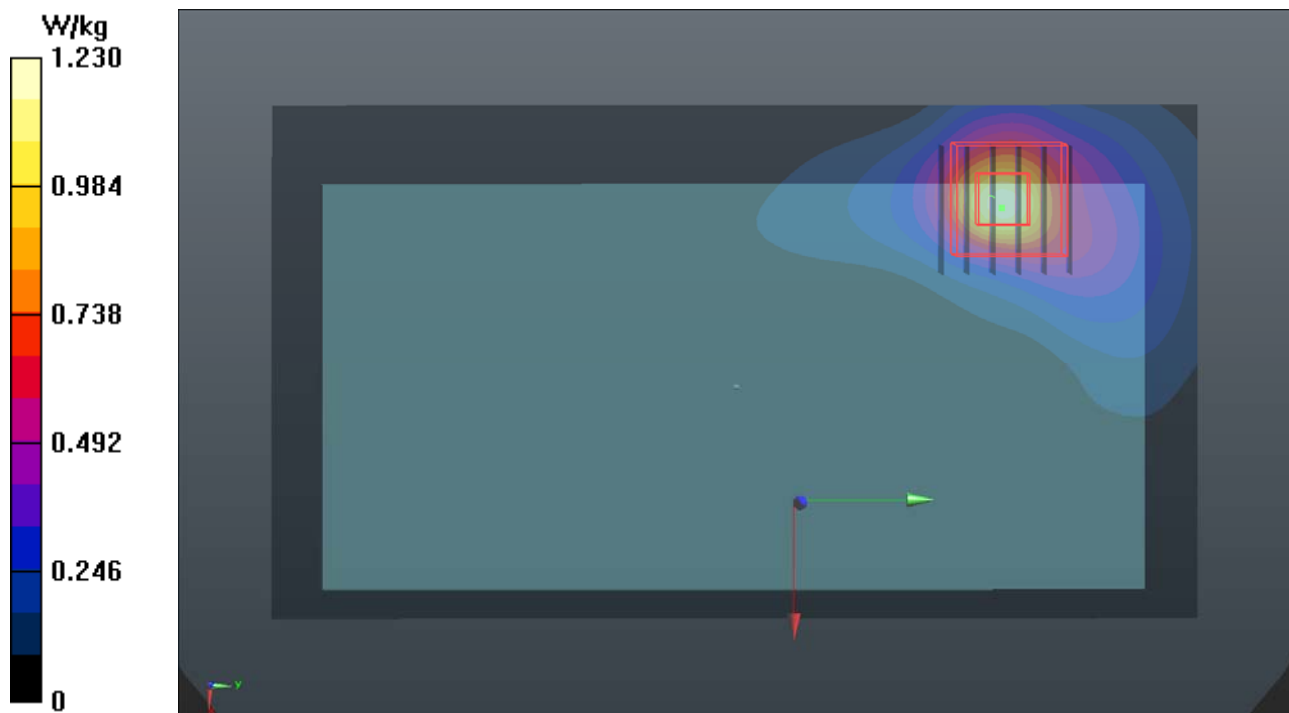
- **Zoom Scan (6x6x12)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=2mm

Reference Value = 16.81 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 1.92 W/kg

**SAR(1 g) = 0.575 W/kg; SAR(10 g) = 0.204 W/kg**

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





### P48 WLAN5.6G\_802.11ac VHT80\_Rear Face\_10mm\_Ch106\_Sample1\_Ant0

**DUT: 181001C20**

Communication System: WLAN\_5G; Frequency: 5530 MHz; Duty Cycle: 1:1.08

Medium: B34T60N1\_1109 Medium parameters used:  $f = 5530$  MHz;  $\sigma = 5.805$  S/m;  $\epsilon_r = 46.679$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3971; ConvF(4.08, 4.08, 4.08); Calibrated: 2018/03/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1431; Calibrated: 2018/03/16
- 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) = 1.39 W/kg

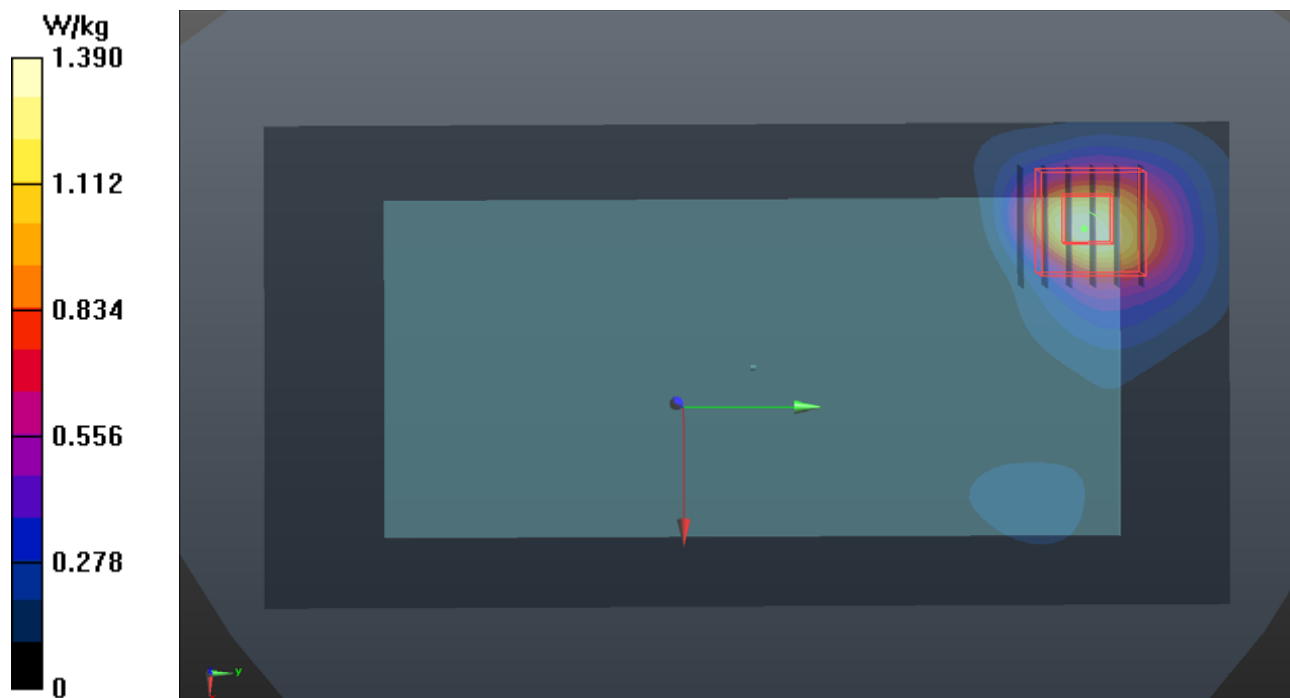
- **Zoom Scan (6x6x12)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=2mm

Reference Value = 15.46 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 2.49 W/kg

**SAR(1 g) = 0.612 W/kg; SAR(10 g) = 0.228 W/kg**

Maximum value of SAR (measured) = 1.54 W/kg



### P49 WLAN5.8G\_802.11ac VHT80\_Rear Face\_10mm\_Ch155\_Sample1\_Ant0+1

**DUT: 181001C20**

Communication System: WLAN\_5G; Frequency: 5775 MHz; Duty Cycle: 1:1.08

Medium: B34T60N2\_1112 Medium parameters used:  $f = 5775$  MHz;  $\sigma = 6.17$  S/m;  $\epsilon_r = 47.201$ ;  $\rho = 1000$  kg/m<sup>3</sup>

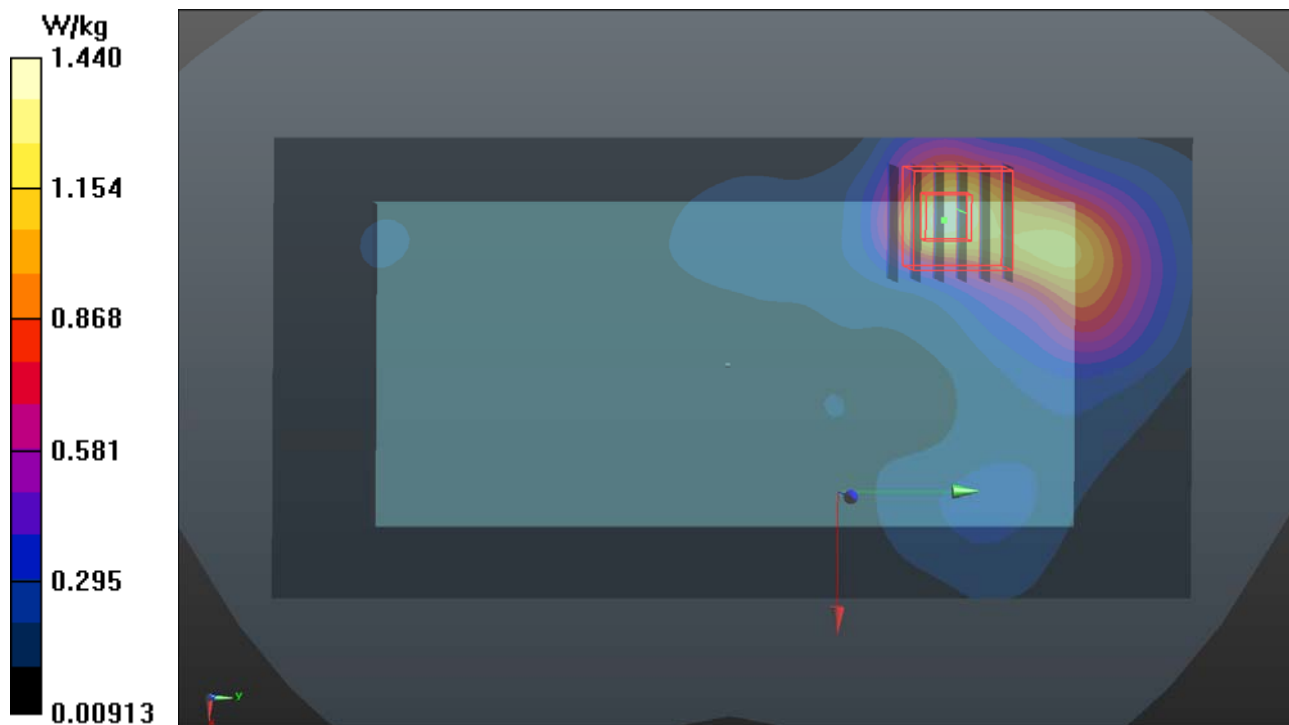
Ambient Temperature : 23.7 °C ; Liquid Temperature : 23.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(4.6, 4.6, 4.6); Calibrated: 2018/07/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2018/08/27
- Phantom: Twin SAM Phantom\_1822; Type: QD000P40CD;
- 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) = 1.44 W/kg

- **Zoom Scan (6x6x12)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=2mm  
Reference Value = 15.73 V/m; Power Drift = 0.17 dB  
Peak SAR (extrapolated) = 2.40 W/kg  
**SAR(1 g) = 0.595 W/kg; SAR(10 g) = 0.230 W/kg**  
Maximum value of SAR (measured) = 1.31 W/kg



### P50 BT\_BDR\_Rera Face\_10mm\_Ch0\_Sample1\_Ant0

#### DUT: 181001C20

Communication System: BT; Frequency: 2402 MHz; Duty Cycle: 1:1.3

Medium: B19T27N1\_1028 Medium parameters used:  $f = 2402$  MHz;  $\sigma = 1.974$  S/m;  $\epsilon_r = 52.226$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

#### DASY5 Configuration:

- Probe: EX3DV4 - SN3971; ConvF(7.7, 7.7, 7.7); Calibrated: 2018/03/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1431; Calibrated: 2018/03/16
- Phantom: Twin SAM Phantom\_1652; 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) = 0.0553 W/kg

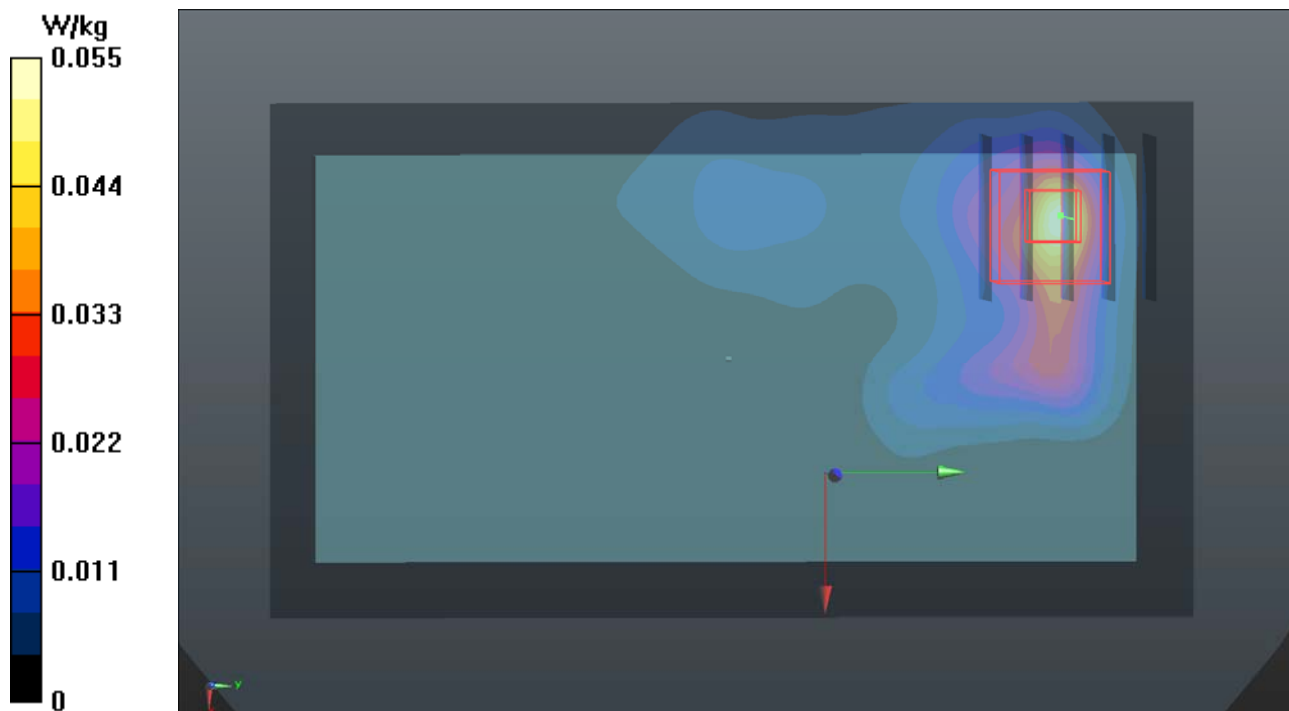
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.909 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.0490 W/kg

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

Maximum value of SAR (measured) = 0.0402 W/kg



## P51 GSM1900\_GPRS12\_Bottom Side\_10mm\_Ch810\_Sample1\_Ant0

**DUT: 181001C20**

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

Medium: B16T20N1\_1113 Medium parameters used:  $f = 1910$  MHz;  $\sigma = 1.592$  S/m;  $\epsilon_r = 53.393$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3898; ConvF(7.97, 7.97, 7.97); 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 (61x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.559 W/kg

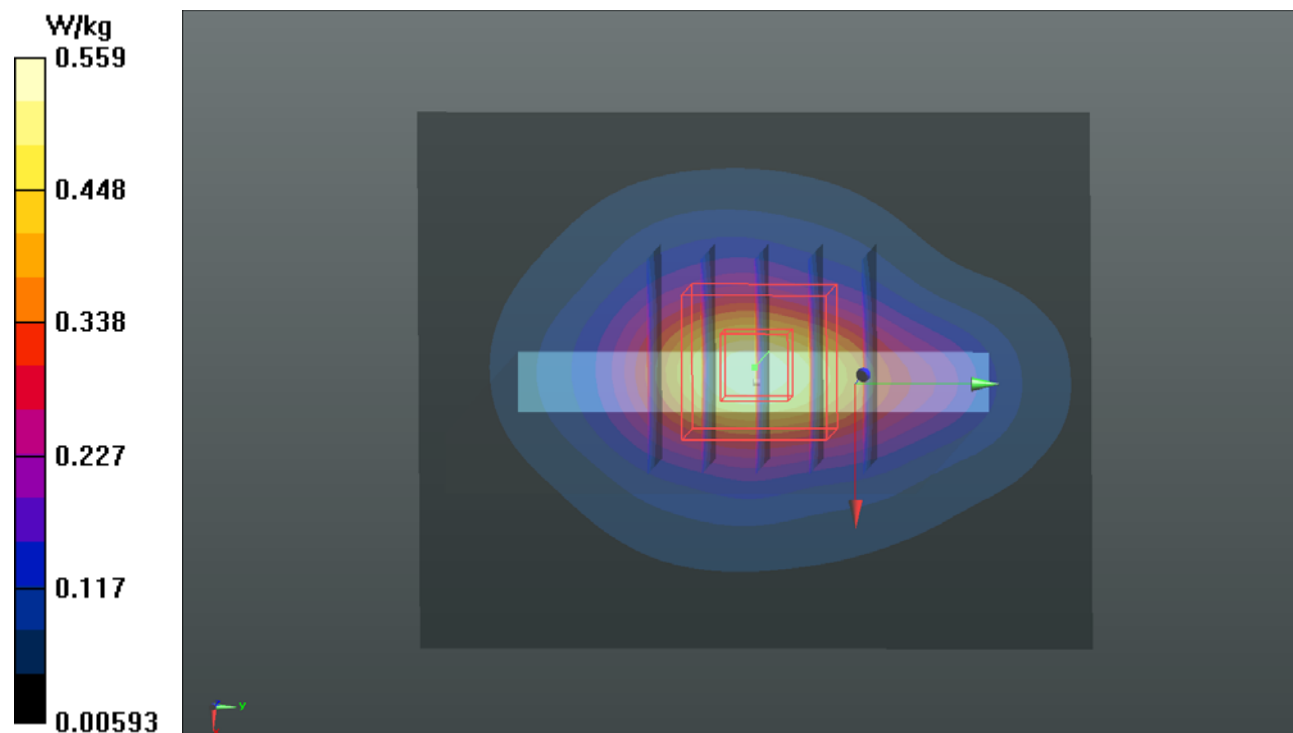
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.80 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.606 W/kg

**SAR(1 g) = 0.359 W/kg; SAR(10 g) = 0.200 W/kg**

Maximum value of SAR (measured) = 0.523 W/kg



## P52 WCDMA II\_RMC12.2K\_Bottom Side\_10mm\_Ch9538\_Sample1\_Ant0

**DUT: 181001C20**

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

Medium: B16T20N1\_1113 Medium parameters used:  $f = 1908 \text{ MHz}$ ;  $\sigma = 1.59 \text{ S/m}$ ;  $\epsilon_r = 53.394$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature :  $23.6 \text{ }^\circ\text{C}$  ; Liquid Temperature :  $23.3 \text{ }^\circ\text{C}$

DASY5 Configuration:

- Probe: EX3DV4 - SN3898; ConvF(7.97, 7.97, 7.97); 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 (61x71x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) =  $0.694 \text{ W/kg}$

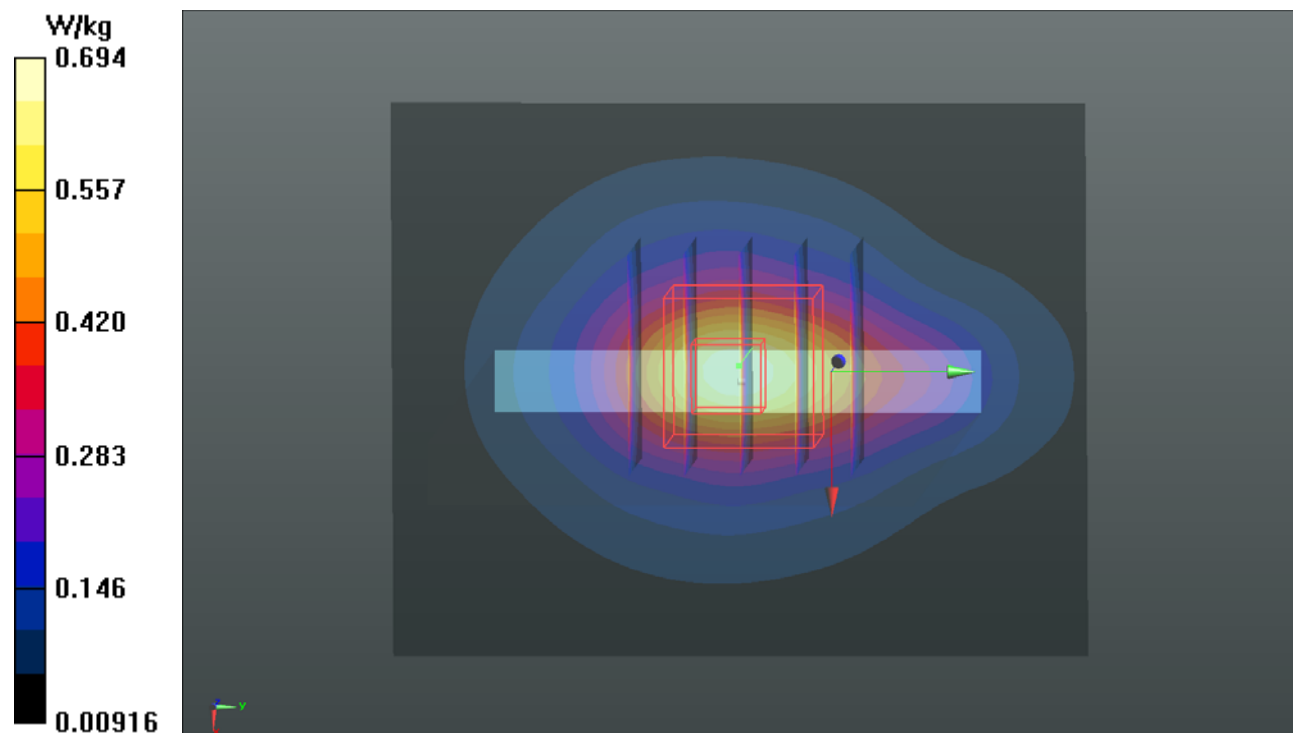
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value =  $19.75 \text{ V/m}$ ; Power Drift =  $0.10 \text{ dB}$

Peak SAR (extrapolated) =  $0.957 \text{ W/kg}$

**SAR(1 g) =  $0.581 \text{ W/kg}$ ; SAR(10 g) =  $0.327 \text{ W/kg}$**

Maximum value of SAR (measured) =  $0.816 \text{ W/kg}$



### P53 WCDMA IV\_RMC12.2K\_Bottom Side\_10mm\_Ch1413\_Sample1\_Ant0

**DUT: 181001C20**

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

Medium: B16T20N1\_1113 Medium parameters used:  $f = 1733$  MHz;  $\sigma = 1.417$  S/m;  $\epsilon_r = 53.866$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3898; ConvF(8.28, 8.28, 8.28); 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 (61x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.67 W/kg

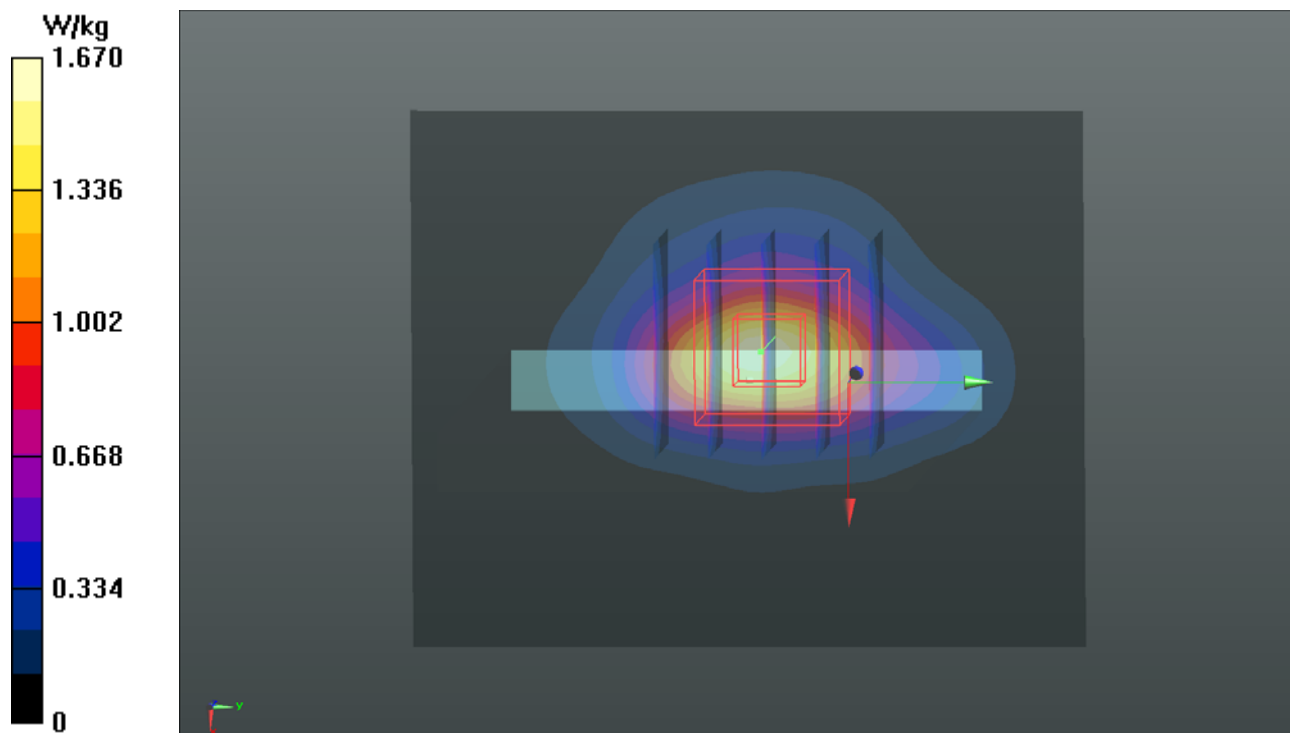
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 31.66 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 1.84 W/kg

**SAR(1 g) = 0.905 W/kg; SAR(10 g) = 0.517 W/kg**

Maximum value of SAR (measured) = 1.60 W/kg



### P54 CDMA BC1\_RTAP153.6\_Bottom Side\_10mm\_Ch25\_Sample1\_Ant0

**DUT: 181001C20**

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

Medium: B16T20N1\_1113 Medium parameters used:  $f = 1851.25$  MHz;  $\sigma = 1.538$  S/m;  $\epsilon_r = 53.535$ ;

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

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3898; ConvF(7.97, 7.97, 7.97); 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 (61x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

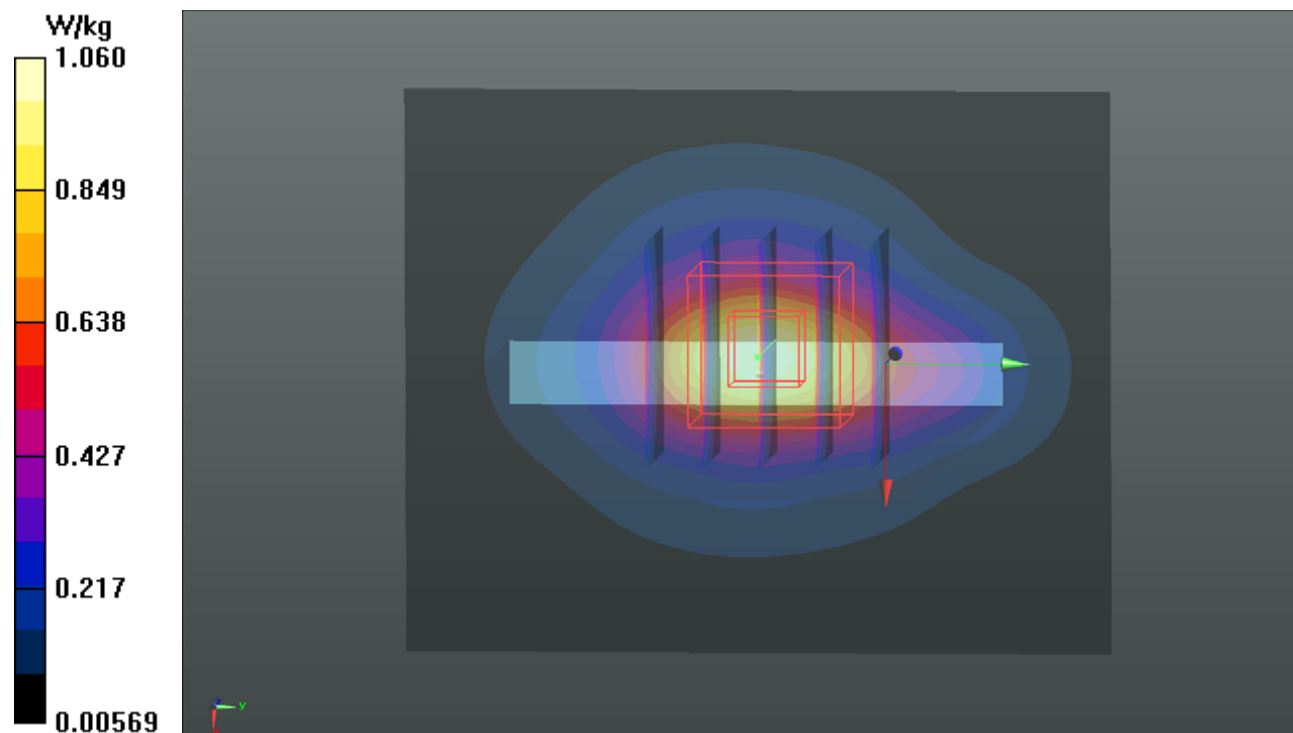
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 24.90 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 1.15 W/kg

**SAR(1 g) = 0.682 W/kg; SAR(10 g) = 0.378 W/kg**

Maximum value of SAR (measured) = 0.994 W/kg



### P55 LTE 25\_QPSK20M\_Bottom Side\_10mm\_Ch26140\_1RB\_OS0\_Sample1\_Ant0

**DUT: 181001C20**

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

Medium: B16T20N1\_1113 Medium parameters used:  $f = 1860$  MHz;  $\sigma = 1.546$  S/m;  $\epsilon_r = 53.509$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3898; ConvF(7.97, 7.97, 7.97); 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 (61x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.18 W/kg

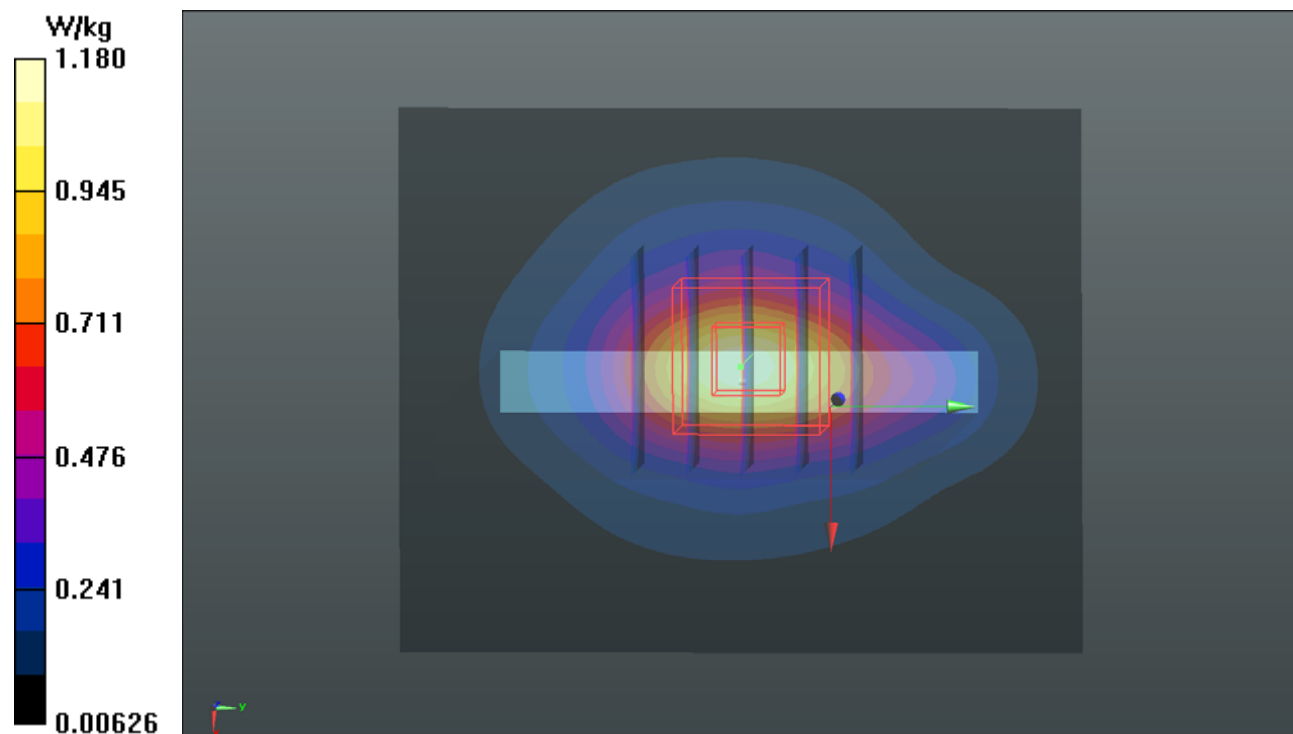
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 25.85 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 1.27 W/kg

**SAR(1 g) = 0.757 W/kg; SAR(10 g) = 0.420 W/kg**

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





### P56 WLAN5.2G\_802.11ac VHT80\_Rear Face\_10mm\_Ch42\_Sample1\_Ant0+1

**DUT: 181001C20**

Communication System: WLAN\_5G; Frequency: 5210 MHz; Duty Cycle: 1:1.08

Medium: B34T60N1\_1109 Medium parameters used:  $f = 5210$  MHz;  $\sigma = 5.401$  S/m;  $\epsilon_r = 47.247$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3971; ConvF(4.59, 4.59, 4.59); Calibrated: 2018/03/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1431; Calibrated: 2018/03/16
- 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) = 0.972 W/kg

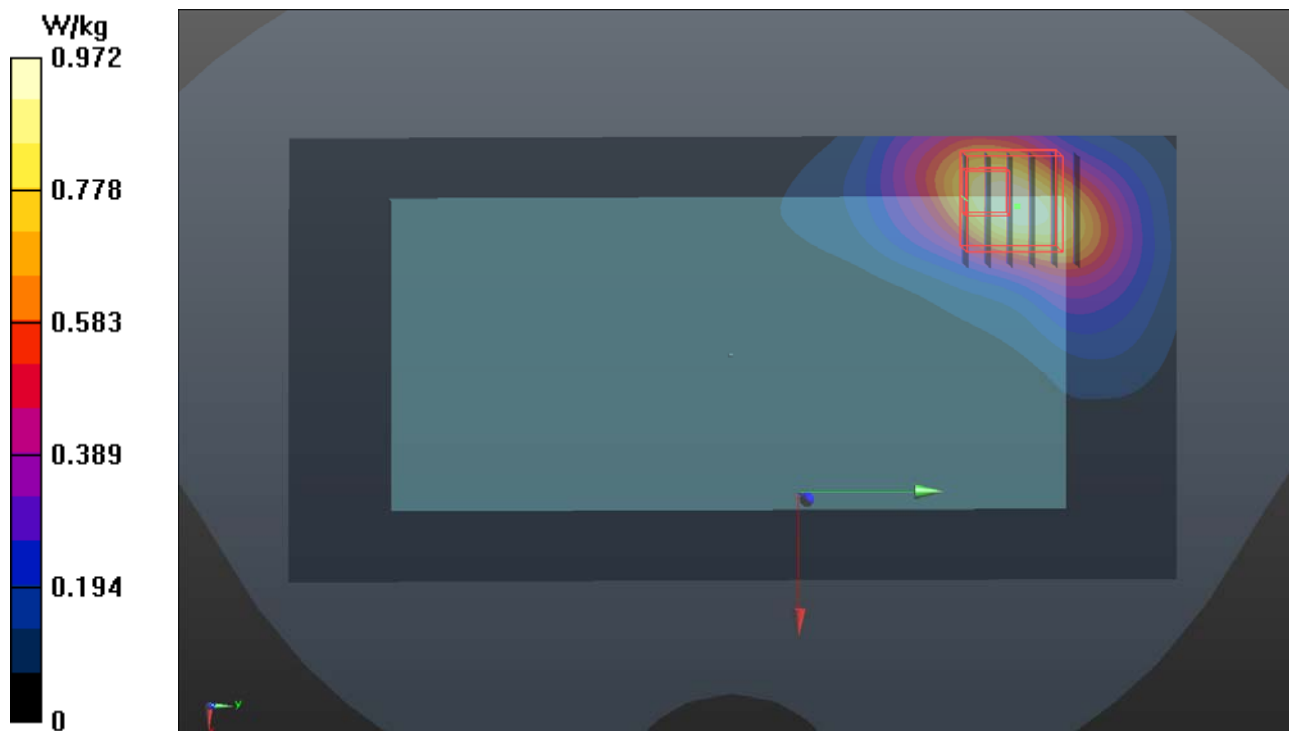
- **Zoom Scan (6x6x12)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=2mm

Reference Value = 14.64 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 1.90 W/kg

**SAR(1 g) = 0.556 W/kg; SAR(10 g) = 0.212 W/kg**

Maximum value of SAR (measured) = 1.20 W/kg



### P57 WLAN5.3G\_802.11ac VHT80\_Rear Face\_0mm\_Ch58\_Sample1\_Ant1

**DUT: 181001C20**

Communication System: WLAN\_5G; Frequency: 5290 MHz; Duty Cycle: 1:1.08

Medium: B34T60N2\_1112 Medium parameters used:  $f = 5290$  MHz;  $\sigma = 5.536$  S/m;  $\epsilon_r = 47.959$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.7 °C ; Liquid Temperature : 23.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(4.85, 4.85, 4.85); Calibrated: 2018/07/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2018/08/27
- Phantom: Twin SAM Phantom\_1822; Type: QD000P40CD;
- 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) = 8.71 W/kg

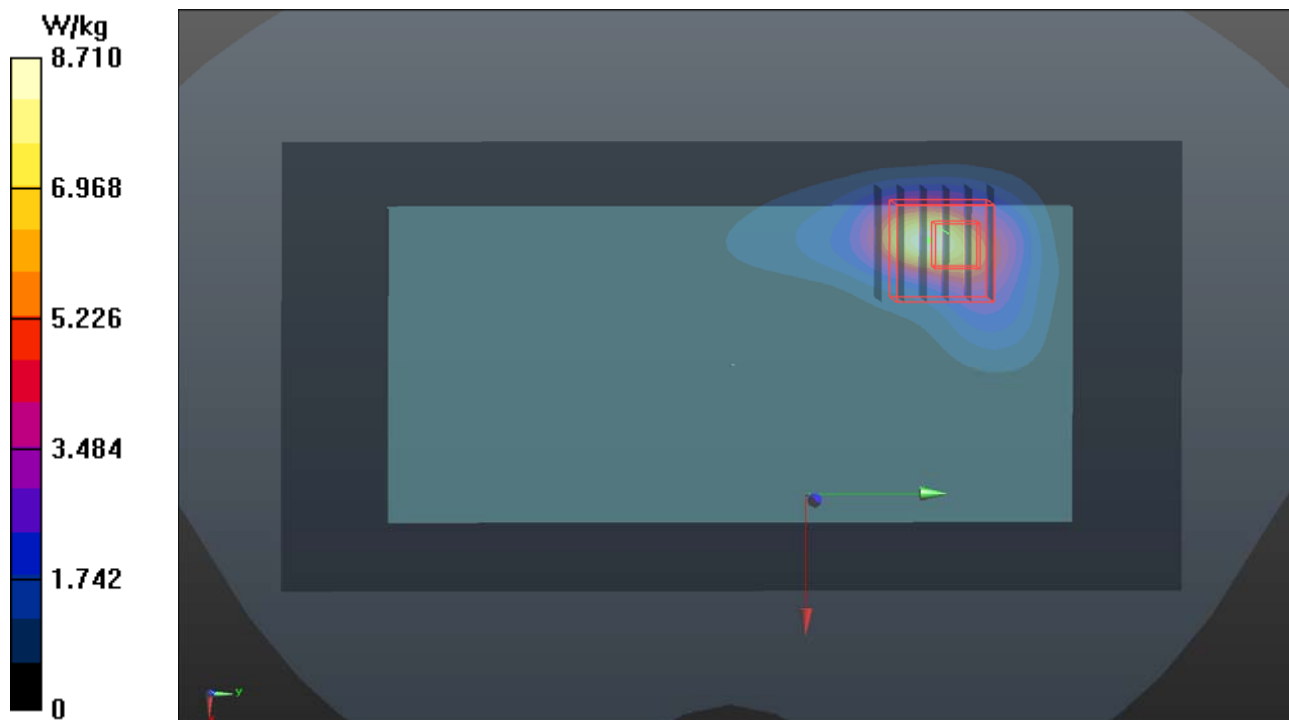
- **Zoom Scan (6x6x12)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=2mm

Reference Value = 43.23 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 24.1 W/kg

**SAR(1 g) = 5.24 W/kg; SAR(10 g) = 1.41 W/kg**

Maximum value of SAR (measured) = 12.4 W/kg



### P58 WLAN5.6G\_802.11ac VHT80\_Rear Face\_0mm\_Ch138\_Sample1\_Ant0+1

**DUT: 181001C20**

Communication System: WLAN\_5G; Frequency: 5690 MHz; Duty Cycle: 1:1.08

Medium: B34T60N2\_1112 Medium parameters used:  $f = 5690$  MHz;  $\sigma = 6.066$  S/m;  $\epsilon_r = 47.36$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(4.6, 4.6, 4.6); Calibrated: 2018/07/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2018/08/27
- Phantom: Twin SAM Phantom\_1822; Type: QD000P40CD;
- 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) = 7.29 W/kg

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

Reference Value = 37.88 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 28.9 W/kg

**SAR(1 g) = 5.93 W/kg; SAR(10 g) = 1.59 W/kg**

Maximum value of SAR (measured) = 15.9 W/kg

