

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: 180920C23

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

Medium: H07T10N2_1108 Medium parameters used: $f = 836.4$ MHz; $\sigma = 0.906$ S/m; $\epsilon_r = 43.078$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.6 °C ; Liquid Temperature : 23.4 °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 (71x141x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.02 W/kg

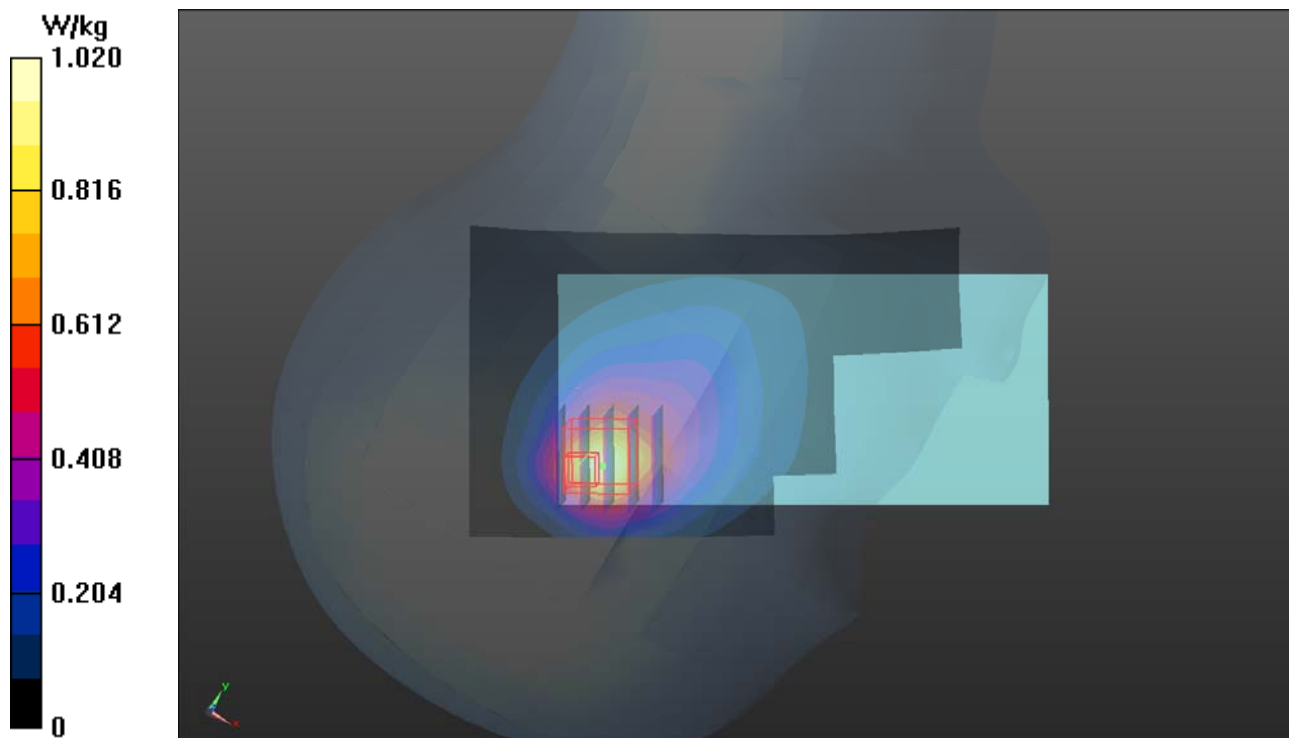
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 32.31 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 1.29 W/kg

SAR(1 g) = 0.601 W/kg; SAR(10 g) = 0.348 W/kg

Maximum value of SAR (measured) = 0.905 W/kg



P02 GSM1900_GPRS12_Right Tilted_Ch810_Sample1_Ant1

DUT: 180920C23

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

Medium: H16T20N2_1108 Medium parameters used: $f = 1910$ MHz; $\sigma = 1.47$ S/m; $\epsilon_r = 39.099$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.6 °C ; Liquid Temperature : 23.4 °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 (71x141x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.947 W/kg

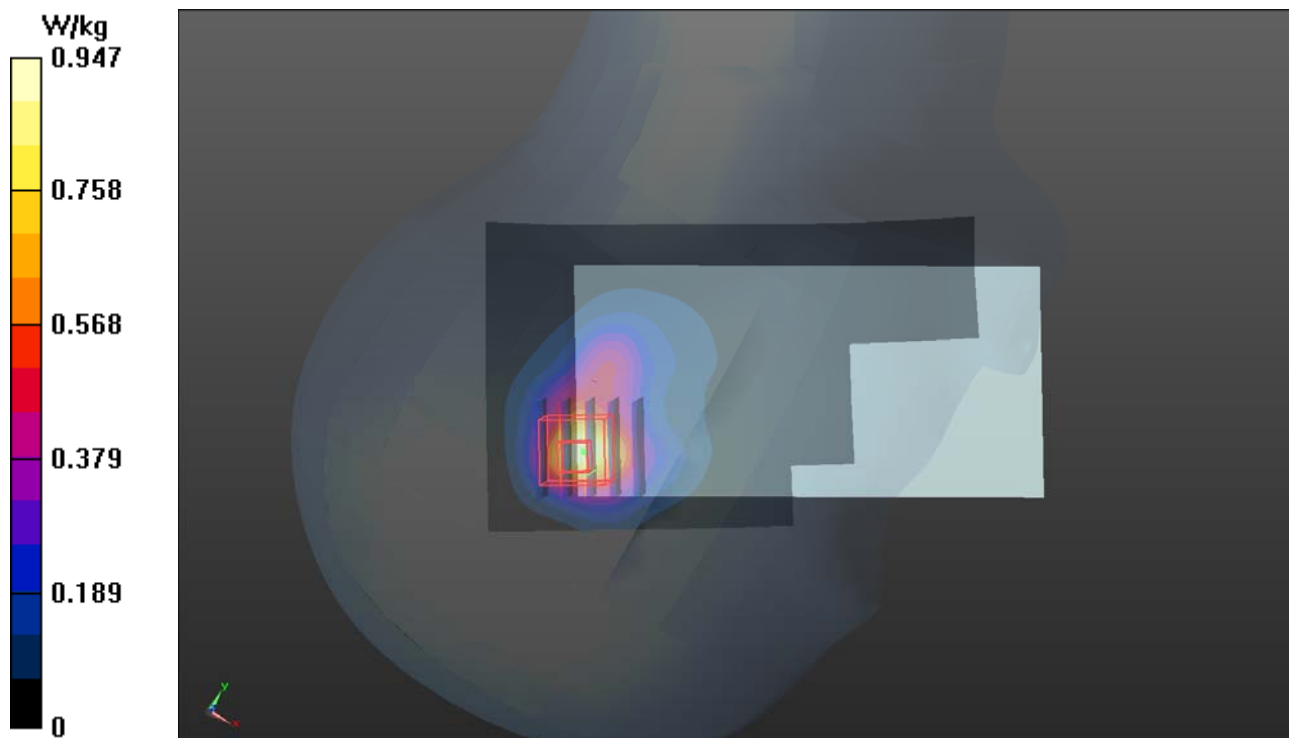
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

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

Peak SAR (extrapolated) = 1.68 W/kg

SAR(1 g) = 0.811 W/kg; SAR(10 g) = 0.364 W/kg

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



P03 WCDMA II_RMC12.2K_Right Tilted_Ch9400_Smapple1_Ant1

DUT: 180920C23

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

Medium: H16T20N1_1119 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.44$ S/m; $\epsilon_r = 39.905$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7472; ConvF(8.44, 8.44, 8.44); Calibrated: 2018/08/29
- 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 (71x141x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.33 W/kg

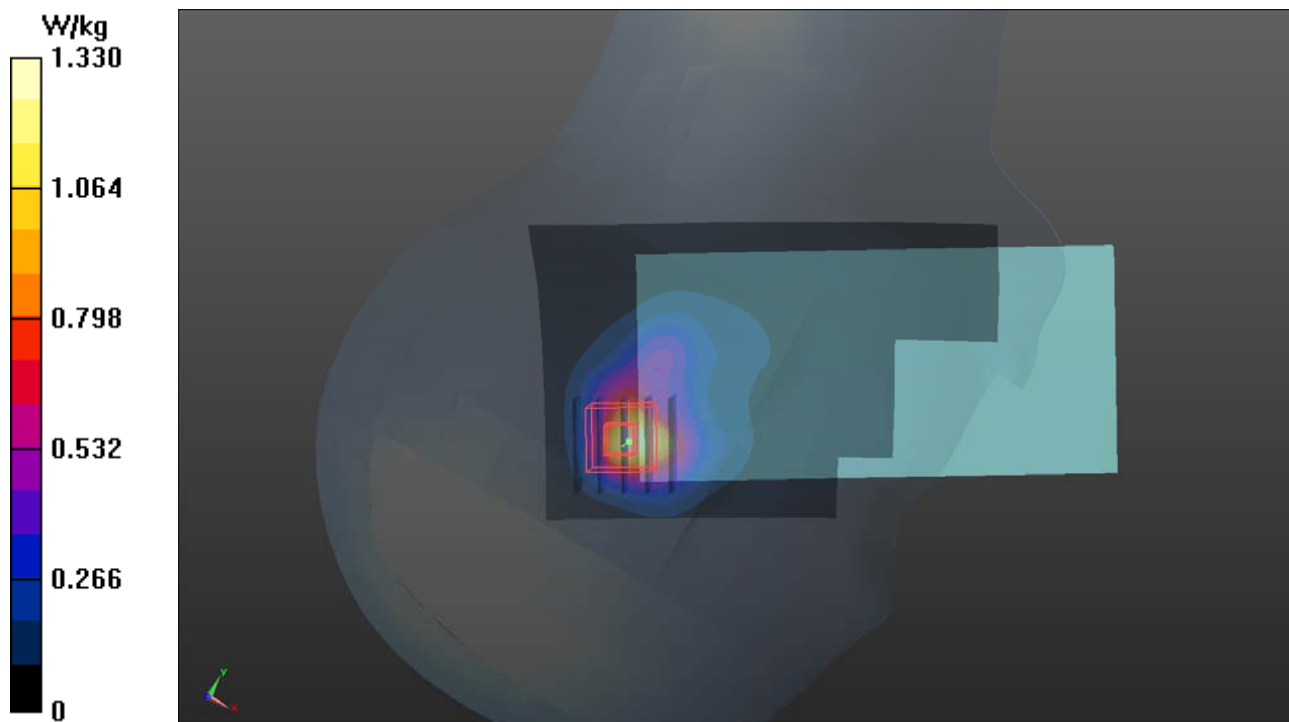
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 23.81 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 1.83 W/kg

SAR(1 g) = 0.881 W/kg; SAR(10 g) = 0.400 W/kg

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



P04 WCDMA IV_RMC12.2K_Right Tilted_Ch1513_Sample1_Ant1

DUT: 180920C23

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

Medium: H16T20N2_1108 Medium parameters used: $f = 1753$ MHz; $\sigma = 1.336$ S/m; $\epsilon_r = 39.663$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.6 °C ; Liquid Temperature : 23.4 °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) = 0.895 W/kg

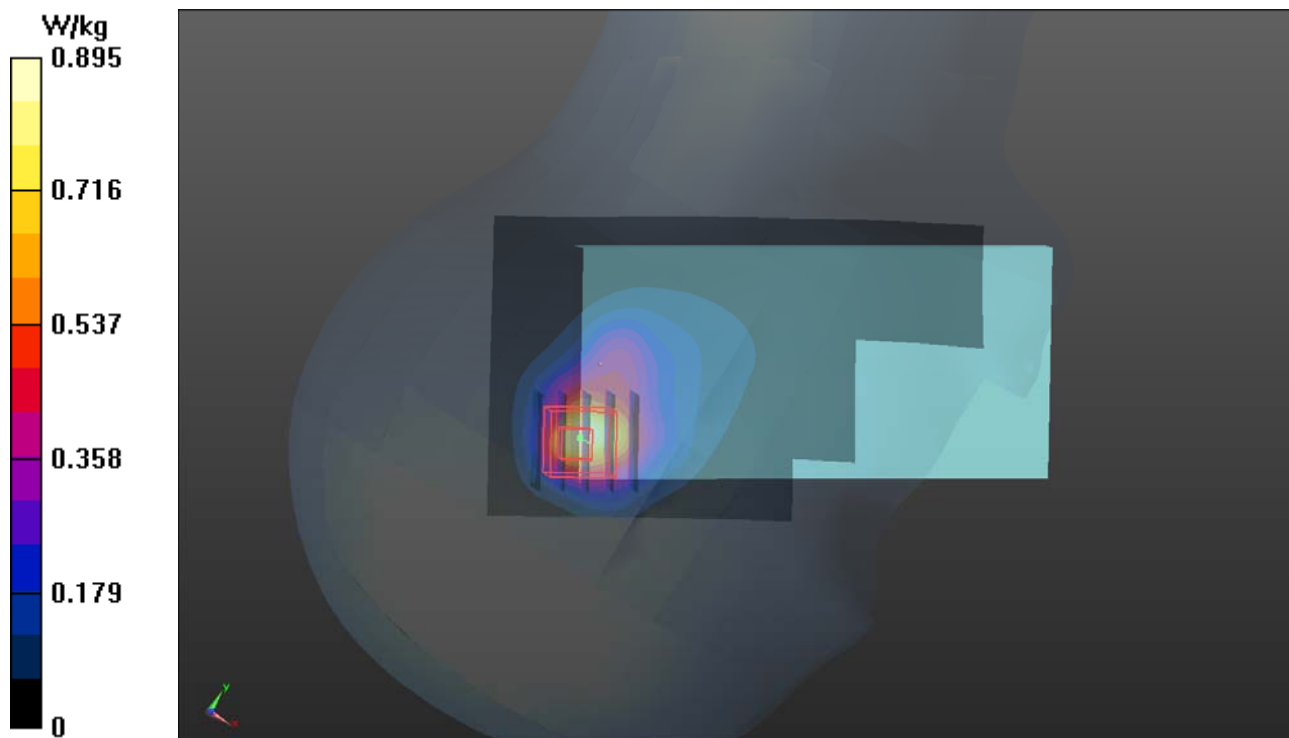
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 23.47 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 1.58 W/kg

SAR(1 g) = 0.760 W/kg; SAR(10 g) = 0.346 W/kg

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



P05 WCDMA V_RMC12.2K_Right Tilted_Ch4182_Sample1_Ant1

DUT: 180920C23

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

Medium: H07T10N2_1108 Medium parameters used: $f = 836.4$ MHz; $\sigma = 0.906$ S/m; $\epsilon_r = 43.078$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.6 °C ; Liquid Temperature : 23.4 °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 (71x141x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.568 W/kg

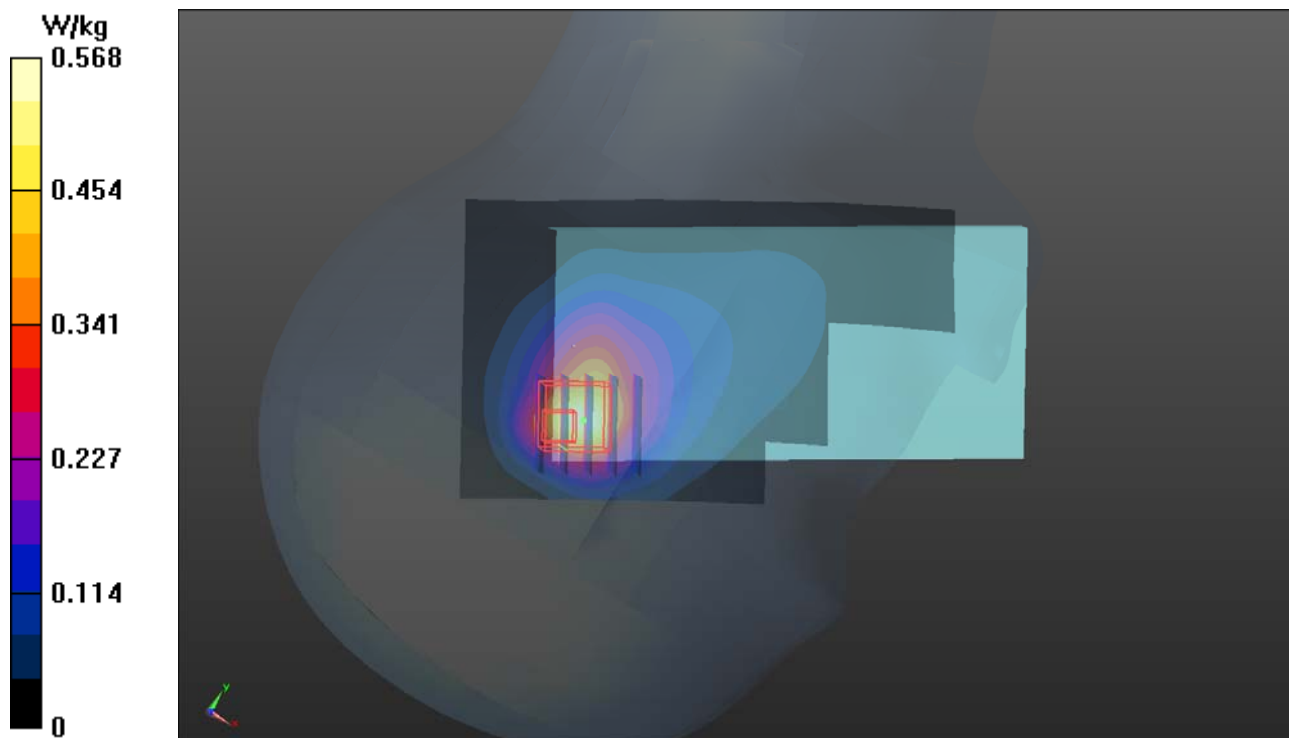
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 24.37 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.40 W/kg

SAR(1 g) = 0.493 W/kg; SAR(10 g) = 0.247 W/kg

Maximum value of SAR (measured) = 0.899 W/kg



P06 CDMA BC0_RC3+SO55_Right Cheek_Ch384_Sample1_Ant1

DUT: 180920C23

Communication System: CDMA2000; Frequency: 836.52 MHz; Duty Cycle: 1:1

Medium: H07T10N2_1108 Medium parameters used: $f = 837$ MHz; $\sigma = 0.906$ S/m; $\epsilon_r = 43.074$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.6 °C ; Liquid Temperature : 23.4 °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 (71x141x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.953 W/kg

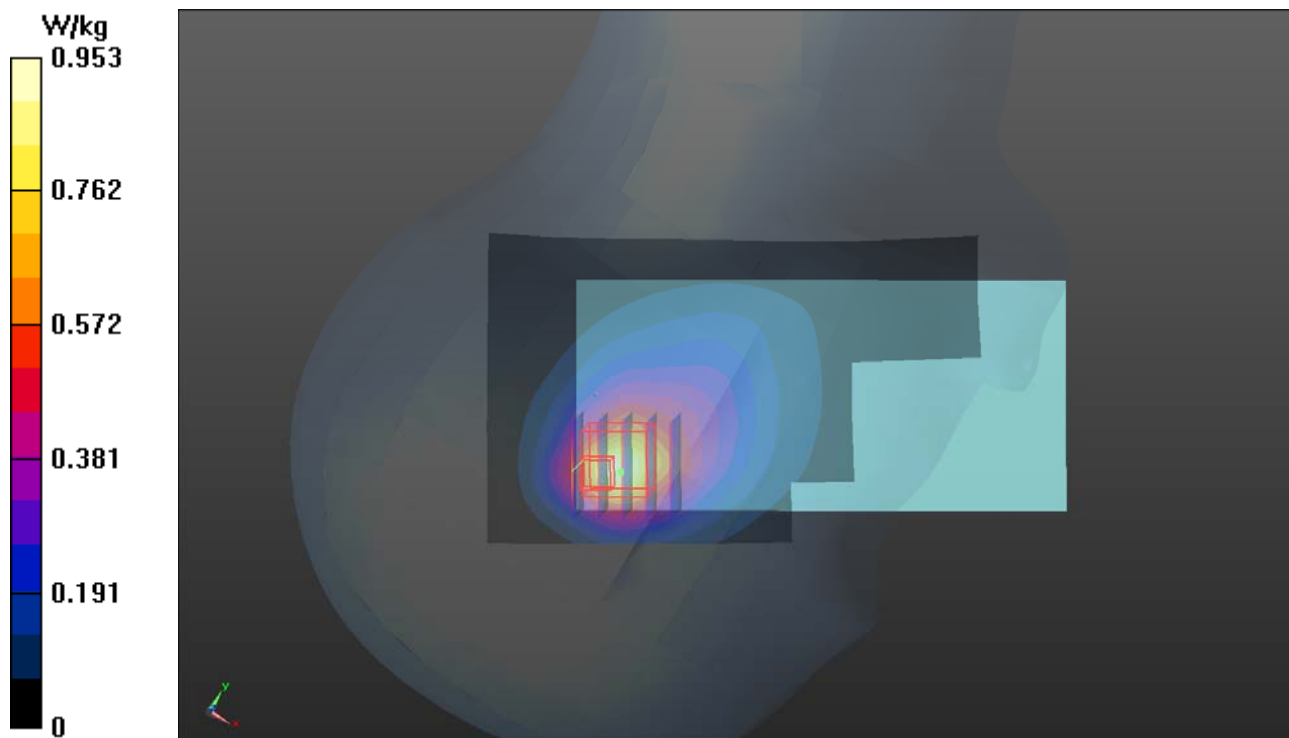
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 32.41 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 1.38 W/kg

SAR(1 g) = 0.638 W/kg; SAR(10 g) = 0.369 W/kg

Maximum value of SAR (measured) = 0.966 W/kg



P07 CDMA BC1_RC3+SO55_Right Tilted_Ch1175_Smample1_Ant1

DUT: 180920C23

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

Medium: H16T20N1_1119 Medium parameters used: $f = 1909$ MHz; $\sigma = 1.466$ S/m; $\epsilon_r = 39.798$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7472; ConvF(8.44, 8.44, 8.44); Calibrated: 2018/08/29
- 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 (71x141x1)**: Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

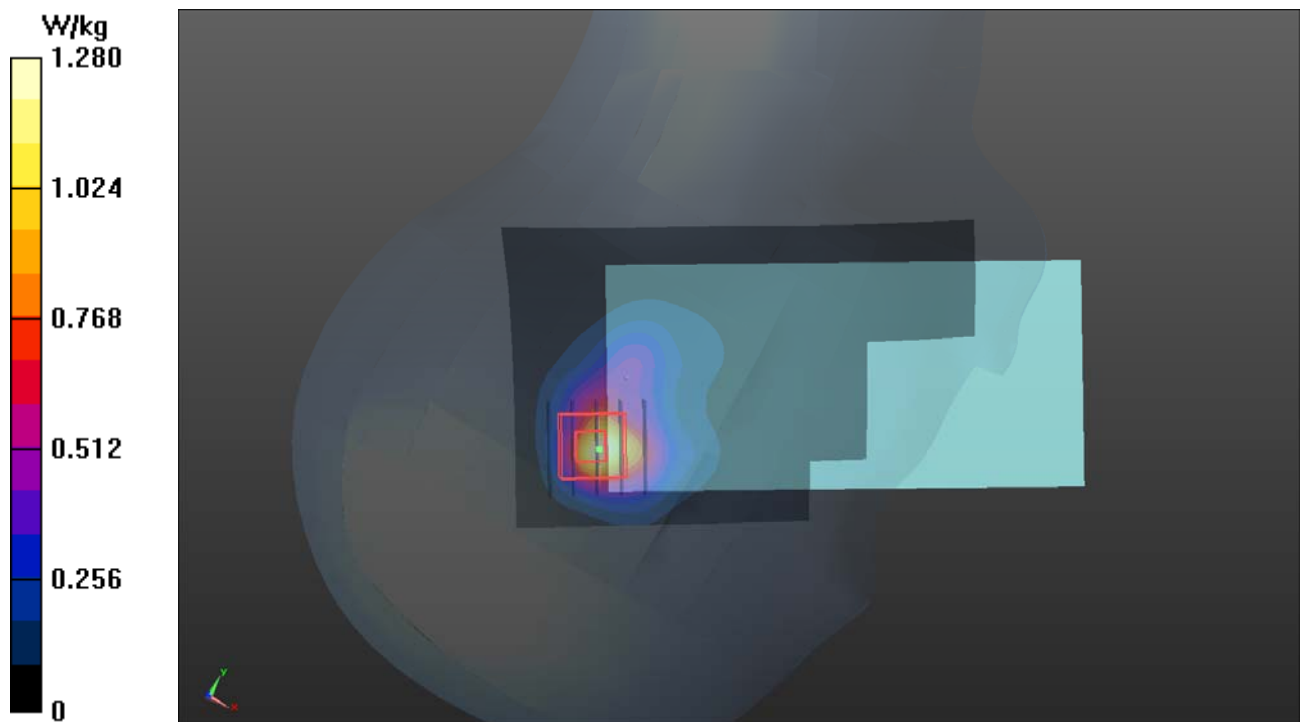
- **Zoom Scan (5x5x7)/Cube 0**: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 23.52 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 1.84 W/kg

SAR(1 g) = 0.969 W/kg; SAR(10 g) = 0.392 W/kg

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



P08 CDMA BC10_RC3+SO55_Right Cheek_Ch476_Sample1_Ant1

DUT: 180920C23

Communication System: CDMA2000; Frequency: 817.9 MHz; Duty Cycle: 1:1

Medium: H07T10N2_1108 Medium parameters used: $f = 818 \text{ MHz}$; $\sigma = 0.888 \text{ S/m}$; $\epsilon_r = 43.303$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : $23.6 \text{ }^\circ\text{C}$; Liquid Temperature : $23.4 \text{ }^\circ\text{C}$

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

Maximum value of SAR (interpolated) = 0.880 W/kg

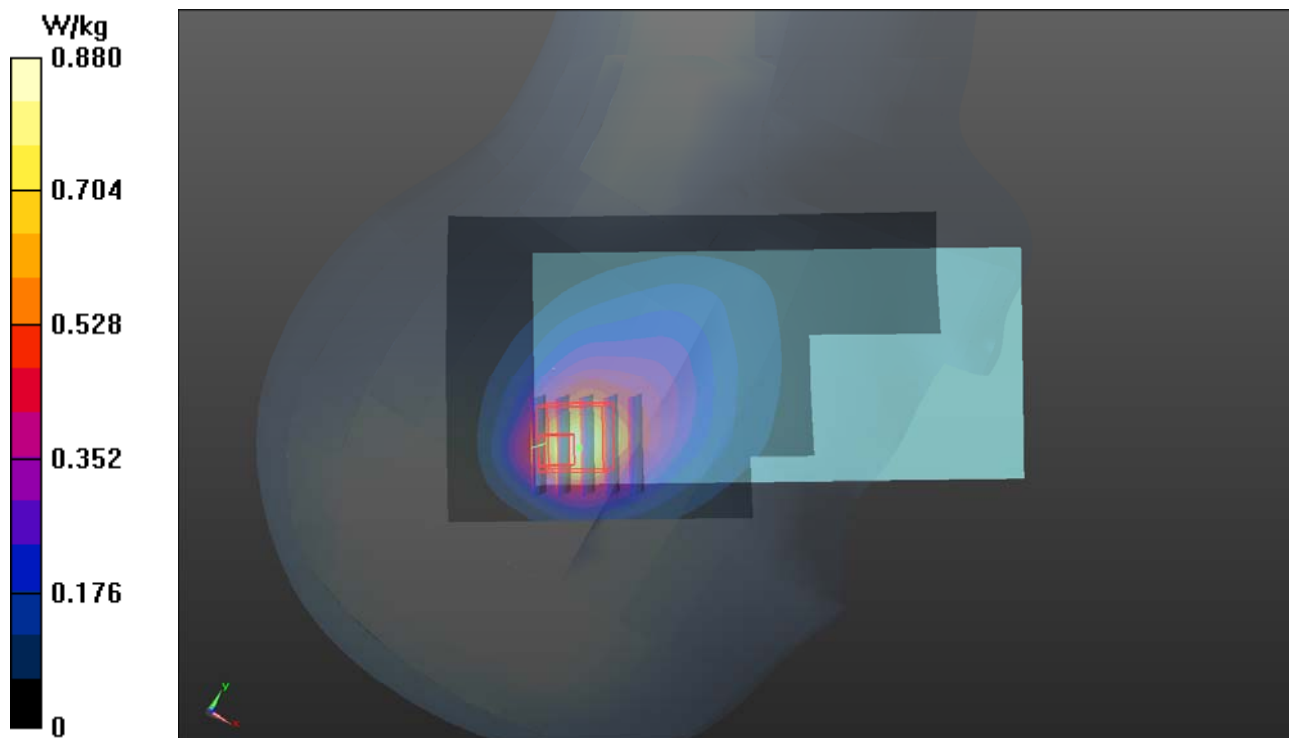
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 31.53 V/m ; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 1.32 W/kg

SAR(1 g) = 0.597 W/kg ; SAR(10 g) = 0.343 W/kg

Maximum value of SAR (measured) = 0.920 W/kg



P09 LTE 5_QPSK10M_Right Tilted_Ch20525_1RB_OS0_Sample1_Ant1

DUT: 180920C23

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

Medium: H07T10N1_1128 Medium parameters used: $f = 836.5$ MHz; $\sigma = 0.921$ S/m; $\epsilon_r = 41.741$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7472; ConvF(10.13, 10.13, 10.13); Calibrated: 2018/08/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1431; Calibrated: 2018/03/16
- Phantom: Twin SAM Phantom_1652; 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) = 1.03 W/kg

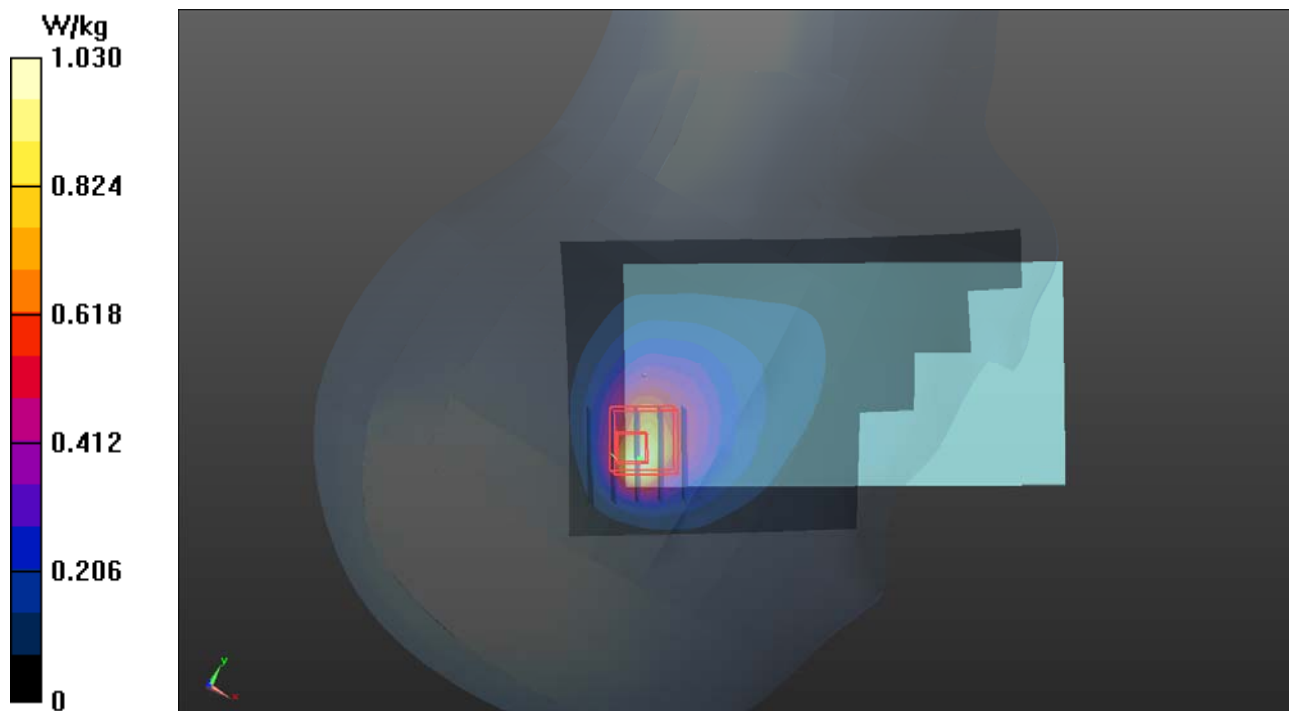
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 29.26 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 1.48 W/kg

SAR(1 g) = 0.593 W/kg; SAR(10 g) = 0.330 W/kg

Maximum value of SAR (measured) = 0.965 W/kg



P10 LTE 7_QPSK20M_Right Cheek_Ch20850_1RB_OS0_Sample1_Ant3

DUT: 180920C23

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

Medium: H19T27N1_1108 Medium parameters used: $f = 2510$ MHz; $\sigma = 1.955$ S/m; $\epsilon_r = 37.449$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.6 °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 (91x171x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 1.65 W/kg

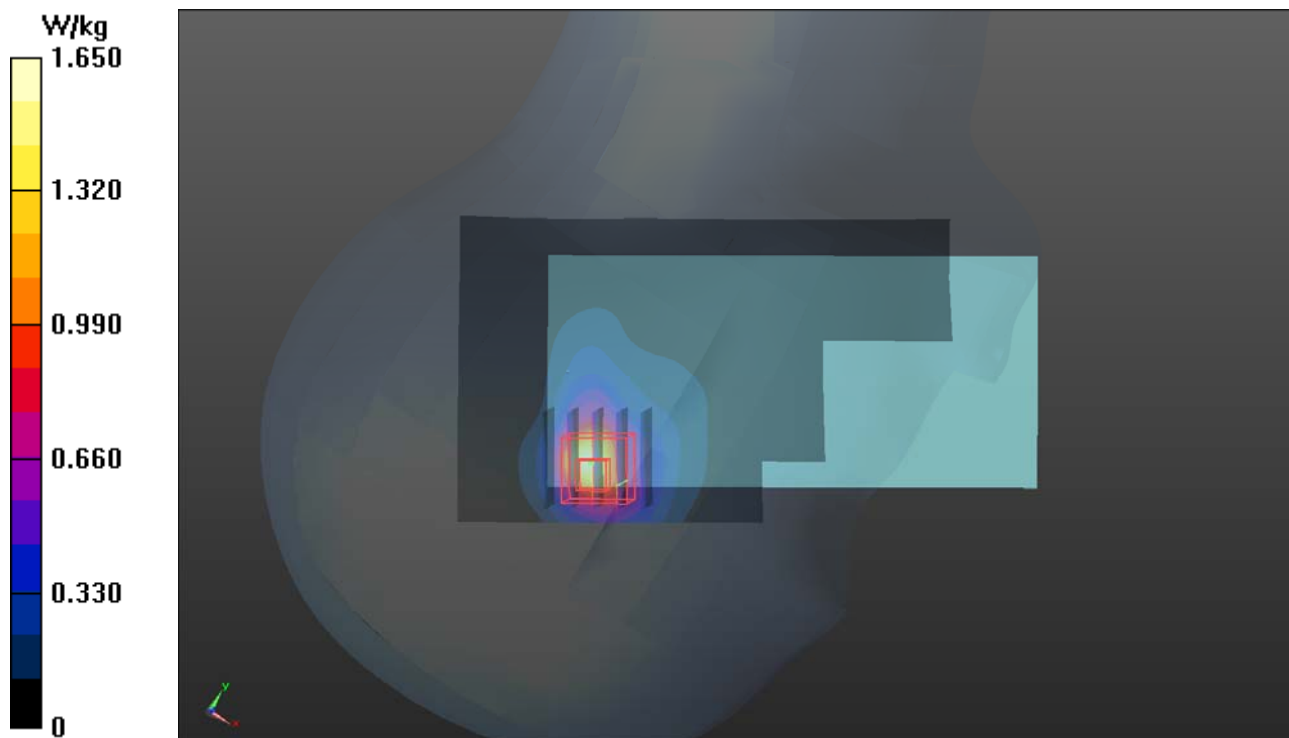
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 29.65 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 2.28 W/kg

SAR(1 g) = 1.05 W/kg; SAR(10 g) = 0.504 W/kg

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



P11 LTE 12_QPSK10M_Right Tilted_Ch23060_1RB_OS0_Sample1_Ant1

DUT: 180920C23

Communication System: LTE; Frequency: 704 MHz; Duty Cycle: 1:1

Medium: H06T09N1_1108 Medium parameters used: $f = 704 \text{ MHz}$; $\sigma = 0.845 \text{ S/m}$; $\epsilon_r = 43.028$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : $23.6 \text{ }^\circ\text{C}$; Liquid Temperature : $23.4 \text{ }^\circ\text{C}$

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) = 0.570 W/kg

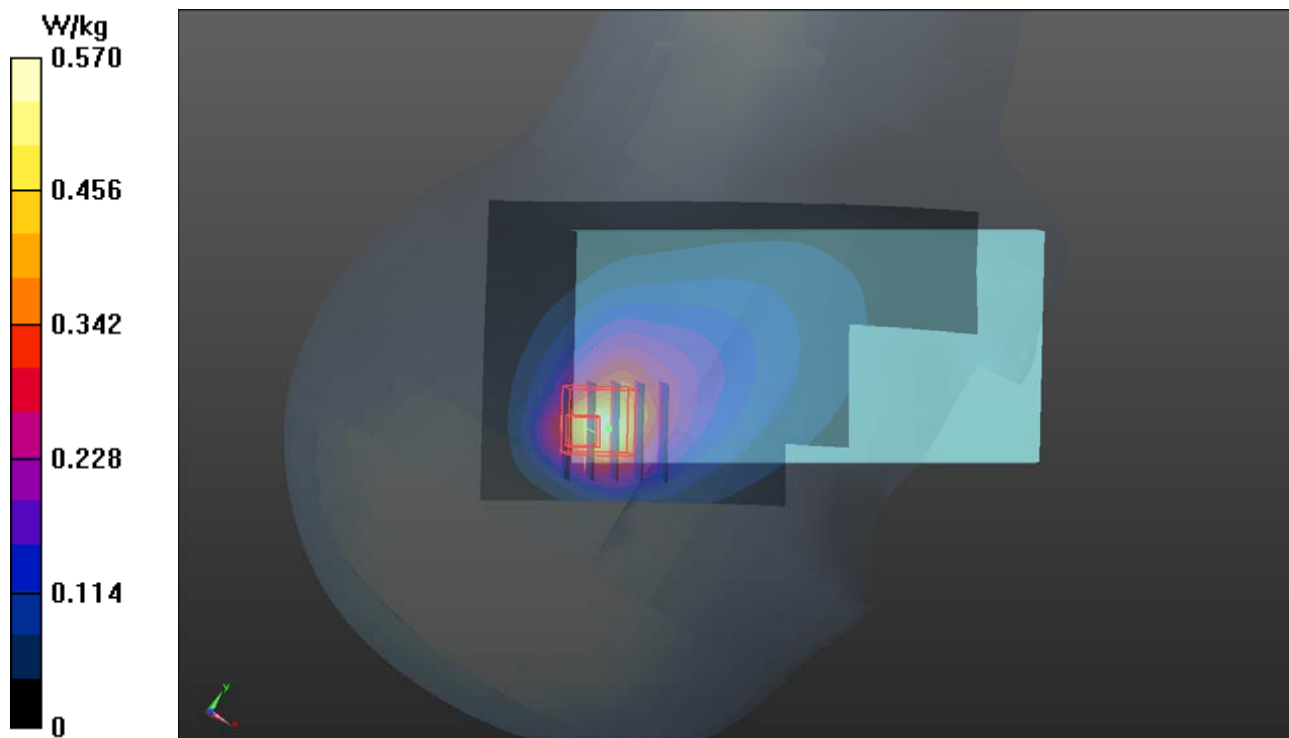
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 26.05 V/m ; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 1.43 W/kg

SAR(1 g) = 0.562 W/kg ; SAR(10 g) = 0.237 W/kg

Maximum value of SAR (measured) = 0.986 W/kg



P12 LTE 13_QPSK10M_Right Tilted_Ch23230_1RB_OS24_Sample1_Ant1

DUT: 180920C23

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

Medium: H06T09N1_1108 Medium parameters used: $f = 782 \text{ MHz}$; $\sigma = 0.915 \text{ S/m}$; $\epsilon_r = 42.016$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 23.6 °C ; Liquid Temperature : 23.4 °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) = 0.625 W/kg

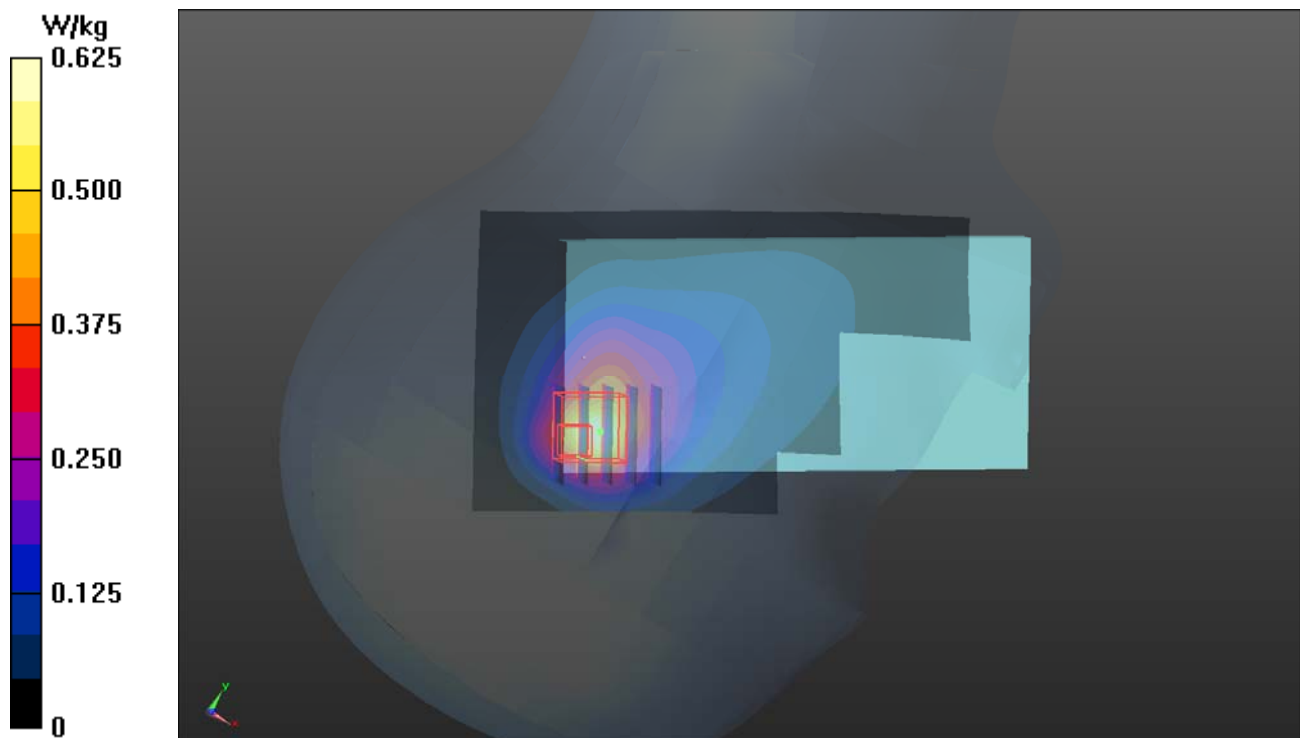
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 25.75 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 1.48 W/kg

SAR(1 g) = 0.524 W/kg; SAR(10 g) = 0.259 W/kg

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



P13 LTE 14_QPSK10M_Right Tilted_Ch23330_1RB_OS24_Sample1_Ant1

DUT: 180920C23

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

Medium: H06T09N1_1108 Medium parameters used: $f = 793 \text{ MHz}$; $\sigma = 0.924 \text{ S/m}$; $\epsilon_r = 41.875$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 23.6 °C ; Liquid Temperature : 23.4 °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) = 0.568 W/kg

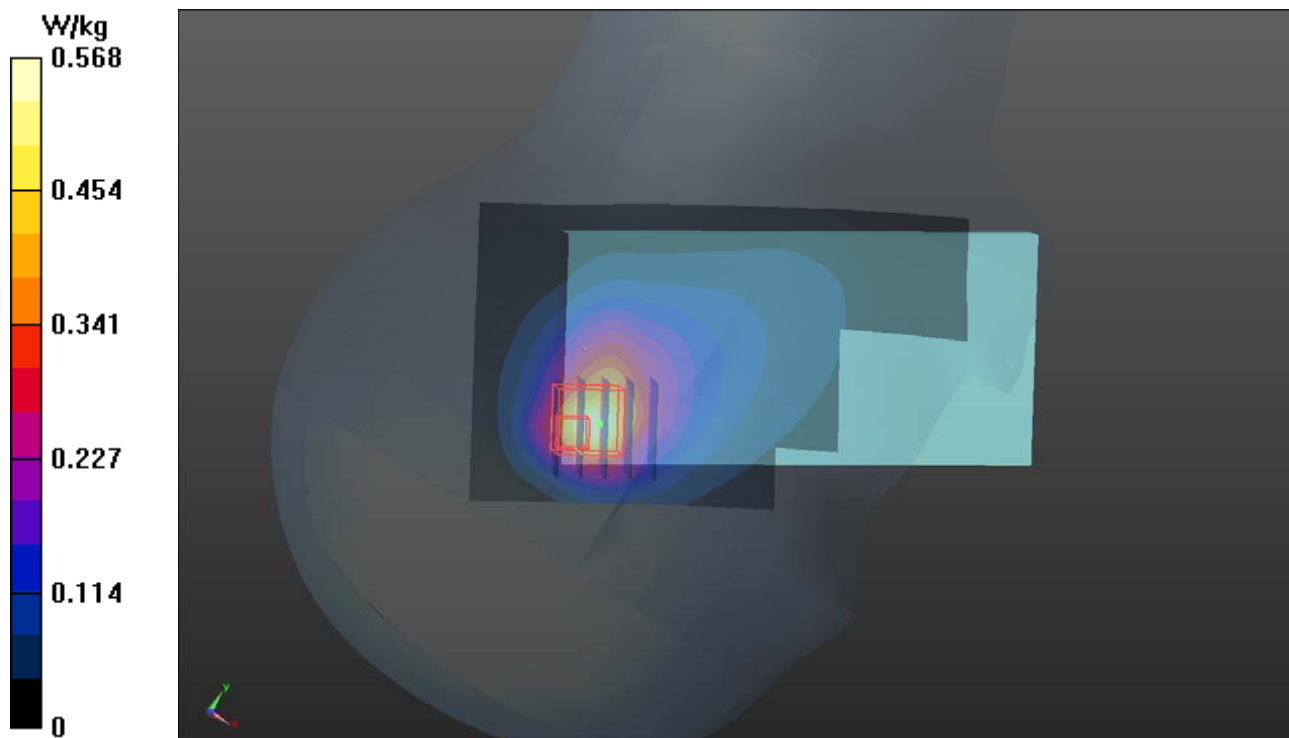
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 24.51 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 1.34 W/kg

SAR(1 g) = 0.478 W/kg; SAR(10 g) = 0.238 W/kg

Maximum value of SAR (measured) = 0.868 W/kg



P14 LTE 25_QPSK20M_Right Tilted_Ch26590_1RB_OS50_Sample1_Ant1

DUT: 180920C23

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

Medium: H16T20N1_1122 Medium parameters used: $f = 1905$ MHz; $\sigma = 1.462$ S/m; $\epsilon_r = 39.82$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7472; ConvF(8.44, 8.44, 8.44); Calibrated: 2018/08/29
- 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 (71x141x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.05 W/kg

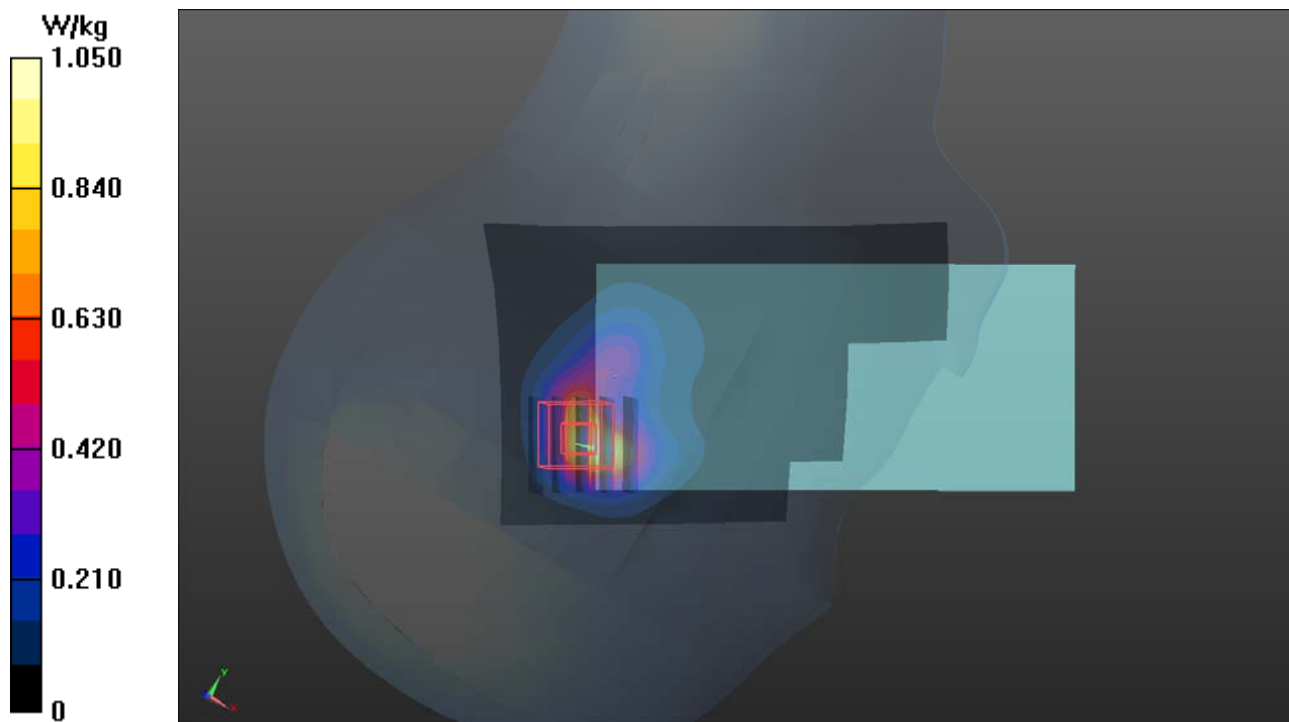
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 21.62 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 1.64 W/kg

SAR(1 g) = 0.776 W/kg; SAR(10 g) = 0.353 W/kg

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



P15 LTE 26_QPSK15M_Right Tilted_Ch26865_1RB_OS74_Sample1_Ant1

DUT: 180920C23

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

Medium: H07T10N2_1108 Medium parameters used: $f = 831.5 \text{ MHz}$; $\sigma = 0.901 \text{ S/m}$; $\epsilon_r = 43.137$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 23.6 °C ; Liquid Temperature : 23.4 °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 (71x141x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.495 W/kg

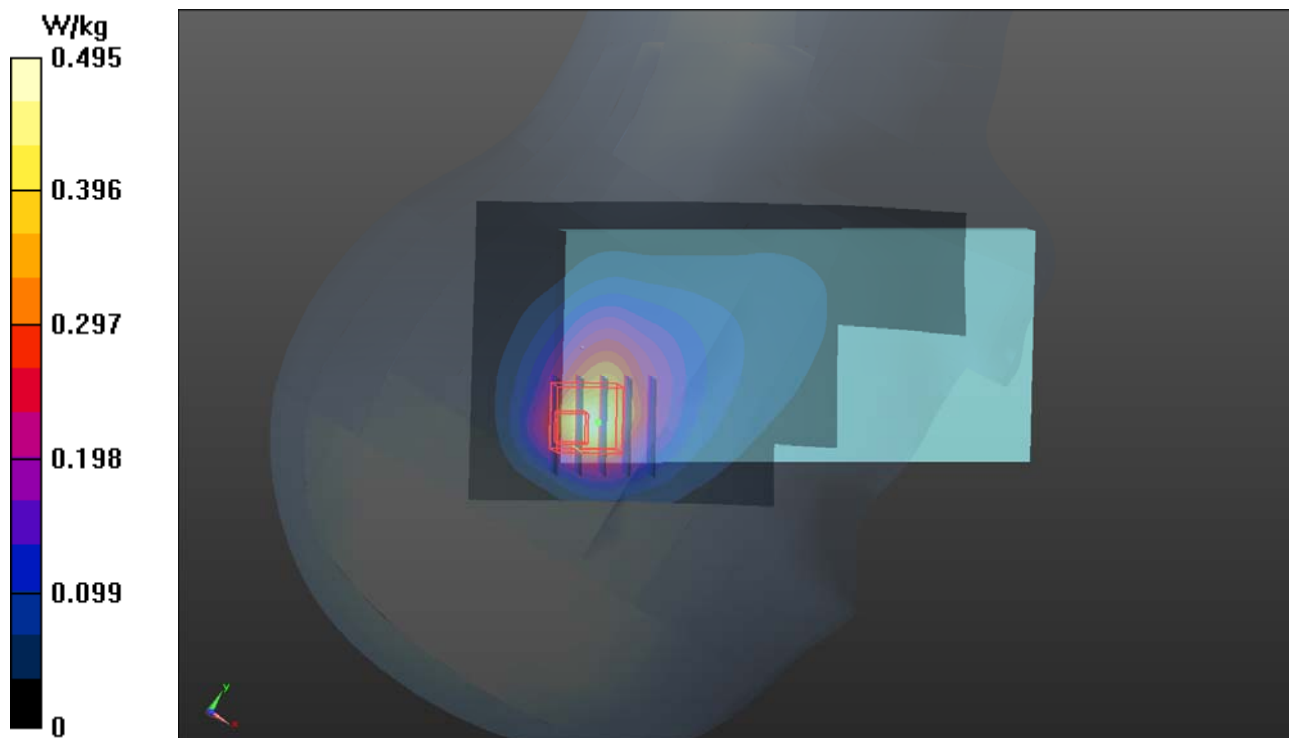
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 22.98 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 1.10 W/kg

SAR(1 g) = 0.413 W/kg; SAR(10 g) = 0.211 W/kg

Maximum value of SAR (measured) = 0.708 W/kg



P16 LTE 30_QPSK10M_Right Cheek_Ch27710_1RB_OS0_Sample1_Ant3

DUT: 180920C23

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

Medium: H19T27N1_1108 Medium parameters used: $f = 2310$ MHz; $\sigma = 1.748$ S/m; $\epsilon_r = 38.246$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.6 °C ; Liquid Temperature : 23.4 °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) = 0.751 W/kg

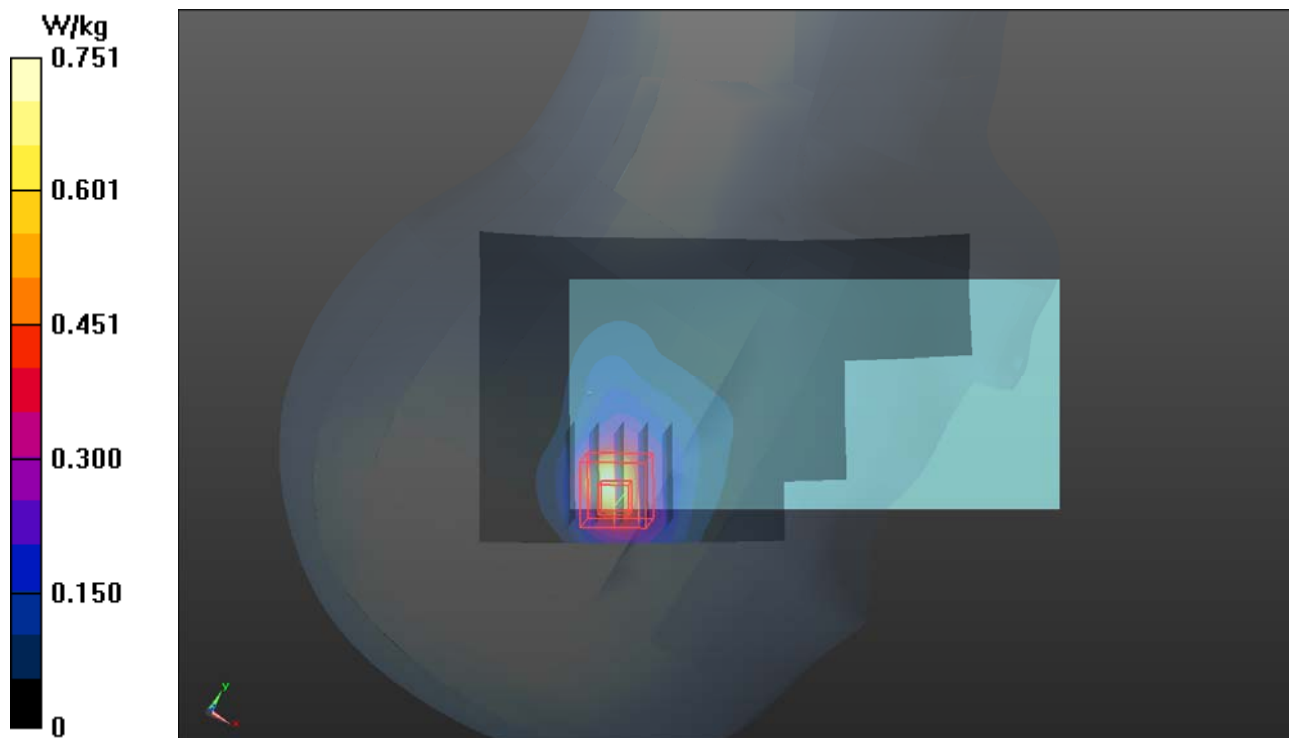
- **Zoom Scan (5x5x7)/Cube 0**: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 21.71 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 1.10 W/kg

SAR(1 g) = 0.532 W/kg; SAR(10 g) = 0.256 W/kg

Maximum value of SAR (measured) = 0.838 W/kg



P17 LTE 38_QPSK20M_Right Cheek_Ch38000_1RB_OS99_Sample1_Ant3

DUT: 180920C23

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

Medium: H19T27N1_1108 Medium parameters used: $f = 2595$ MHz; $\sigma = 2.035$ S/m; $\epsilon_r = 37.169$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.6 °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 (91x171x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

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

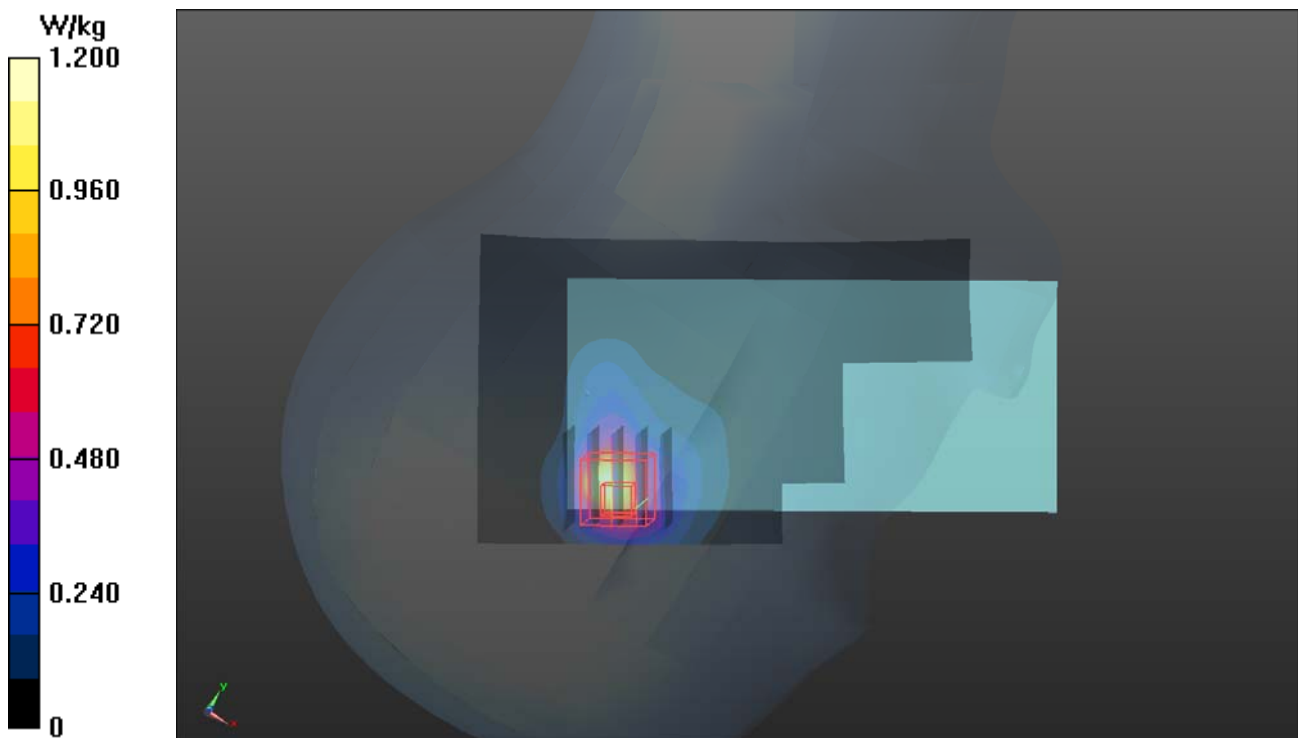
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 24.83 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 1.84 W/kg

SAR(1 g) = 0.791 W/kg; SAR(10 g) = 0.362 W/kg

Maximum value of SAR (measured) = 1.34 W/kg



P18 LTE 41_QPSK20M_Right Cheek_Ch41055_1RB_OS0_Sample1_Ant3

DUT: 180920C23

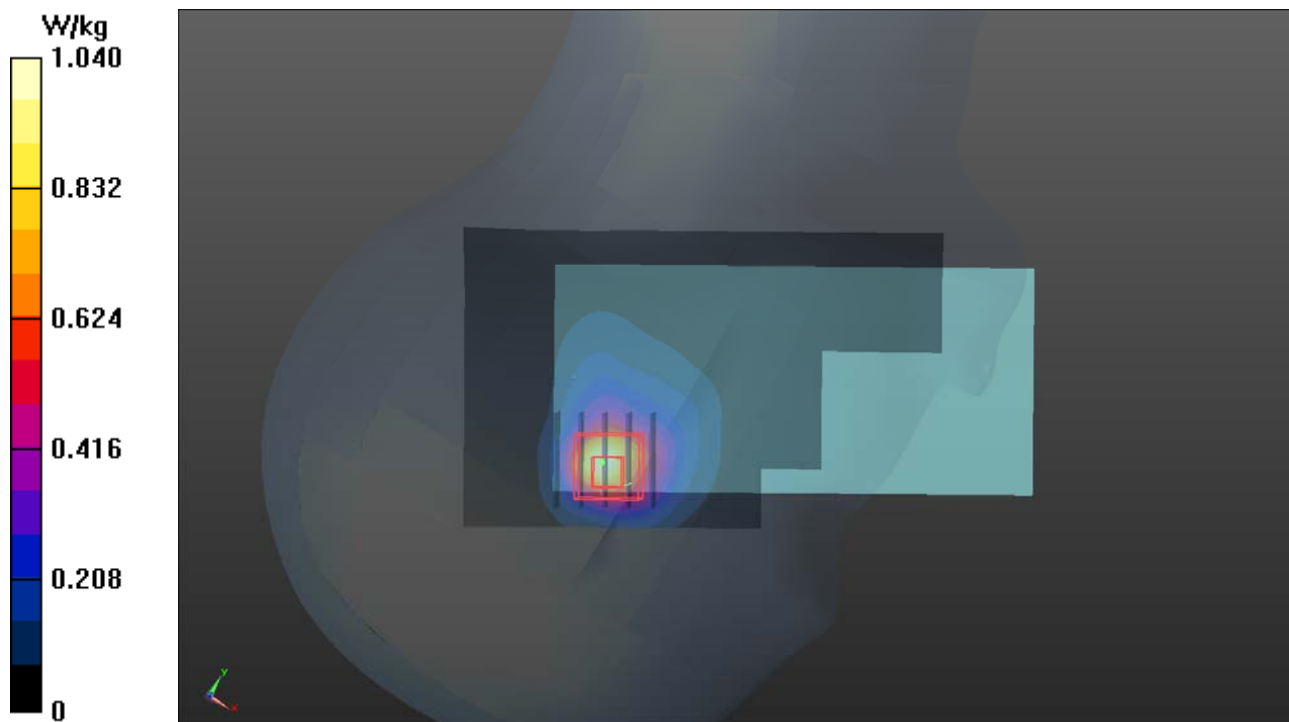
Communication System: LTE TDD CF0; Frequency: 2636.5 MHz; Duty Cycle: 1:1.58
Medium: H19T27N1_1127 Medium parameters used: $f = 2636.5$ MHz; $\sigma = 2.062$ S/m; $\epsilon_r = 38.032$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.5 °C ; Liquid Temperature : 23.2 °C

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: 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) = 1.04 W/kg

- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 22.22 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 1.52 W/kg
SAR(1 g) = 0.669 W/kg; SAR(10 g) = 0.311 W/kg
Maximum value of SAR (measured) = 1.10 W/kg



P19 LTE 66_QPSK20M_Right Tilted_Ch132572_1RB_OS0_Sample1_Ant1

DUT: 180920C23

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

Medium: H16T20N2_1108 Medium parameters used: $f = 1770$ MHz; $\sigma = 1.348$ S/m; $\epsilon_r = 39.625$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.6 °C ; Liquid Temperature : 23.4 °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) = 0.965 W/kg

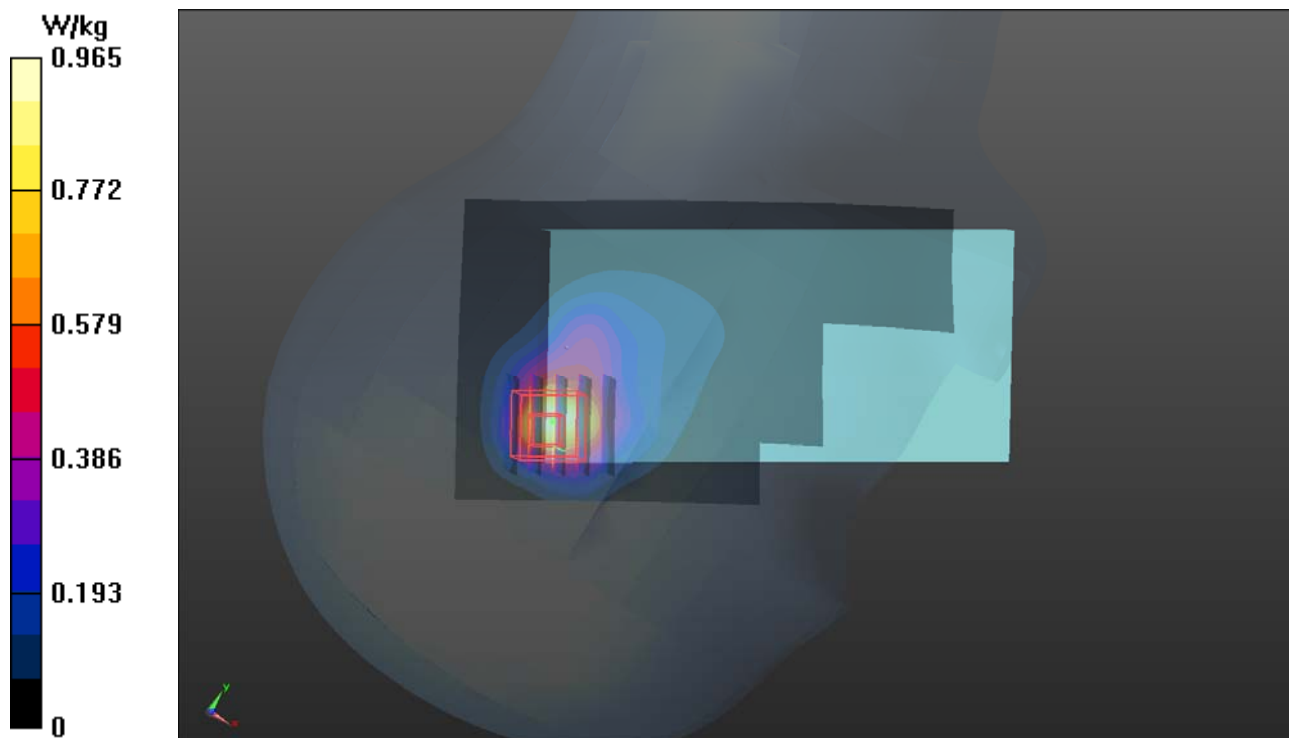
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 24.73 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 1.77 W/kg

SAR(1 g) = 0.851 W/kg; SAR(10 g) = 0.386 W/kg

Maximum value of SAR (measured) = 1.32 W/kg



P20 LTE 71_QPSK20M_Right Cheek_Ch133222_1RB_OS0_Sample1_Ant1

DUT: 180920C23

Communication System: LTE; Frequency: 673 MHz; Duty Cycle: 1:1

Medium: H06T09N1_1108 Medium parameters used: $f = 673$ MHz; $\sigma = 0.875$ S/m; $\epsilon_r = 42.667$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.6 °C ; Liquid Temperature : 23.4 °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 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.831 W/kg

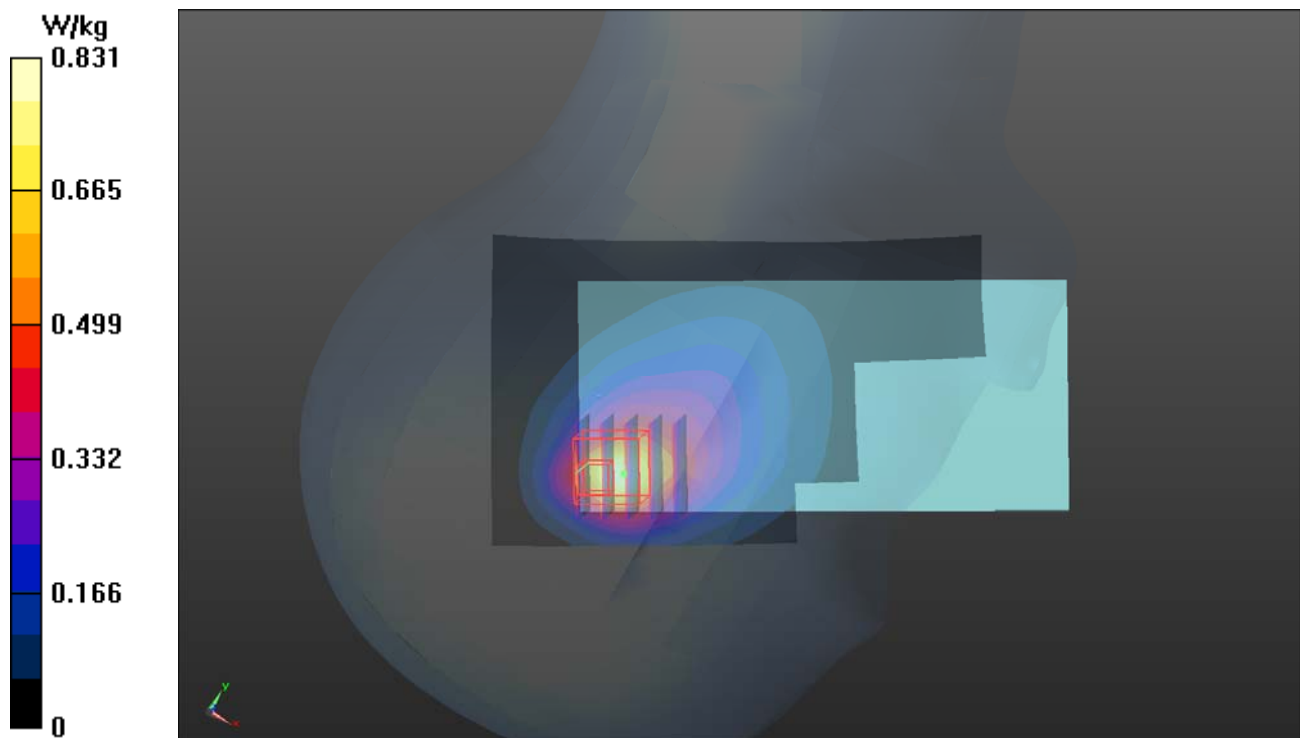
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 31.26 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 1.70 W/kg

SAR(1 g) = 0.639 W/kg; SAR(10 g) = 0.326 W/kg

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



P21 WLAN2.4G_802.11b_Left Cheek_Ch6_Sample1_Ant0+1

DUT: 180920C23

Communication System: WLAN_2.4G; Frequency: 2437 MHz; Duty Cycle: 1:1.01

Medium: H19T27N1_1117 Medium parameters used: $f = 2437$ MHz; $\sigma = 1.874$ S/m; $\epsilon_r = 38.986$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.5 °C ; Liquid Temperature : 23.2 °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) = 1.38 W/kg

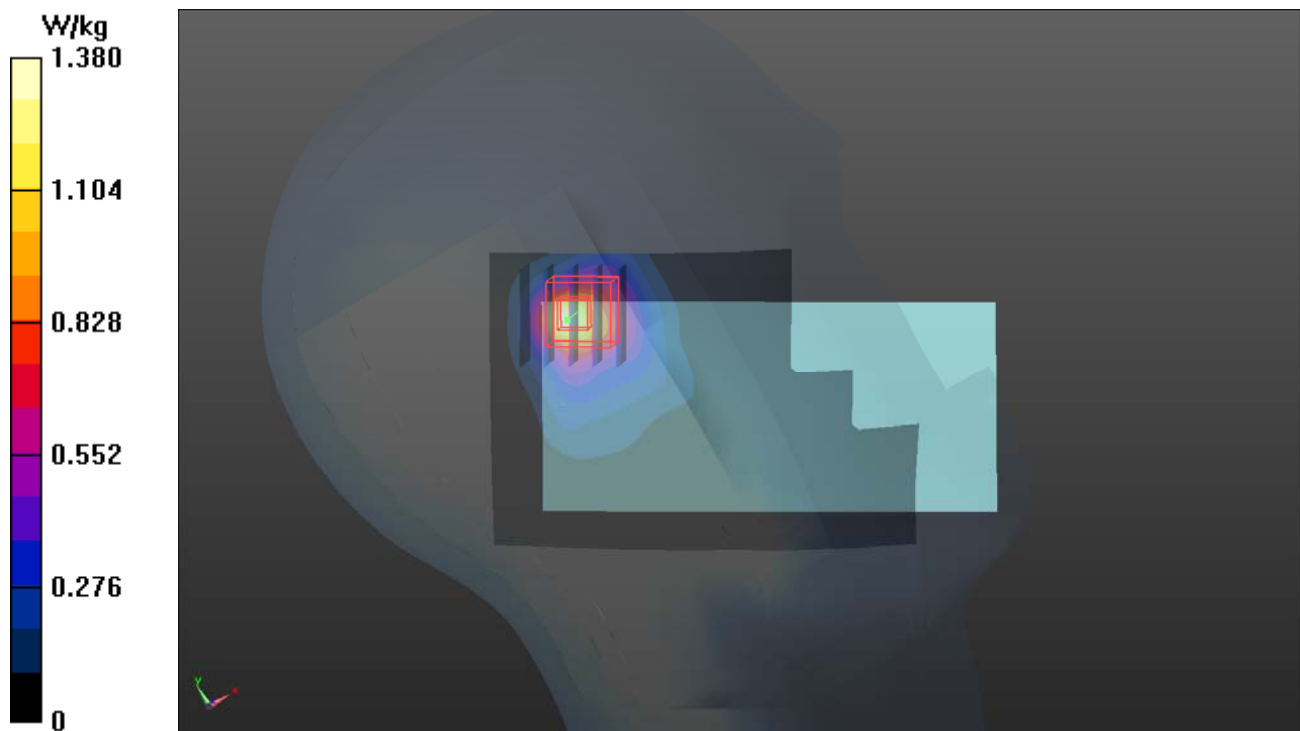
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 25.21 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 1.95 W/kg

SAR(1 g) = 0.890 W/kg; SAR(10 g) = 0.414 W/kg

Maximum value of SAR (measured) = 1.53 W/kg



P22 WLAN5.3G_802.11n HT40_Left Cheek_Ch54_Sample1_Ant0+1

DUT: 180920C23

Communication System: WLAN_5G; Frequency: 5270 MHz; Duty Cycle: 1:1.05

Medium: H34T60N1_1117 Medium parameters used: $f = 5270$ MHz; $\sigma = 4.648$ S/m; $\epsilon_r = 37.384$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3971; ConvF(5.24, 5.24, 5.24); 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 (101x181x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 2.26 W/kg

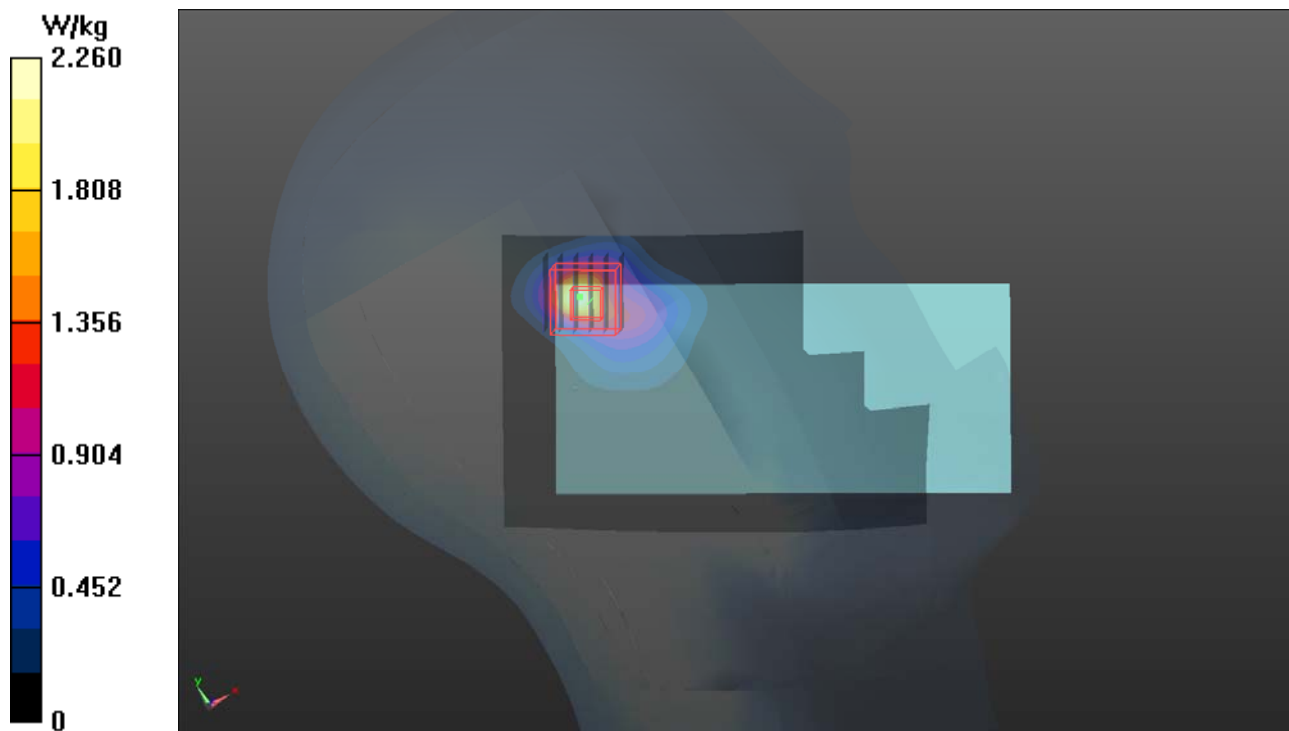
- **Zoom Scan (6x6x12)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=2mm

Reference Value = 22.94 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 3.82 W/kg

SAR(1 g) = 0.959 W/kg; SAR(10 g) = 0.325 W/kg

Maximum value of SAR (measured) = 2.36 W/kg



P23 WLAN5.6G_802.11ac VHT80_Left Tilted_Ch138_Sample1_Ant0+1

DUT: 180920C23

Communication System: WLAN_5G; Frequency: 5690 MHz; Duty Cycle: 1:1.09

Medium: H34T60N1_1117 Medium parameters used: $f = 5690$ MHz; $\sigma = 5.083$ S/m; $\epsilon_r = 36.776$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3971; ConvF(4.96, 4.96, 4.96); 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 (101x181x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

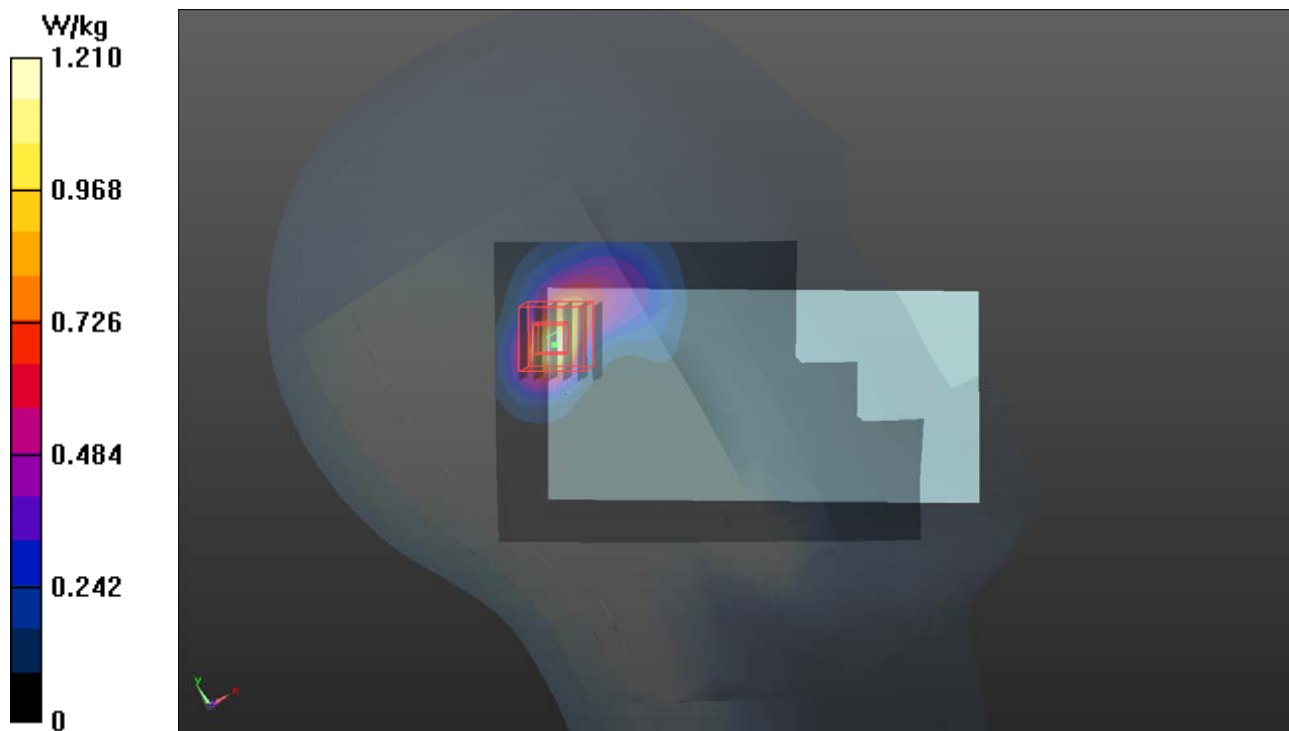
- **Zoom Scan (6x6x12)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=2mm

Reference Value = 11.90 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 4.29 W/kg

SAR(1 g) = 0.902 W/kg; SAR(10 g) = 0.239 W/kg

Maximum value of SAR (measured) = 2.49 W/kg



P24 WLAN5.8G_802.11ac VHT80_Left Cheek_Ch155_Sample1_Ant0+1

DUT: 180920C23

Communication System: WLAN_5G; Frequency: 5775 MHz; Duty Cycle: 1:1.09

Medium: H34T60N1_1117 Medium parameters used: $f = 5775$ MHz; $\sigma = 5.167$ S/m; $\epsilon_r = 36.662$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3971; ConvF(4.96, 4.96, 4.96); 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 (101x181x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

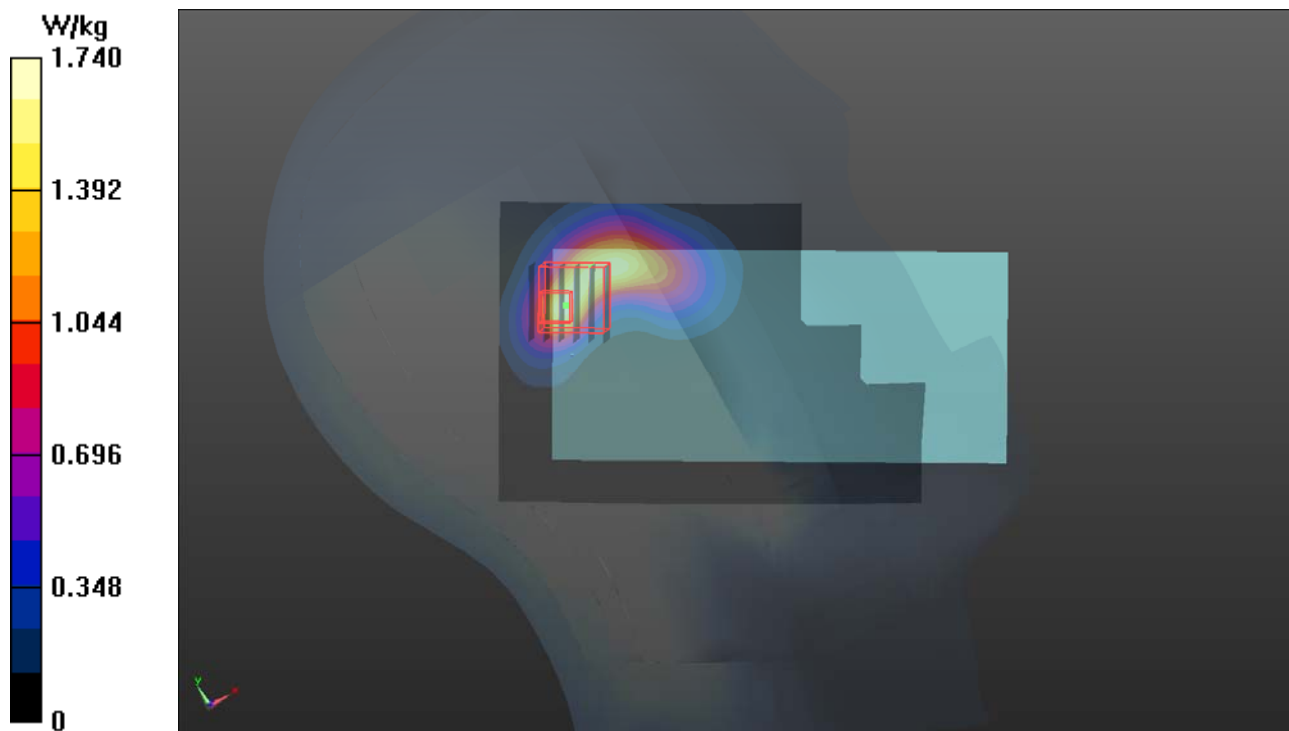
- **Zoom Scan (6x6x12)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=2mm

Reference Value = 19.52 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 5.05 W/kg

SAR(1 g) = 0.898 W/kg; SAR(10 g) = 0.256 W/kg

Maximum value of SAR (measured) = 2.69 W/kg



P25 BT_BDR_Left Cheek_Ch0_Sample1_Ant0

DUT: 180920C23

Communication System: BT; Frequency: 2402 MHz; Duty Cycle: 1:105

Medium: H19T27N1_1027 Medium parameters used: $f = 2402$ MHz; $\sigma = 1.808$ S/m; $\epsilon_r = 38.561$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.7 °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) = 0.194 W/kg

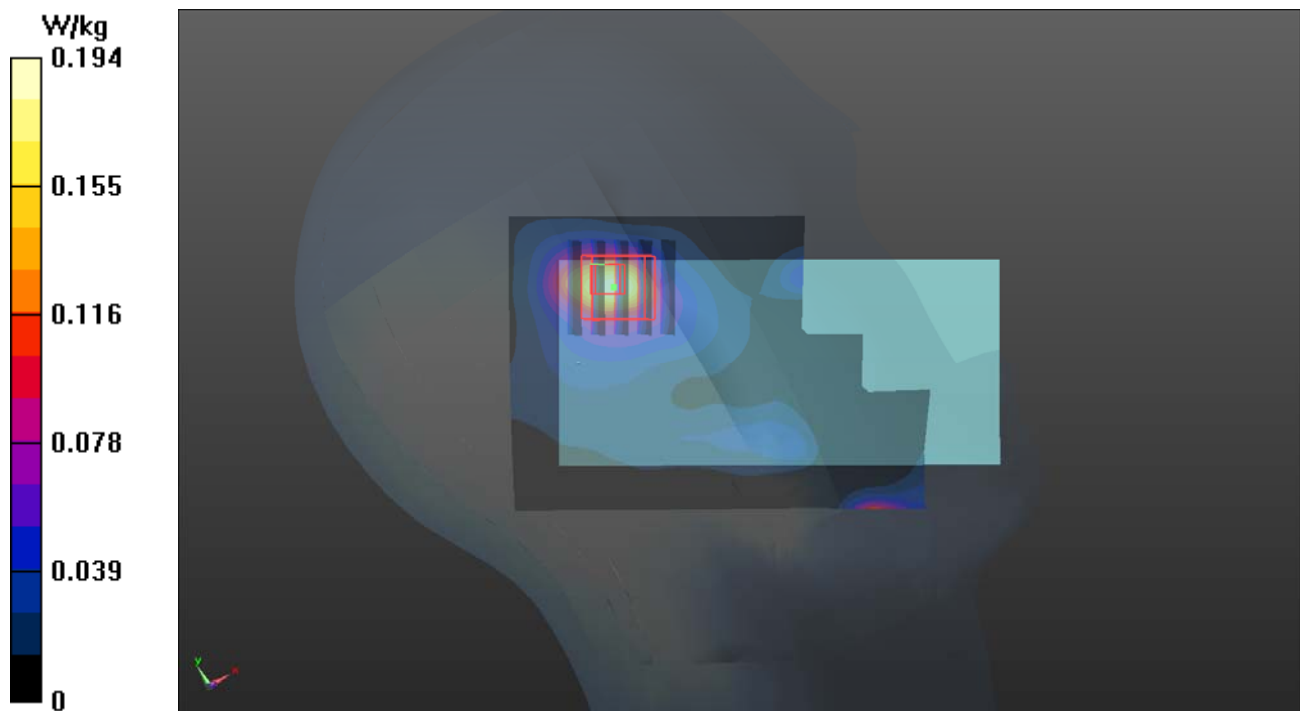
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.785 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.240 W/kg

SAR(1 g) = 0.09 W/kg; SAR(10 g) = 0.055 W/kg

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



P26 GSM850_GPRS12_Rera Face_10mm_Ch128_Sample1_Ant1

DUT: 180920C23

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

Medium: B07T10N1_1127 Medium parameters used: $f = 824.2$ MHz; $\sigma = 0.969$ S/m; $\epsilon_r = 53.701$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.5 °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: QD000P40CB;
- 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) = 0.164 W/kg

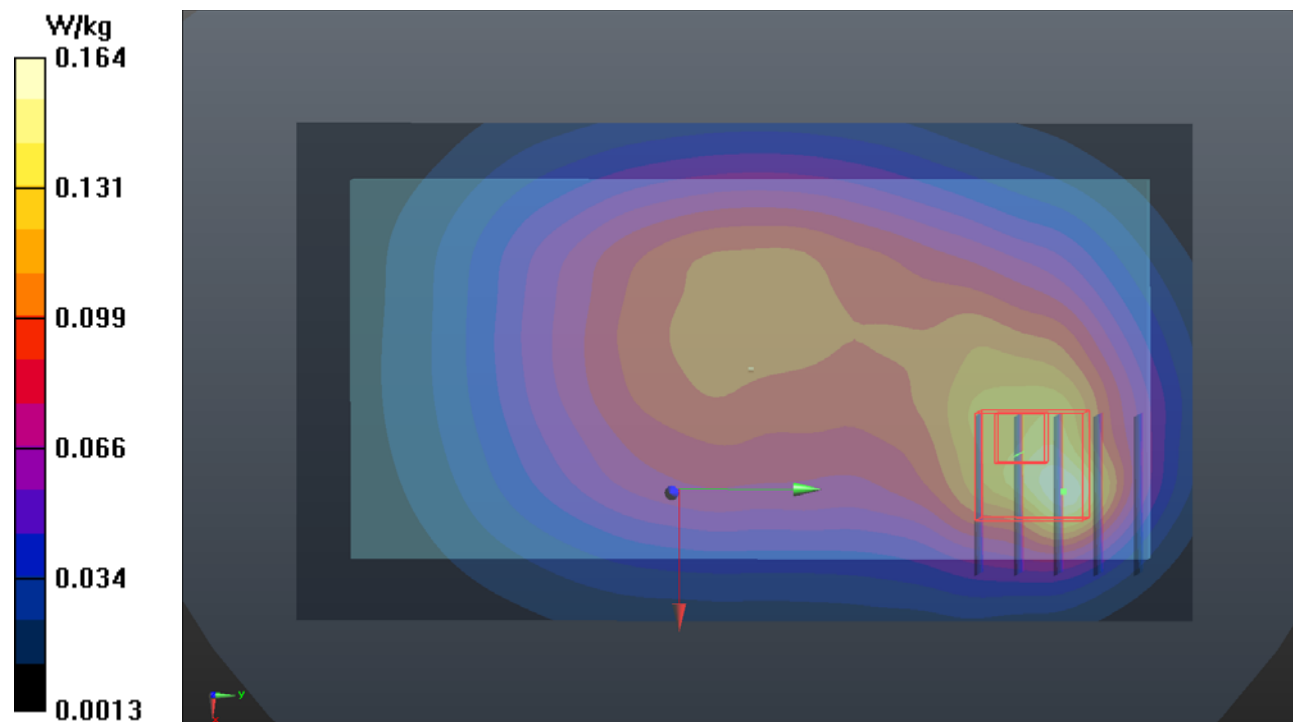
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.86 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.142 W/kg

SAR(1 g) = 0.096 W/kg; SAR(10 g) = 0.062 W/kg

Maximum value of SAR (measured) = 0.126 W/kg



P27 GSM1900_GPRS12_Rera Face_10mm_Ch810_Sample1_Ant1

DUT: 180920C23

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

Medium: B16T20N1_1127 Medium parameters used: $f = 1910$ MHz; $\sigma = 1.564$ S/m; $\epsilon_r = 51.441$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.5 °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: QD000P40CB;
- 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) = 0.185 W/kg

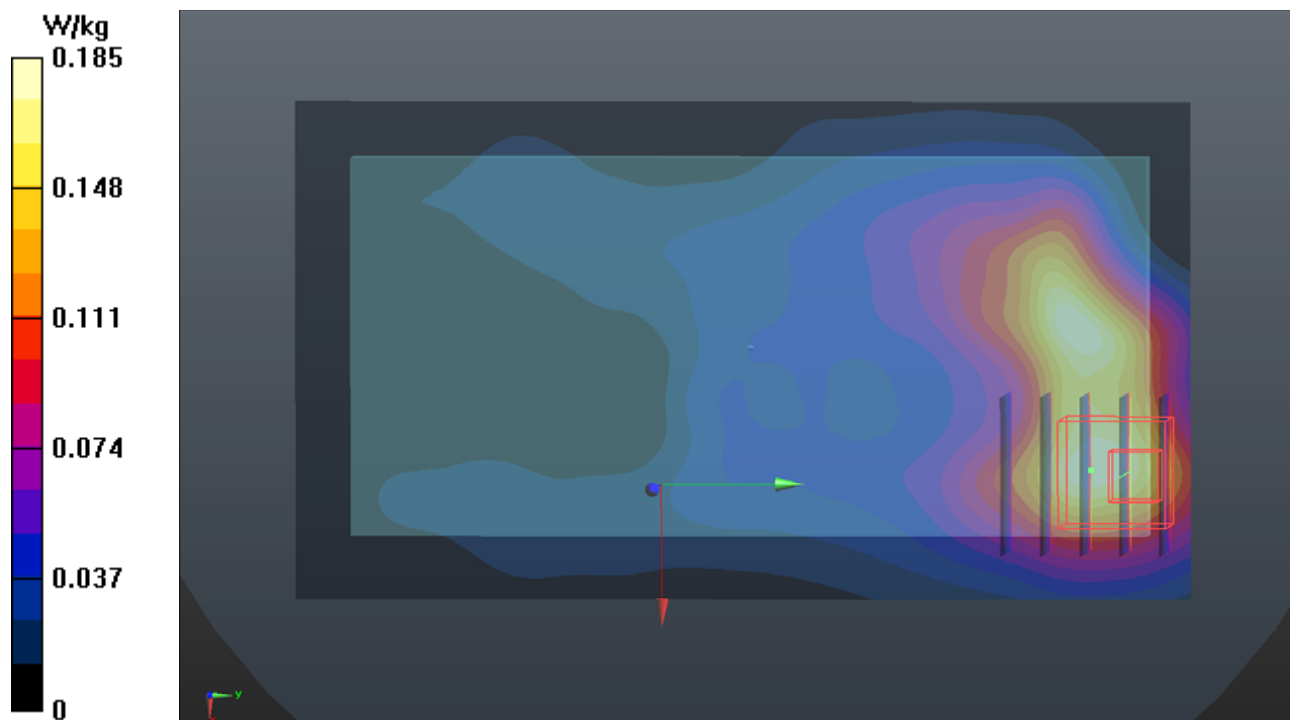
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.47 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 0.262 W/kg

SAR(1 g) = 0.150 W/kg; SAR(10 g) = 0.078 W/kg

Maximum value of SAR (measured) = 0.227 W/kg



P28 WCDMA II_RMC12.2K_Rera Face_10mm_Ch9538_Sample1_Ant1

DUT: 180920C23

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

Medium: B16T20N1_1127 Medium parameters used: $f = 1908$ MHz; $\sigma = 1.562$ S/m; $\epsilon_r = 51.45$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.5 °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: QD000P40CB;
- 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) = 0.611 W/kg

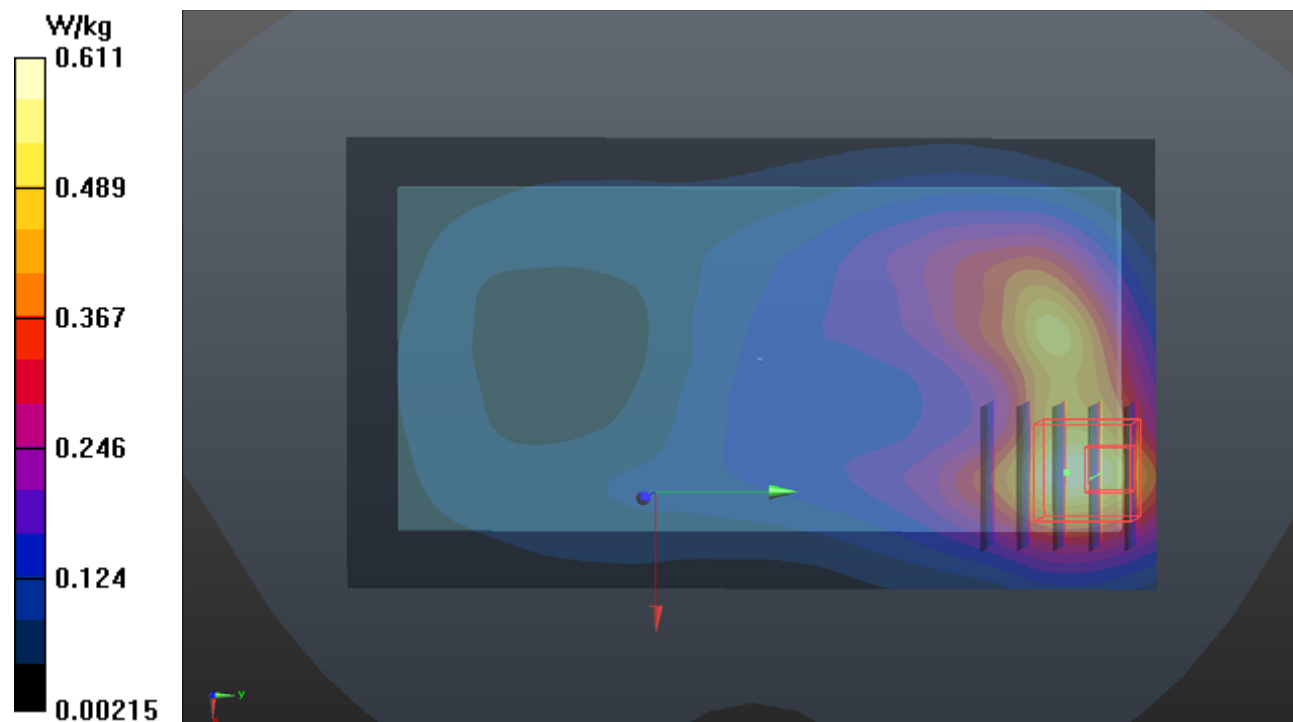
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.89 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.838 W/kg

SAR(1 g) = 0.484 W/kg; SAR(10 g) = 0.250 W/kg

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



P29 WCDMA IV_RMC12.2K_Rera Face_10mm_Ch1413_Sample1_Ant0

DUT: 180920C23

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

Medium: B16T20N1_1105 Medium parameters used: $f = 1733$ MHz; $\sigma = 1.421$ S/m; $\epsilon_r = 52.632$; $\rho = 1000$ kg/m³

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 (71x151x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

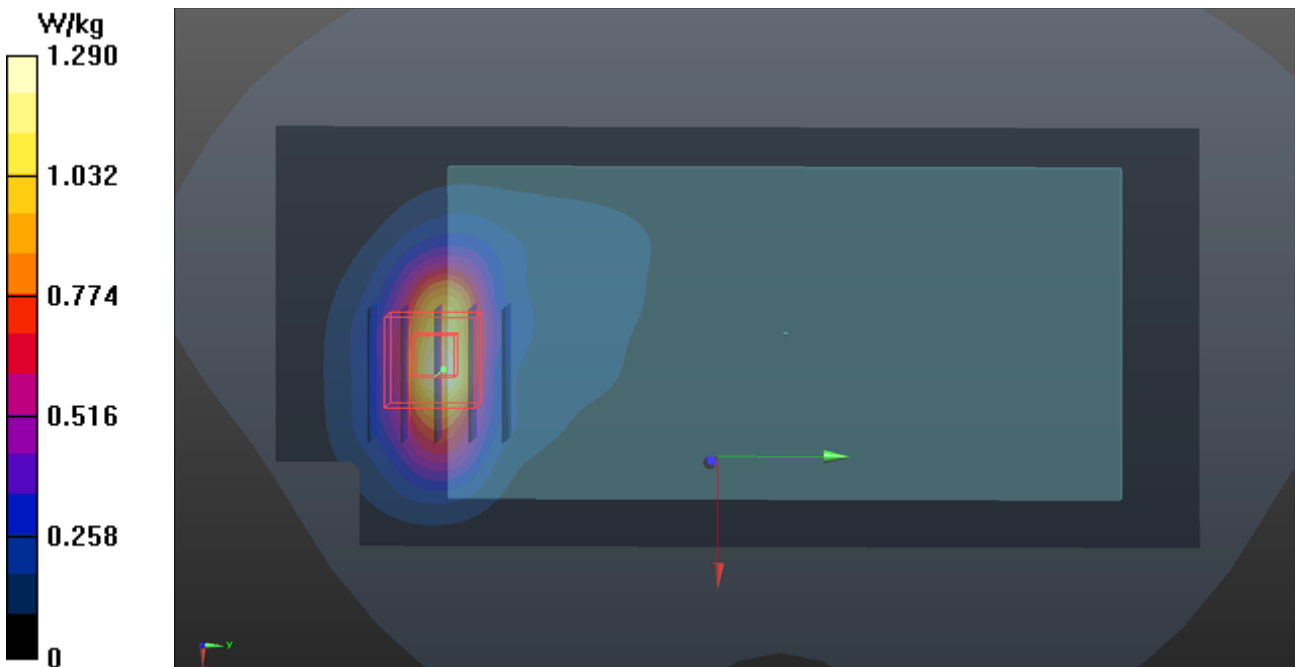
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 31.13 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 1.57 W/kg

SAR(1 g) = 0.916 W/kg; SAR(10 g) = 0.517 W/kg

Maximum value of SAR (measured) = 1.31 W/kg



P30 WCDMA V_RMC12.2K_Rera Face_10mm_Ch4182_Sample1_Ant1

DUT: 180920C23

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

Medium: B07T10N1_1127 Medium parameters used: $f = 836.4$ MHz; $\sigma = 0.981$ S/m; $\epsilon_r = 53.589$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.5 °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: QD000P40CB;
- 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) = 0.215 W/kg

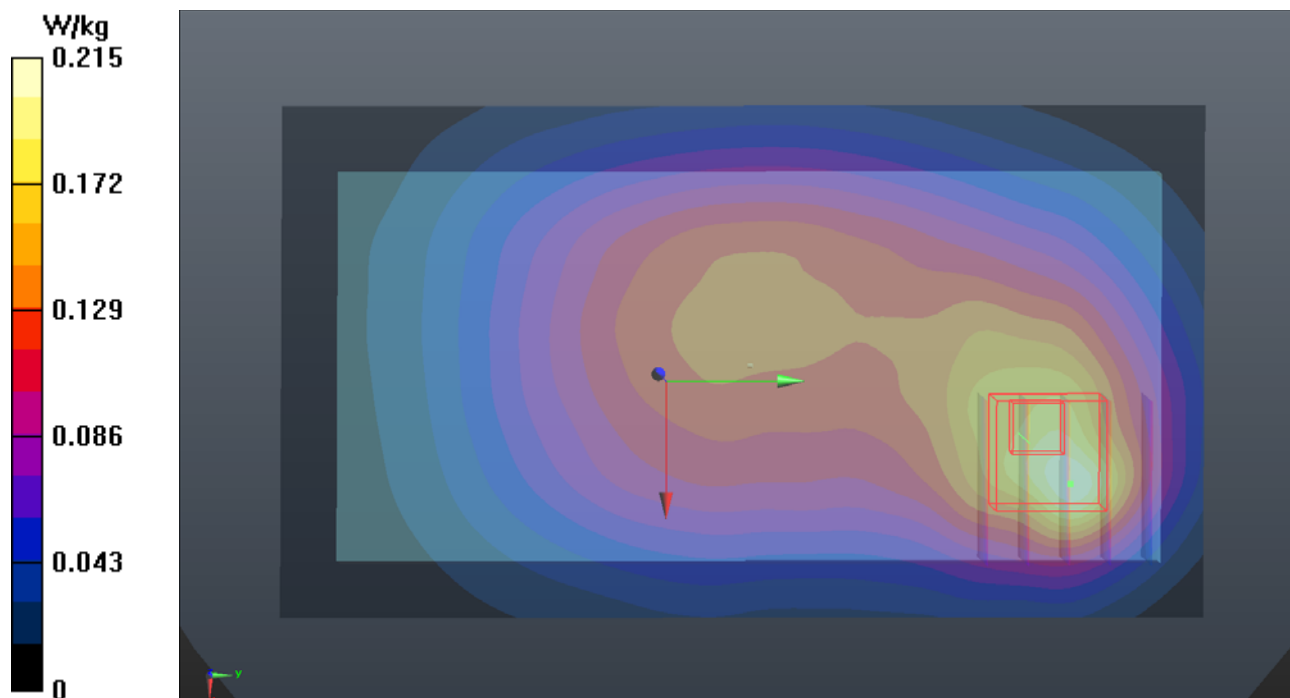
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.67 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.199 W/kg

SAR(1 g) = 0.133 W/kg; SAR(10 g) = 0.087 W/kg

Maximum value of SAR (measured) = 0.176 W/kg



P31 CDMA BC0_RTAP153.6_Rear Face_10mm_Ch1013_Sample1_Ant1

DUT: 180920C23

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

Medium: B07T10N1_1127 Medium parameters used: $f = 825$ MHz; $\sigma = 0.97$ S/m; $\epsilon_r = 53.699$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.5 °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: QD000P40CB;
- 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) = 0.245 W/kg

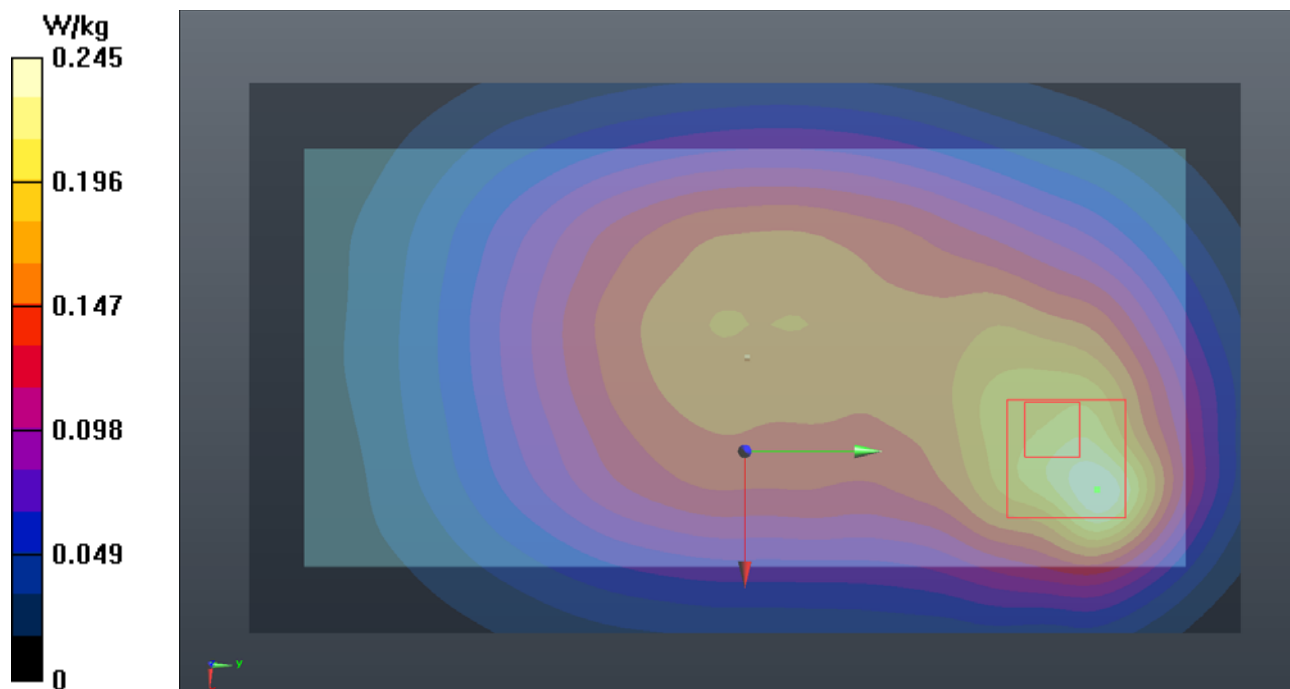
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.82 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.227 W/kg

SAR(1 g) = 0.154 W/kg; SAR(10 g) = 0.101 W/kg

Maximum value of SAR (measured) = 0.202 W/kg



P32 CDMA BC1_RTAP153.6_Rear Face_10mm_Ch1175_Sample1_Ant1

DUT: 180920C23

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

Medium: B16T20N1_1127 Medium parameters used: $f = 1909$ MHz; $\sigma = 1.563$ S/m; $\epsilon_r = 51.447$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.5 °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: QD000P40CB;
- 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) = 0.655 W/kg

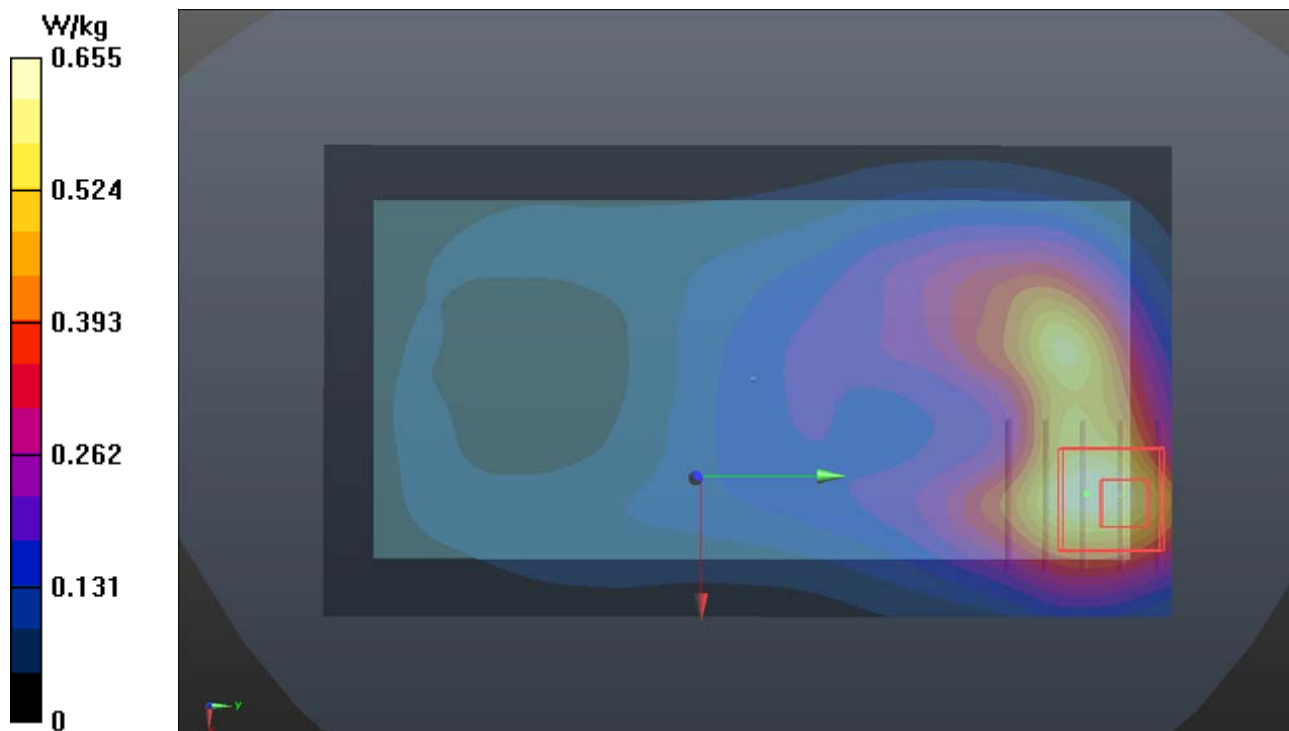
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 19.96 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 1.01 W/kg

SAR(1 g) = 0.568 W/kg; SAR(10 g) = 0.292 W/kg

Maximum value of SAR (measured) = 0.874 W/kg



P33 CDMA BC10_RTAP153.6_Rear Face_10mm_Ch684_Sample1_Ant1

DUT: 180920C23

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

Medium: B07T10N1_1127 Medium parameters used: $f = 823.1$ MHz; $\sigma = 0.968$ S/m; $\epsilon_r = 53.713$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.5 °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: QD000P40CB;
- 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) = 0.250 W/kg

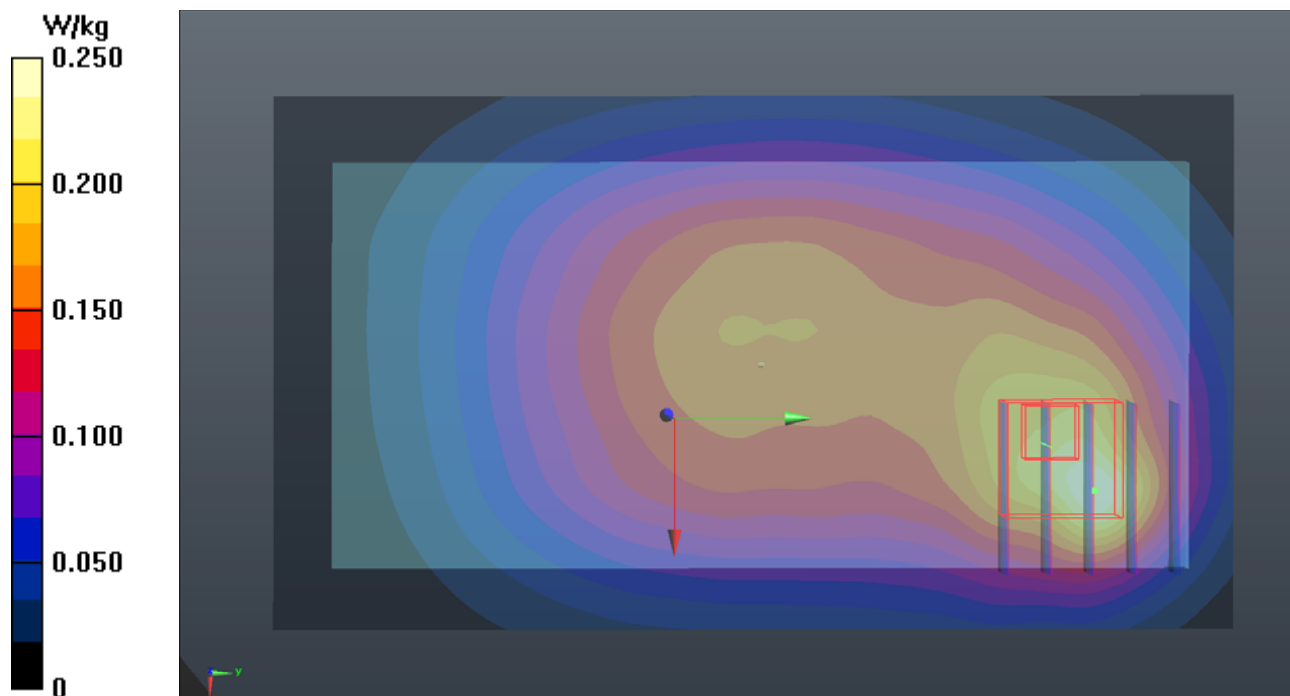
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.85 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.233 W/kg

SAR(1 g) = 0.157 W/kg; SAR(10 g) = 0.103 W/kg

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



P34 LTE 5_QPSK10M_Rera Face_10mm_Ch20450_1RB_OS0_Sample1_Ant1

DUT: 180920C23

Communication System: LTE; Frequency: 829 MHz; Duty Cycle: 1:1

Medium: B07T10N1_1128 Medium parameters used: $f = 829 \text{ MHz}$; $\sigma = 0.996 \text{ S/m}$; $\epsilon_r = 54.256$; $\rho = 1000 \text{ kg/m}^3$

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

DASY5 Configuration:

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

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

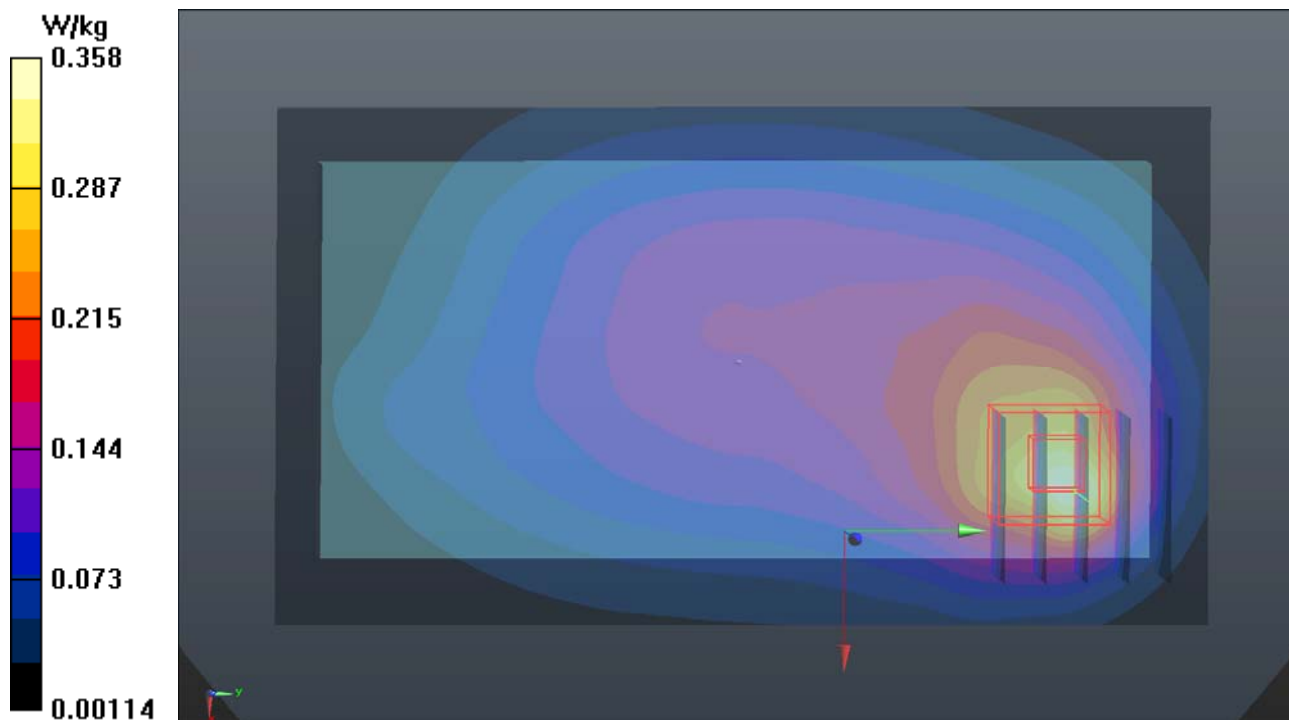
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 16.43 V/m ; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.333 W/kg

SAR(1 g) = 0.196 W/kg ; SAR(10 g) = 0.129 W/kg

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



P35 LTE 7_QPSK20M_Rera Face_10mm_Ch20850_1RB_OS0_Sample1_Ant3

DUT: 180920C23

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

Medium: B19T27N1_1105 Medium parameters used: $f = 2510$ MHz; $\sigma = 2.113$ S/m; $\epsilon_r = 53.192$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3898; ConvF(7.51, 7.51, 7.51); 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) = 1.04 W/kg

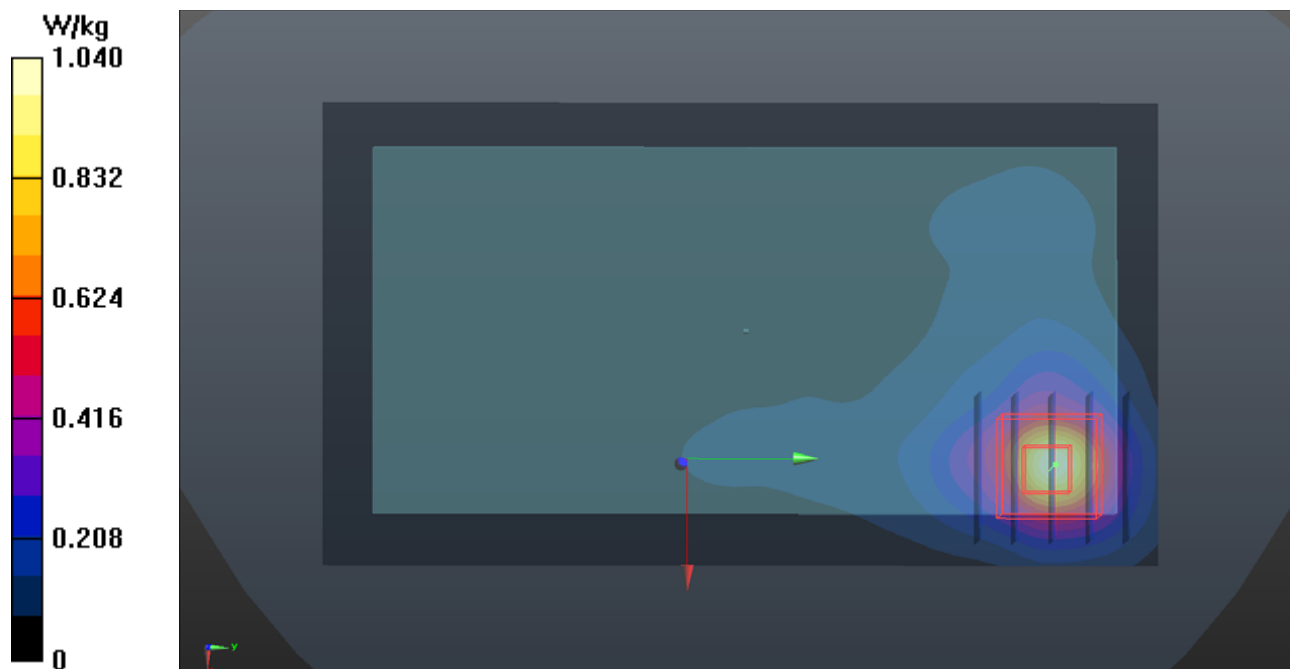
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 22.15 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 1.28 W/kg

SAR(1 g) = 0.661 W/kg; SAR(10 g) = 0.319 W/kg

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



P36 LTE 12_QPSK10M_Rera Face_10mm_Ch23060_1RB_OS0_Sample1_Ant1

DUT: 180920C23

Communication System: LTE; Frequency: 704 MHz; Duty Cycle: 1:1

Medium: B06T09N1_1127 Medium parameters used: $f = 704 \text{ MHz}$; $\sigma = 0.917 \text{ S/m}$; $\epsilon_r = 56.869$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 23.6 °C ; Liquid Temperature : 23.3 °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 (71x121x1):** Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.280 W/kg

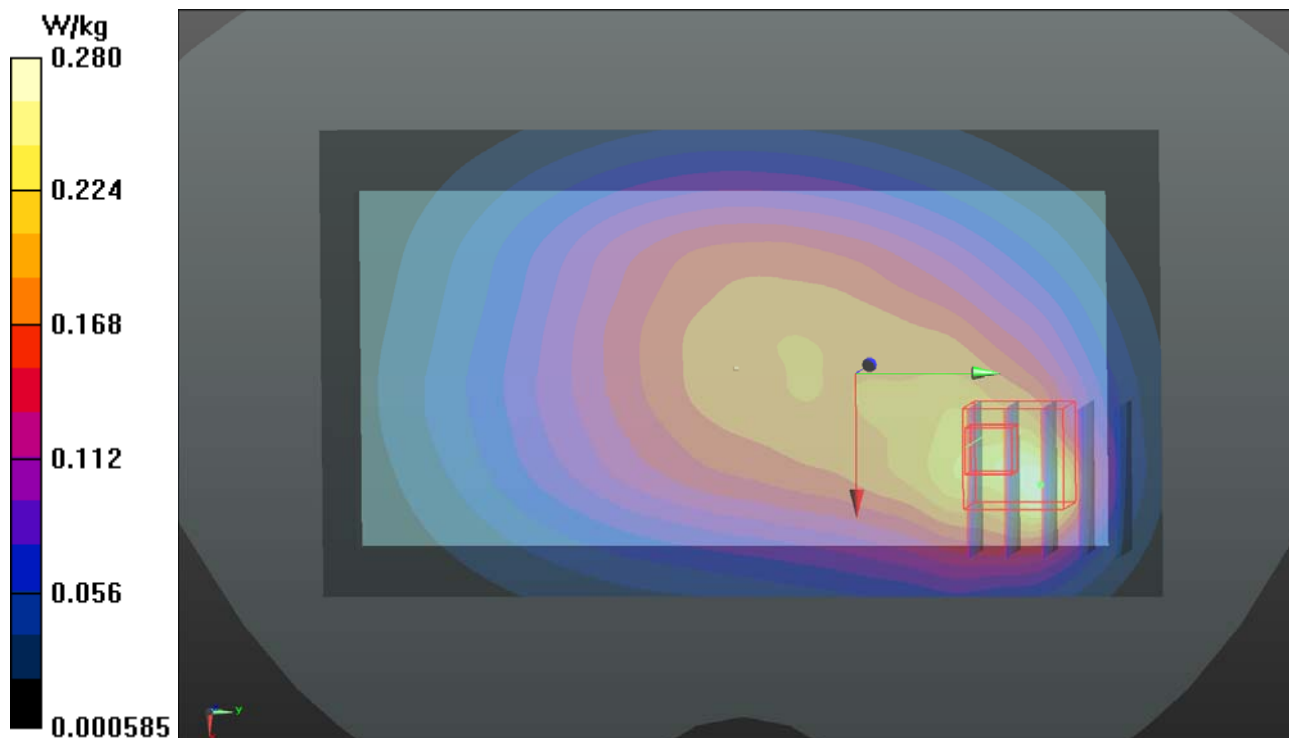
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 15.48 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.255 W/kg

SAR(1 g) = 0.159 W/kg; SAR(10 g) = 0.105 W/kg

Maximum value of SAR (measured) = 0.212 W/kg



P37 LTE 13_QPSK10M_Rera Face_10mm_Ch23230_1RB_OS24_Sample1_Ant1

DUT: 180920C23

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

Medium: B06T09N1_1127 Medium parameters used: $f = 782 \text{ MHz}$; $\sigma = 0.99 \text{ S/m}$; $\epsilon_r = 56.126$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 23.6 °C ; Liquid Temperature : 23.3 °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 (71x121x1):** Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

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

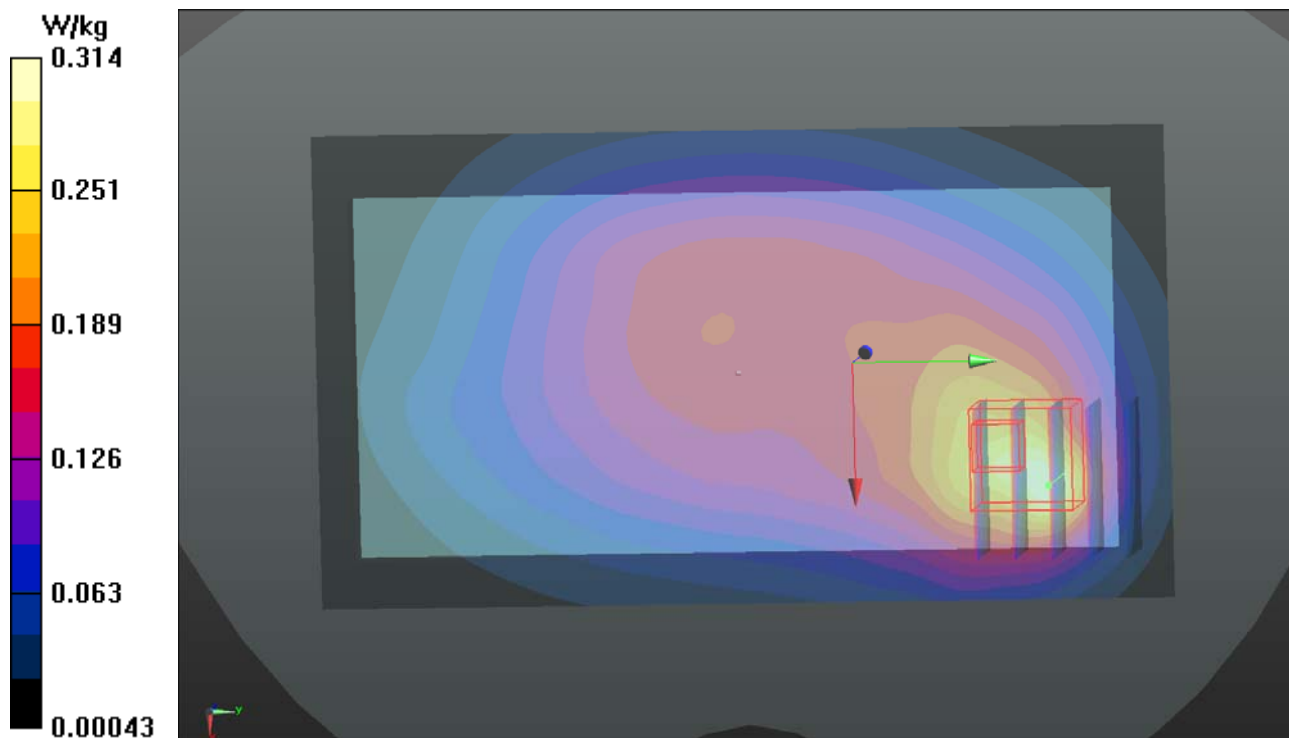
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 15.76 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.287 W/kg

SAR(1 g) = 0.176 W/kg; SAR(10 g) = 0.118 W/kg

Maximum value of SAR (measured) = 0.235 W/kg



P38 LTE 14_QPSK10M_Rera Face_10mm_Ch23330_1RB_OS24_Sample1_Ant1

DUT: 180920C23

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

Medium: B06T09N1_1127 Medium parameters used: $f = 793 \text{ MHz}$; $\sigma = 1 \text{ S/m}$; $\epsilon_r = 56.043$; $\rho = 1000 \text{ kg/m}^3$

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

DASY5 Configuration:

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

Maximum value of SAR (interpolated) = 0.299 W/kg

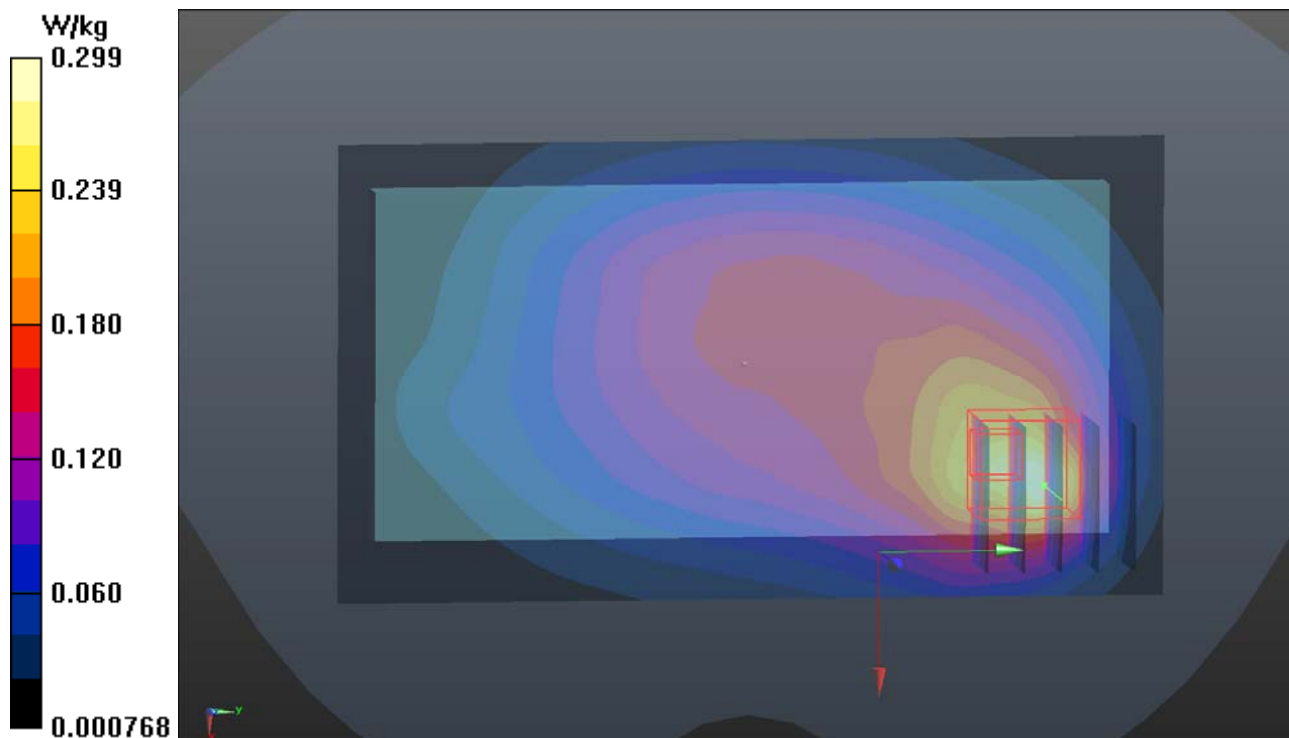
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 15.28 V/m ; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.270 W/kg

SAR(1 g) = 0.169 W/kg ; SAR(10 g) = 0.113 W/kg

Maximum value of SAR (measured) = 0.222 W/kg



P39 LTE 25_QPSK20M_Rera Face_10mm_Ch26590_1RB_OS50_Sample1_Ant1

DUT: 180920C23

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

Medium: B16T20N1_1105 Medium parameters used: $f = 1905 \text{ MHz}$; $\sigma = 1.586 \text{ S/m}$; $\epsilon_r = 52.149$; $\rho = 1000 \text{ kg/m}^3$

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

Maximum value of SAR (interpolated) = 1.07 W/kg

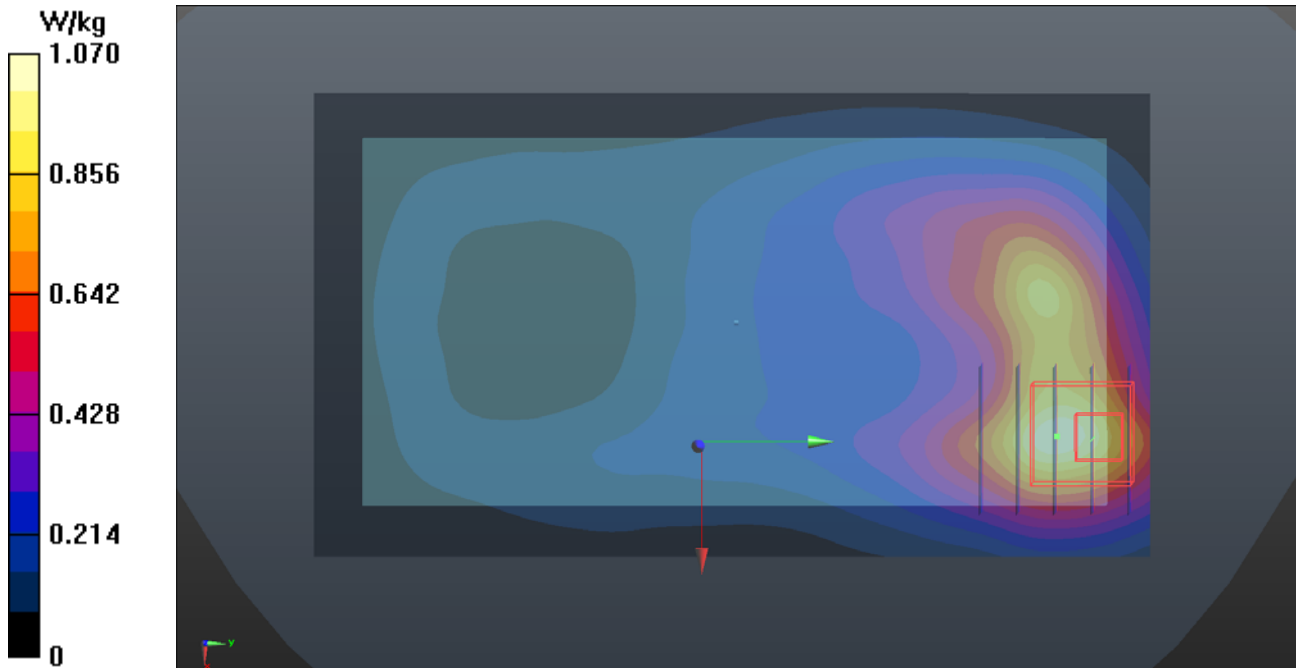
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 25.28 V/m ; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 1.46 W/kg

SAR(1 g) = 0.865 W/kg ; SAR(10 g) = 0.462 W/kg

Maximum value of SAR (measured) = 1.27 W/kg



P40 LTE 26_QPSK15M_Rera Face_10mm_Ch26765_1RB_OS74_Sample1_Ant1

DUT: 180920C23

Communication System: LTE; Frequency: 821.5 MHz; Duty Cycle: 1:1

Medium: B07T10N1_1128 Medium parameters used: $f = 821.5$ MHz; $\sigma = 0.989$ S/m; $\epsilon_r = 54.324$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.6 °C ; Liquid Temperature : 23.3 °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 (71x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.311 W/kg

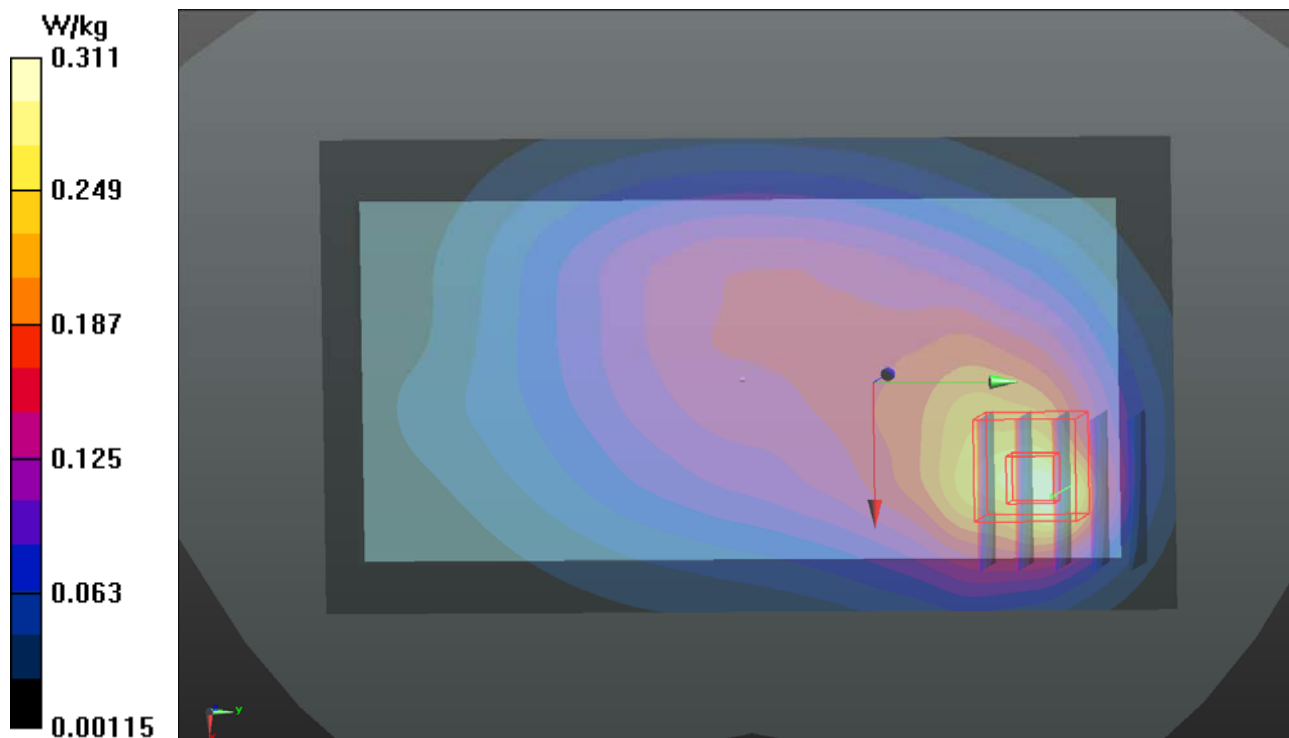
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.64 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.279 W/kg

SAR(1 g) = 0.176 W/kg; SAR(10 g) = 0.118 W/kg

Maximum value of SAR (measured) = 0.236 W/kg



P41 LTE 30_QPSK10M_Rear Face_10mm_Ch27710_1RB_OS0_Sample1_Ant2

DUT: 180920C23

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

Medium: B19T27N1_1206 Medium parameters used: $f = 2310$ MHz; $\sigma = 1.845$ S/m; $\epsilon_r = 51.894$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3971; ConvF(7.75, 7.75, 7.75); 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 (91x151x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

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

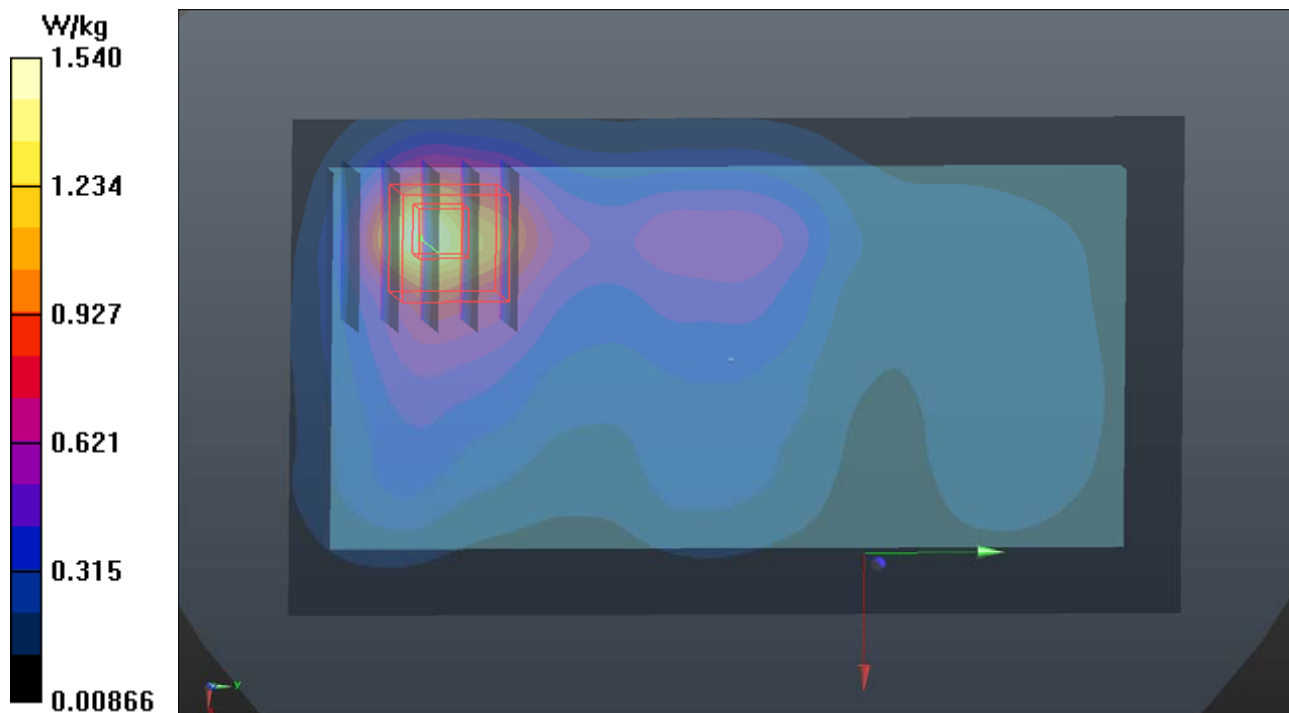
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 25.26 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 1.44 W/kg

SAR(1 g) = 0.706 W/kg; SAR(10 g) = 0.377 W/kg

Maximum value of SAR (measured) = 1.16 W/kg



P42 LTE 38_QPSK20M_Fron Face_10mm_Ch38000_1RB_OS99_Sample1_Ant2

DUT: 180920C23

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

Medium: B19T27N1_1127 Medium parameters used: $f = 2595$ MHz; $\sigma = 2.184$ S/m; $\epsilon_r = 50.91$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3898; ConvF(7.51, 7.51, 7.51); Calibrated: 2018/06/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2018/01/18
- Phantom: Twin SAM Phantom_1496; Type: QD000P40CB;
- 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) = 0.744 W/kg

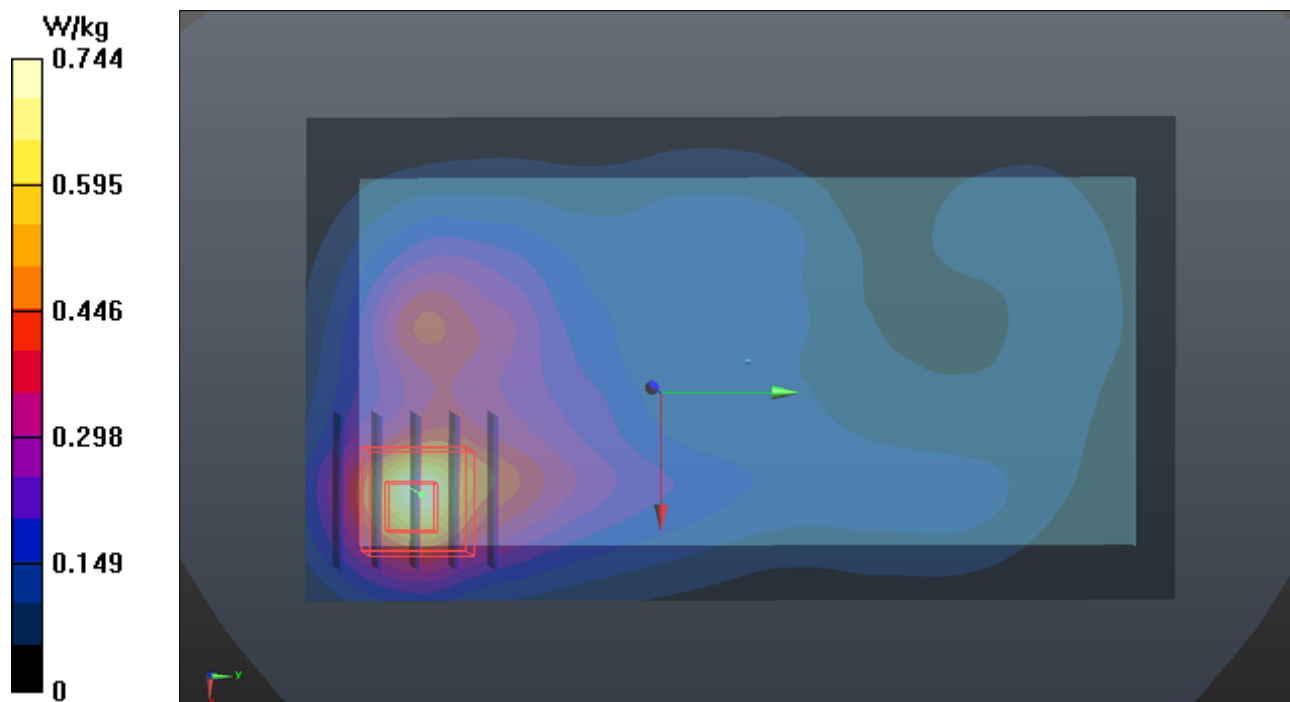
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.24 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.856 W/kg

SAR(1 g) = 0.419 W/kg; SAR(10 g) = 0.210 W/kg

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



P43 LTE 41_QPSK20M_Front Face_10mm_Ch41055_1RB_OS0_Sample1_Ant2

DUT: 180920C23

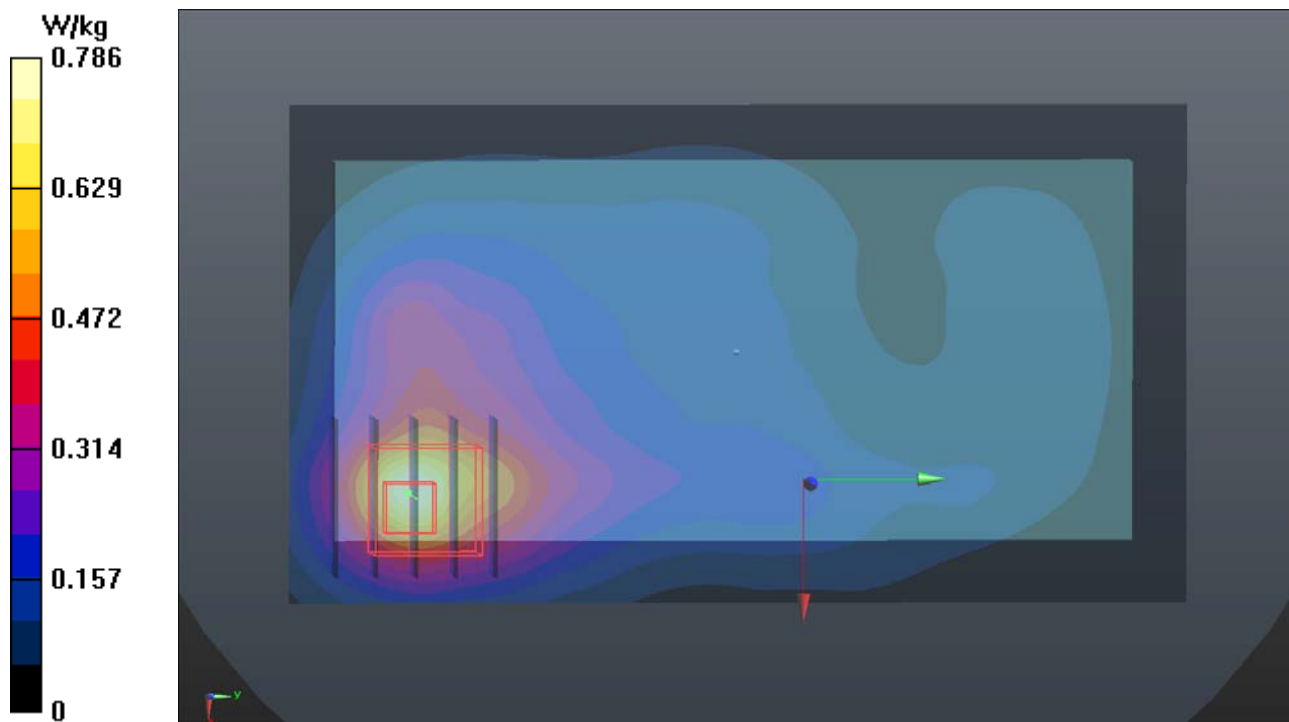
Communication System: LTE TDD CF0; Frequency: 2636.5 MHz; Duty Cycle: 1:1.58
Medium: B19T27N1_1127 Medium parameters used: $f = 2636.5$ MHz; $\sigma = 2.233$ S/m; $\epsilon_r = 50.794$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.5 °C ; Liquid Temperature : 23.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3898; ConvF(7.51, 7.51, 7.51); Calibrated: 2018/06/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2018/01/18
- Phantom: Twin SAM Phantom_1496; Type: QD000P40CB;
- 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) = 0.786 W/kg

- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 18.15 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 0.860 W/kg
SAR(1 g) = 0.394 W/kg; SAR(10 g) = 0.206 W/kg
Maximum value of SAR (measured) = 0.678 W/kg



P44 LTE 66_QPSK20M_Rera Face_10mm_Ch132572_1RB_OS0_Sample1_Ant1

DUT: 180920C23

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

Medium: B16T20N1_1127 Medium parameters used: $f = 1770$ MHz; $\sigma = 1.45$ S/m; $\epsilon_r = 51.697$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.5 °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: QD000P40CB;
- 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) = 0.184 W/kg

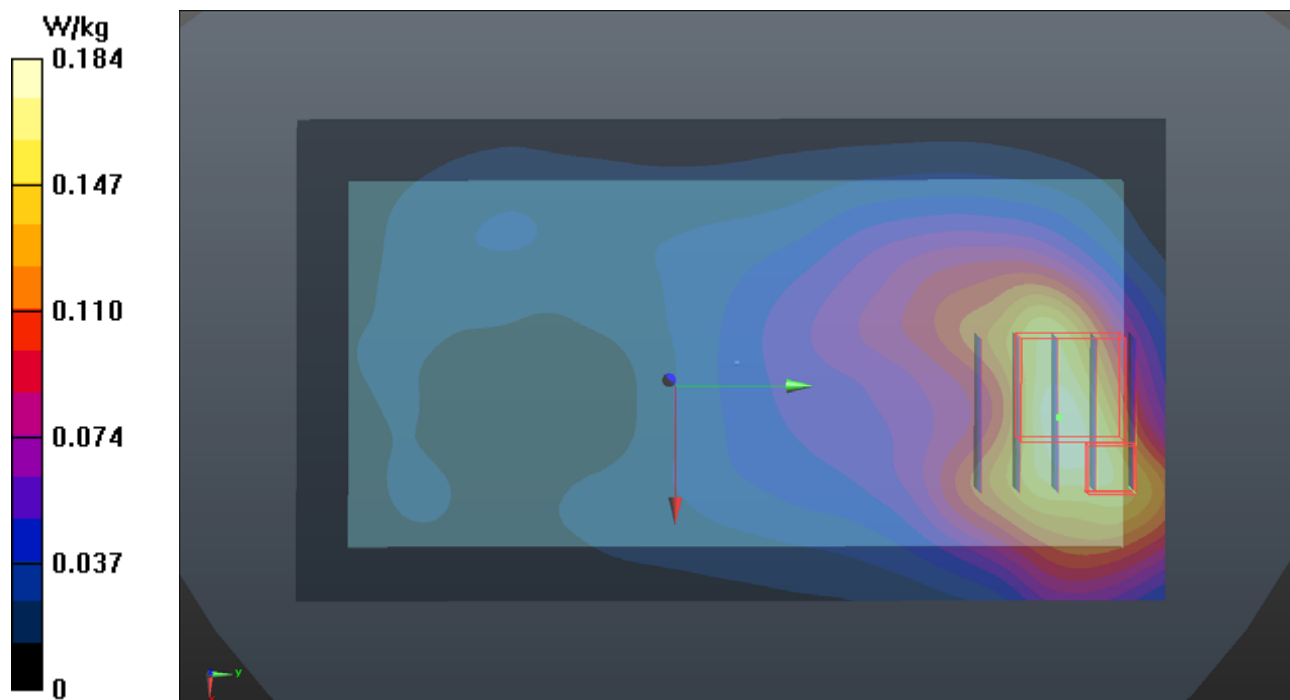
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.60 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.258 W/kg

SAR(1 g) = 0.143 W/kg; SAR(10 g) = 0.075 W/kg

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



P45 LTE 71_QPSK20M_Rera Face_10mm_Ch133297_1RB_OS0_Sample1_Ant1

DUT: 180920C23

Communication System: LTE; Frequency: 680.5 MHz; Duty Cycle: 1:1

Medium: B06T09N1_1127 Medium parameters used: $f = 680.5 \text{ MHz}$; $\sigma = 0.896 \text{ S/m}$; $\epsilon_r = 57.089$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 23.6 °C ; Liquid Temperature : 23.3 °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 (71x121x1):** Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.309 W/kg

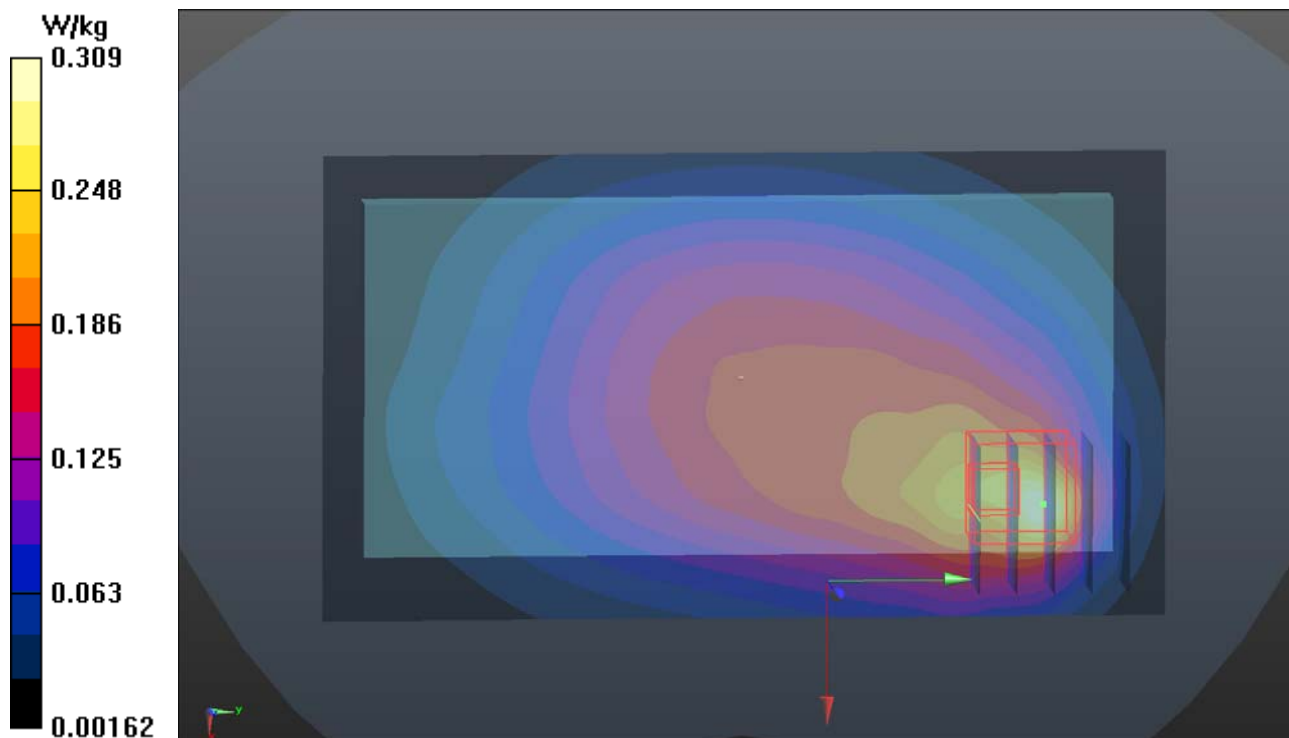
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 16.16 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.282 W/kg

SAR(1 g) = 0.165 W/kg; SAR(10 g) = 0.108 W/kg

Maximum value of SAR (measured) = 0.222 W/kg



P46 WLAN2.4G_802.11b_Rera Face_10mm_Ch6_Sample1_Ant0+1

DUT: 180920C23

Communication System: WLAN_2.4G; Frequency: 2437 MHz; Duty Cycle: 1:1.01

Medium: B19T27N1_1117 Medium parameters used: $f = 2437$ MHz; $\sigma = 2.01$ S/m; $\epsilon_r = 50.713$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.8 °C ; Liquid Temperature : 23.0 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(7.61, 7.61, 7.61); 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 (91x151x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

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

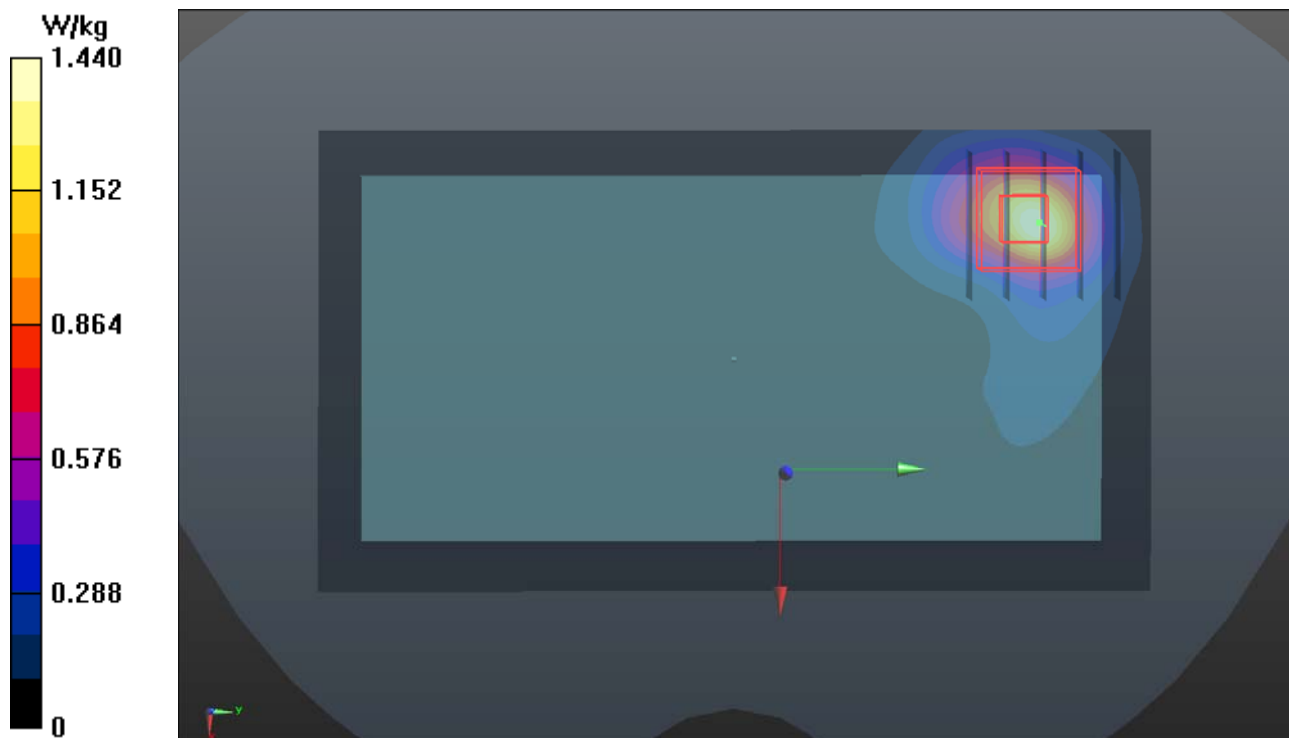
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 25.92 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 1.92 W/kg

SAR(1 g) = 0.940 W/kg; SAR(10 g) = 0.436 W/kg

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



P48 WLAN5.3G_802.11n HT40_Rear Face_10mm_Ch54_Sample1_Ant1

DUT: 180920C23

Communication System: WLAN_5G; Frequency: 5270 MHz; Duty Cycle: 1:1.05

Medium: B34T60N1_1117 Medium parameters used: $f = 5270$ MHz; $\sigma = 5.336$ S/m; $\epsilon_r = 46.888$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.6 °C ; Liquid Temperature : 23.2 °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 (101x181x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

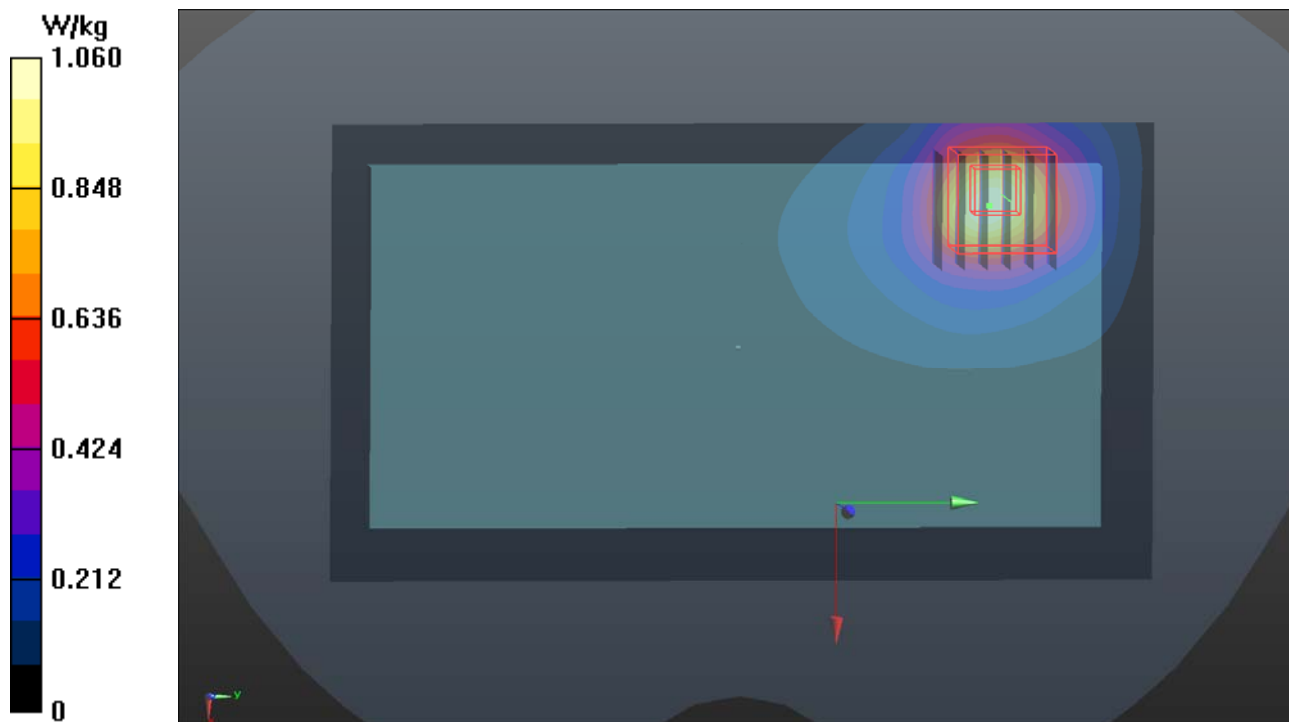
- **Zoom Scan (6x6x12)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=2mm

Reference Value = 15.65 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 2.59 W/kg

SAR(1 g) = 0.621 W/kg; SAR(10 g) = 0.207 W/kg

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



P49 WLAN5.6G_802.11ac VHT80_Rera Face_10mm_Ch138_Sample1_Ant0+1

DUT: 180920C23

Communication System: WLAN_5G; Frequency: 5690 MHz; Duty Cycle: 1:1.09

Medium: B34T60N1_1028 Medium parameters used: $f = 5690$ MHz; $\sigma = 6.041$ S/m; $\epsilon_r = 46.3$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.7 °C ; Liquid Temperature : 23.2 °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 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) = 1.34 W/kg

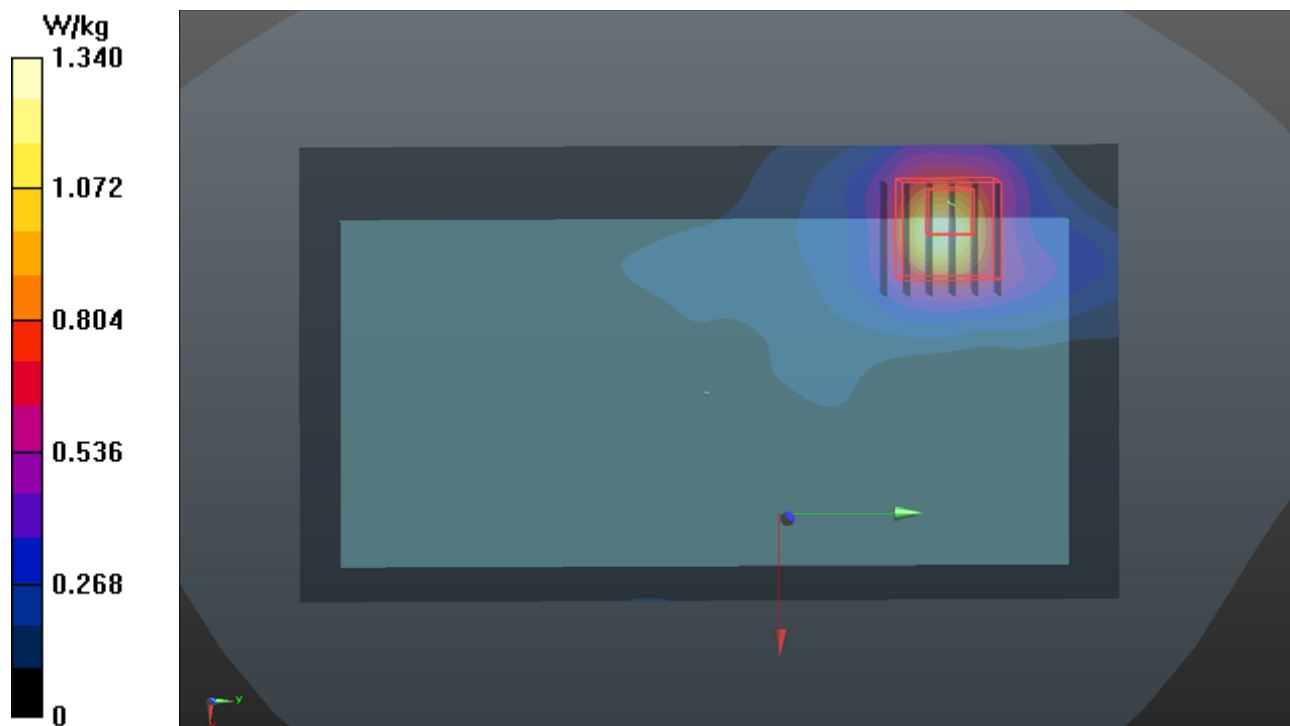
- **Zoom Scan (6x6x12)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=2mm

Reference Value = 15.09 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 2.47 W/kg

SAR(1 g) = 0.645 W/kg; SAR(10 g) = 0.213 W/kg

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



P50 WLAN5.8G_802.11ac VHT80_Rear Face_10mm_Ch155_Sample1_Ant0+1

DUT: 180920C23

Communication System: WLAN_5G; Frequency: 5775 MHz; Duty Cycle: 1:1.09

Medium: B34T60N1_1206 Medium parameters used: $f = 5775$ MHz; $\sigma = 5.946$ S/m; $\epsilon_r = 47.5$; $\rho = 1000$ kg/m³

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) = 0.921 W/kg

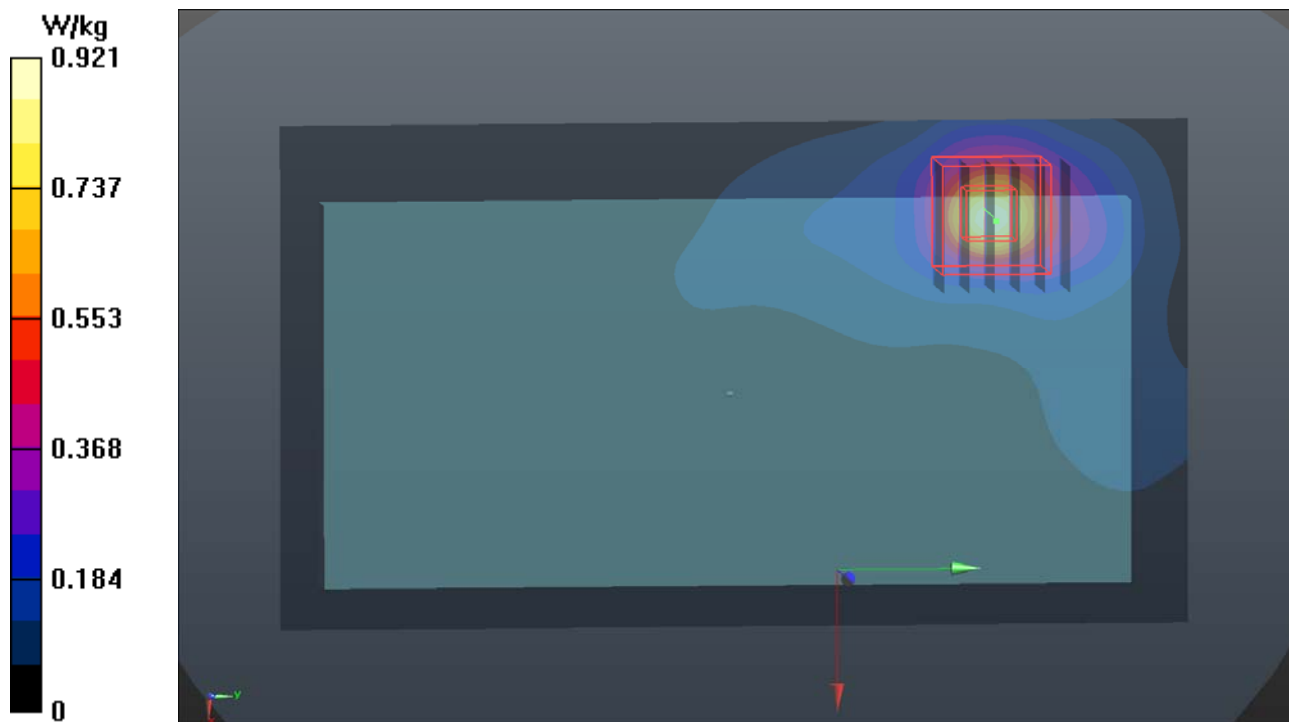
- **Zoom Scan (6x6x12)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=2mm

Reference Value = 14.28 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 1.69 W/kg

SAR(1 g) = 0.358 W/kg; SAR(10 g) = 0.124 W/kg

Maximum value of SAR (measured) = 0.933 W/kg



P51 BT_BDR_Rera Face_10mm_Ch0_Sample1_Ant0

DUT: 180920C23

Communication System: BT; Frequency: 2402 MHz; Duty Cycle: 1:1.33

Medium: B19T27N1_1028 Medium parameters used: $f = 2402$ MHz; $\sigma = 1.974$ S/m; $\epsilon_r = 52.226$; $\rho = 1000$ kg/m³

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) = 0.116 W/kg

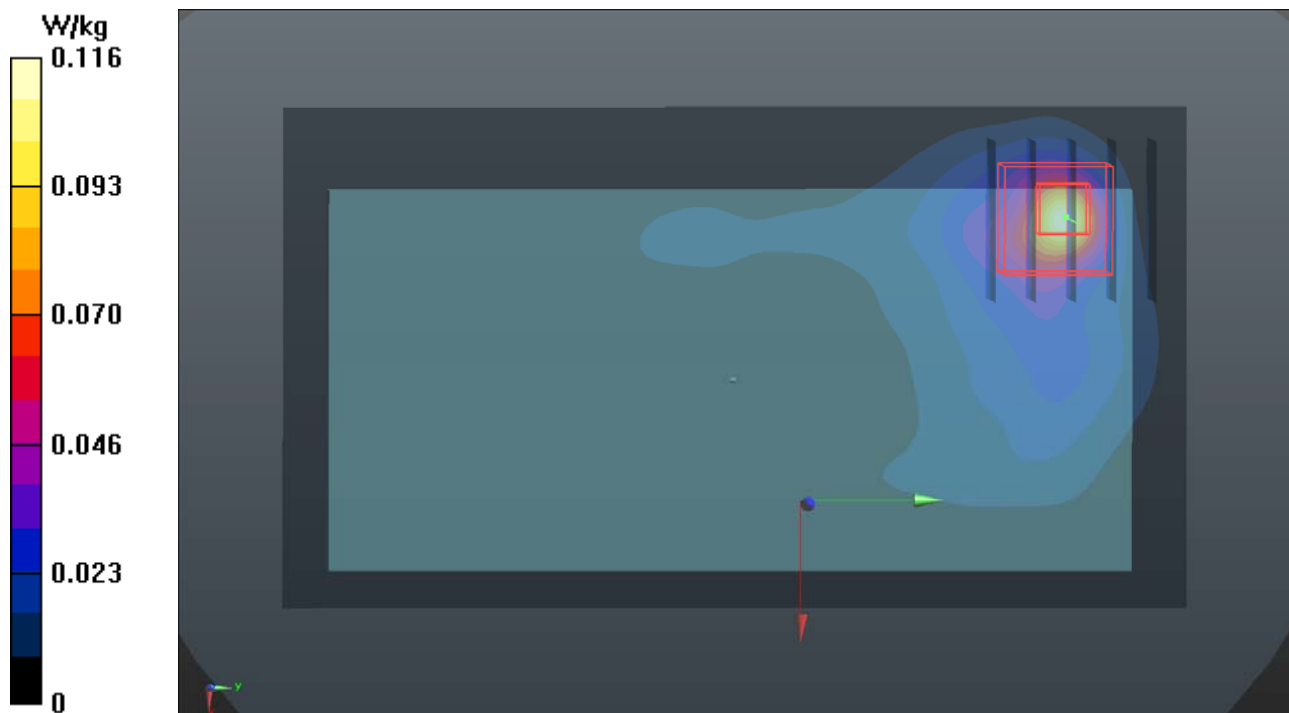
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.511 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.107 W/kg

SAR(1 g) = 0.050 W/kg; SAR(10 g) = 0.024 W/kg

Maximum value of SAR (measured) = 0.0819 W/kg



P52 LTE 30_QPSK10M_Right Side_10mm_Ch27710_1RB_OS0_Sample1_Ant2

DUT: 180920C23

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

Medium: B19T27N1_1105 Medium parameters used: $f = 2310$ MHz; $\sigma = 1.885$ S/m; $\epsilon_r = 53.722$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3898; ConvF(7.75, 7.75, 7.75); 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 (71x151x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 1.05 W/kg

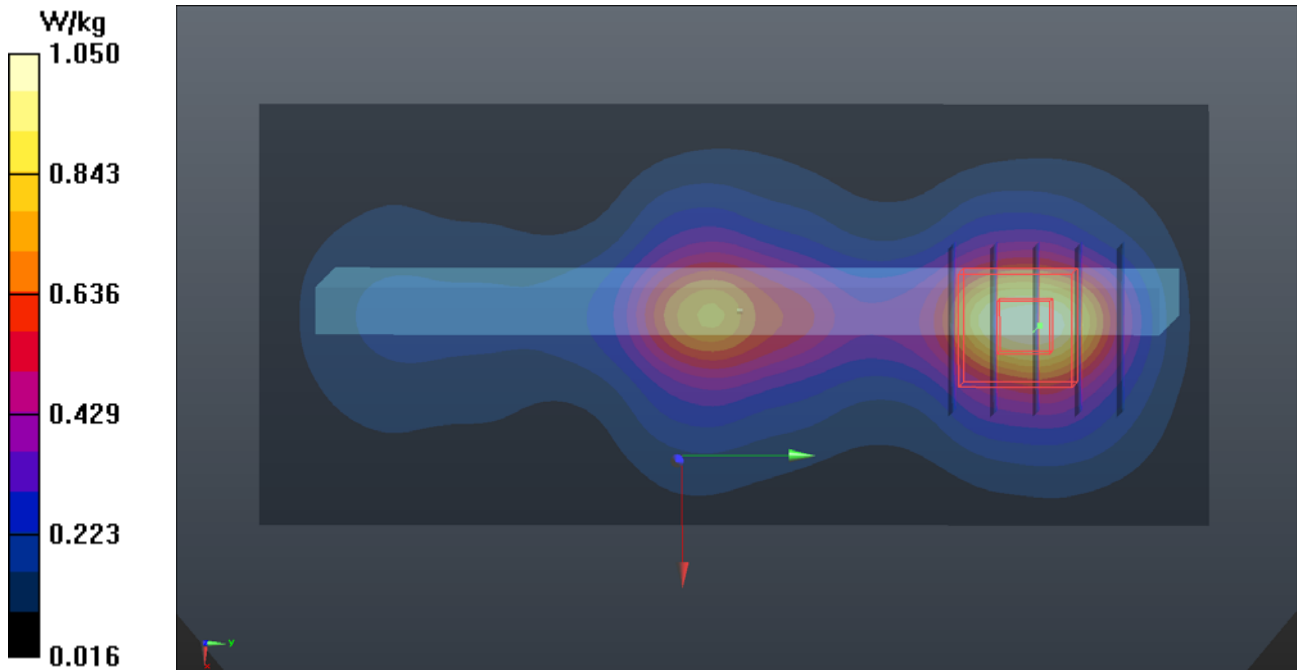
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 23.97 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 1.29 W/kg

SAR(1 g) = 0.720 W/kg; SAR(10 g) = 0.383 W/kg

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



P47 WLAN5.2G_802.11n HT40_Rear Face_10mm_Ch46_Sample1_Ant1

DUT: 180920C23

Communication System: WLAN_5G; Frequency: 5230 MHz; Duty Cycle: 1:1.05

Medium: B34T60N1_1117 Medium parameters used: $f = 5230$ MHz; $\sigma = 5.303$ S/m; $\epsilon_r = 46.941$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.6 °C ; Liquid Temperature : 23.2 °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 (101x181x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

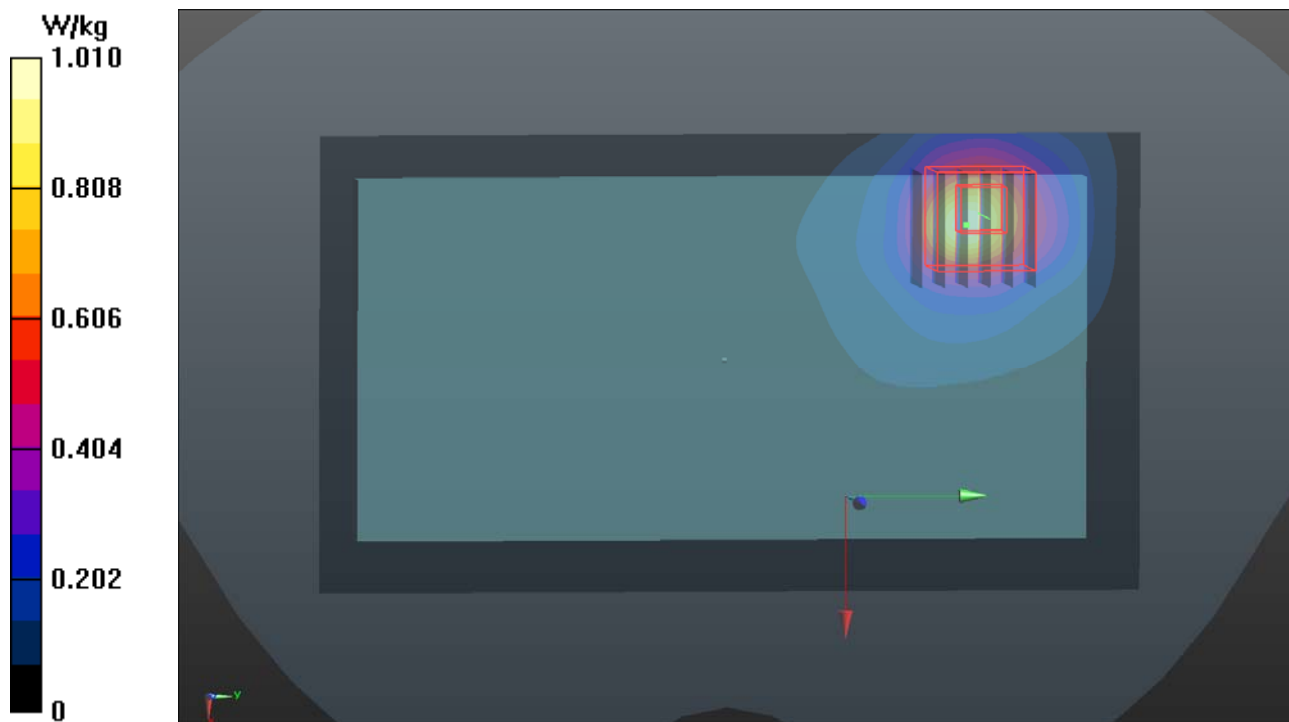
- **Zoom Scan (6x6x12)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=2mm

Reference Value = 15.57 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 2.18 W/kg

SAR(1 g) = 0.602 W/kg; SAR(10 g) = 0.202 W/kg

Maximum value of SAR (measured) = 1.37 W/kg



P53 WLAN5.8G_802.11ac VHT80_Right Side_10mm_Ch155_Sample1_Ant0+1

DUT: 180920C23

Communication System: WLAN_5G; Frequency: 5775 MHz; Duty Cycle: 1:1.09

Medium: B34T60N1_1117 Medium parameters used: $f = 5775$ MHz; $\sigma = 6.002$ S/m; $\epsilon_r = 46.063$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.6 °C ; Liquid Temperature : 23.2 °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 (61x181x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.882 W/kg

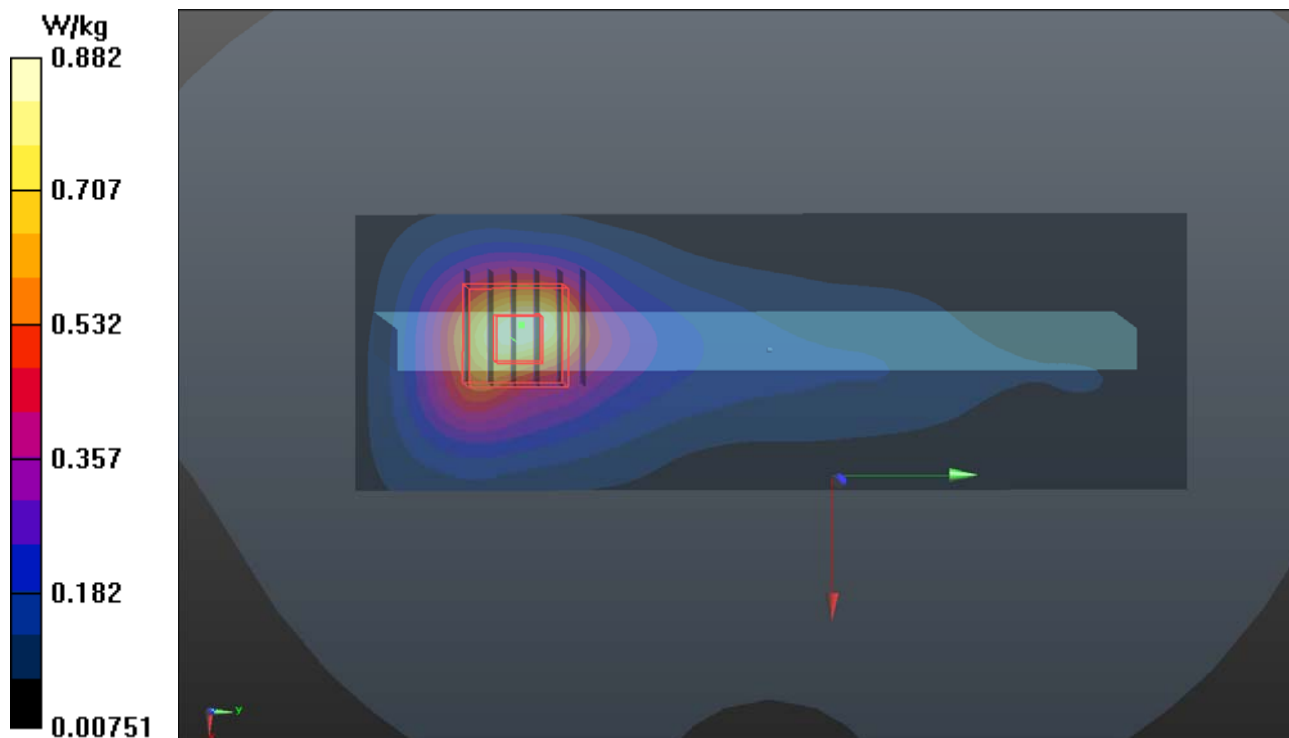
- **Zoom Scan (6x6x12)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=2mm

Reference Value = 12.74 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 1.89 W/kg

SAR(1 g) = 0.452 W/kg; SAR(10 g) = 0.171 W/kg

Maximum value of SAR (measured) = 1.05 W/kg



P76 WLAN5.3G_802.11n HT40_Rera Face_0mm_Ch54_Sample1_Ant1

DUT: 180920C23

Communication System: WLAN_5G; Frequency: 5270 MHz; Duty Cycle: 1:1.05

Medium: B34T60N1_1027 Medium parameters used: $f = 5270$ MHz; $\sigma = 5.538$ S/m; $\epsilon_r = 47.715$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.7 °C ; Liquid Temperature : 23.4 °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) = 6.89 W/kg

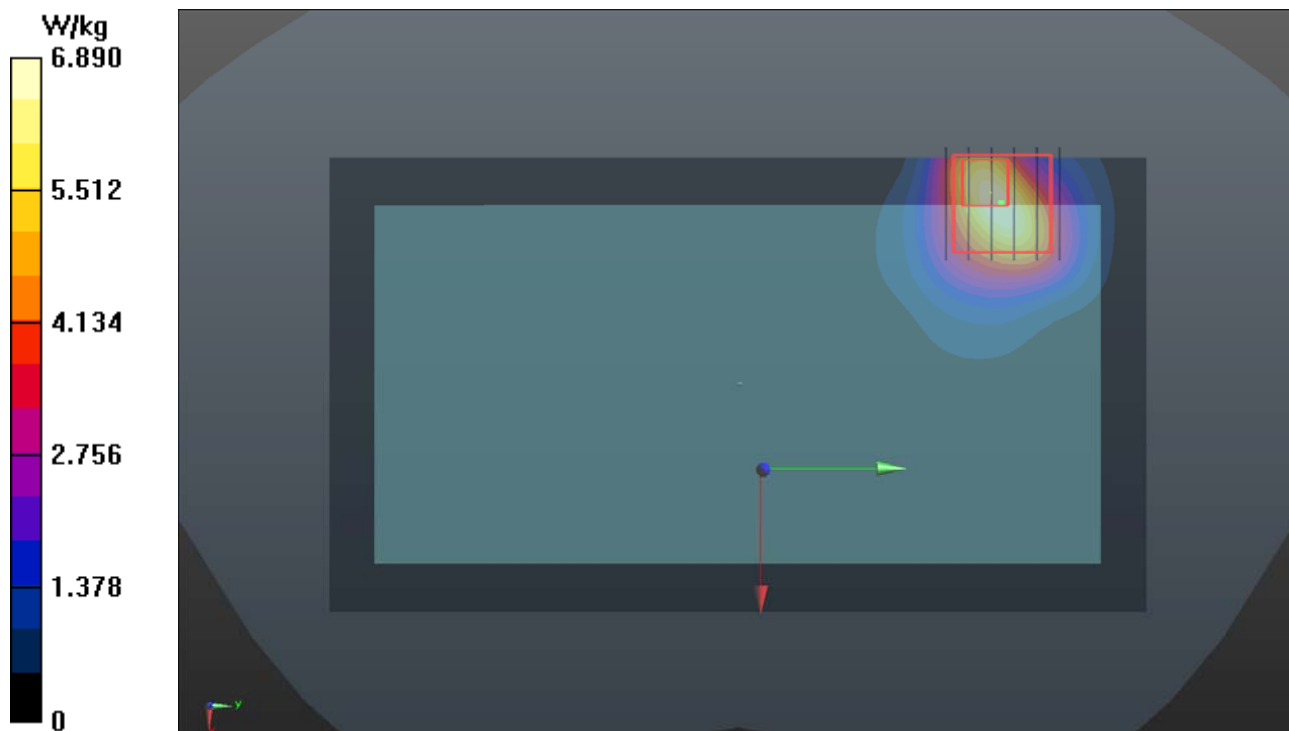
- **Zoom Scan (6x6x12)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=2mm

Reference Value = 34.10 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 51.2 W/kg

SAR(1 g) = 9.35 W/kg; SAR(10 g) = 2.33 W/kg

Maximum value of SAR (measured) = 28.6 W/kg



P55 WLAN5.6G_802.11ac VHT80_Right Side_0mm_Ch138_Sample1_Ant1

DUT: 180920C23

Communication System: WLAN_5G; Frequency: 5690 MHz; Duty Cycle: 1:1.08

Medium: B34T60N1_1028 Medium parameters used: $f = 5690$ MHz; $\sigma = 6.041$ S/m; $\epsilon_r = 46.3$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.6 °C ; Liquid Temperature : 23.3 °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 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 (61x181x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 9.54 W/kg

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

Reference Value = 45.36 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 29.5 W/kg

SAR(1 g) = 5.07 W/kg; SAR(10 g) = 1.06 W/kg

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

