

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/m³

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

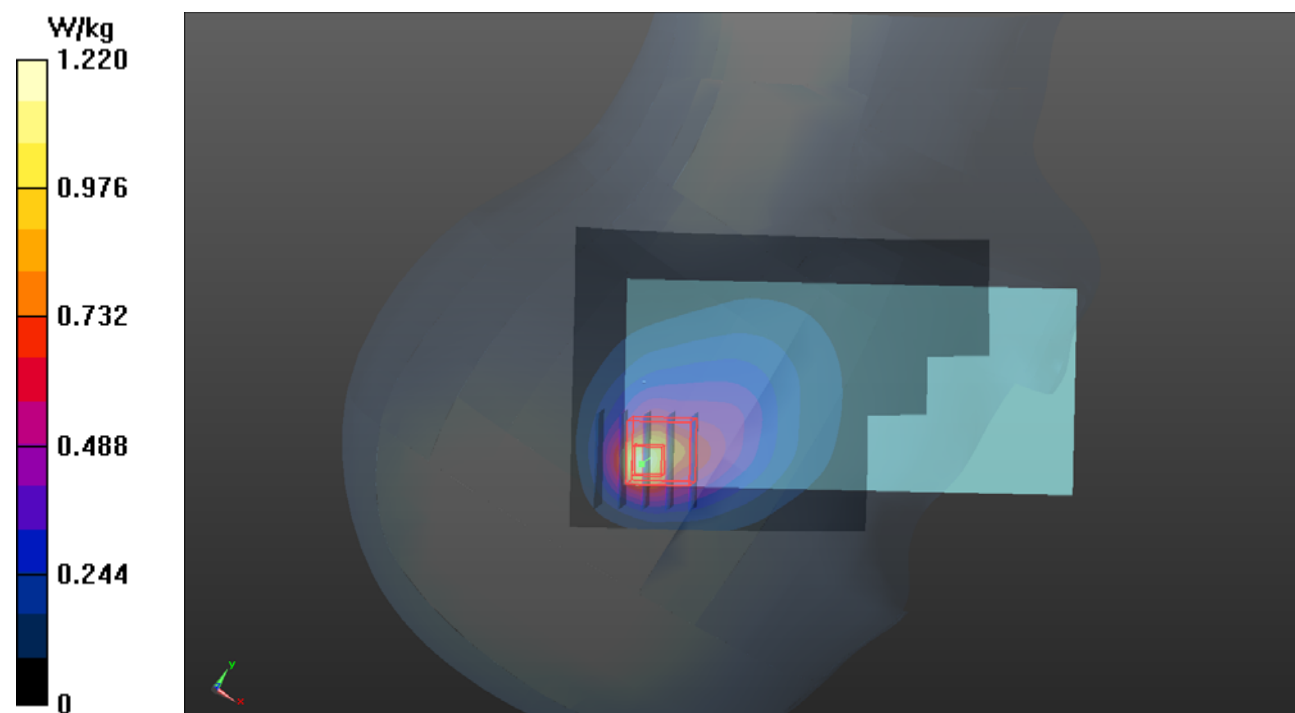
- Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

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/m³

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

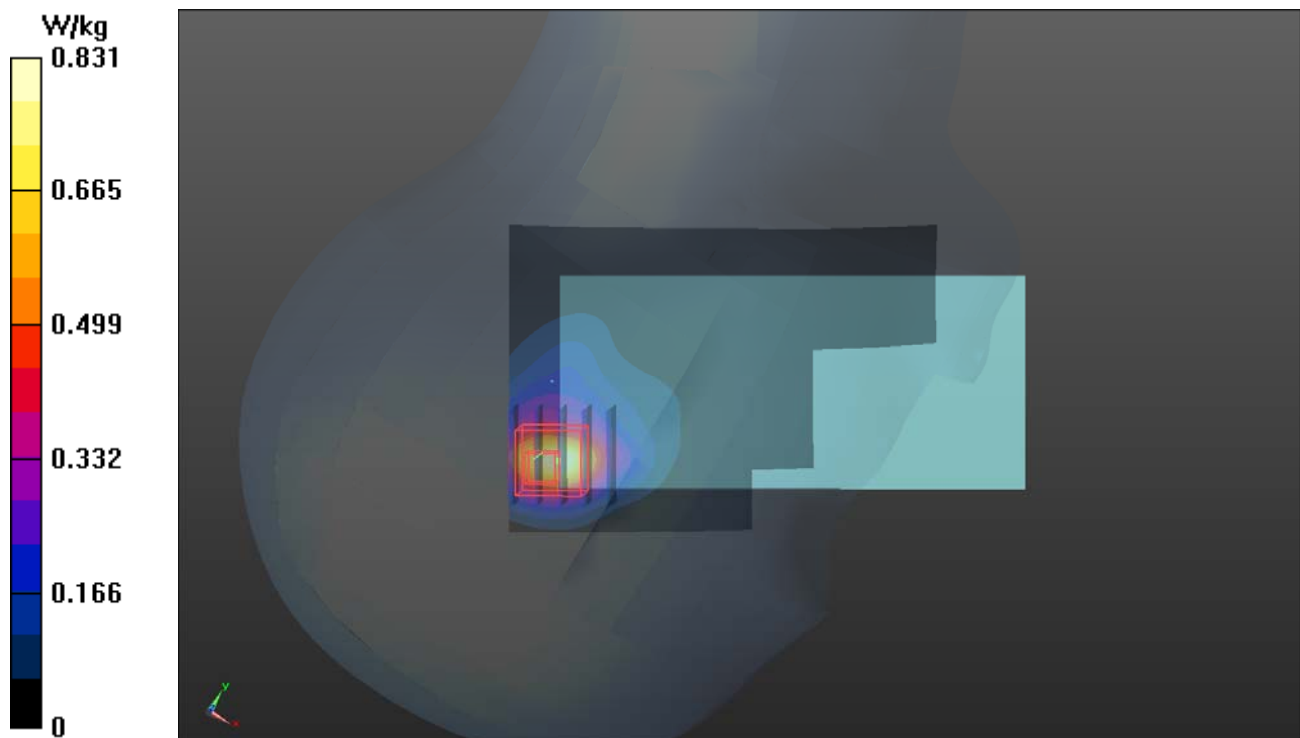
- Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

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/m³

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

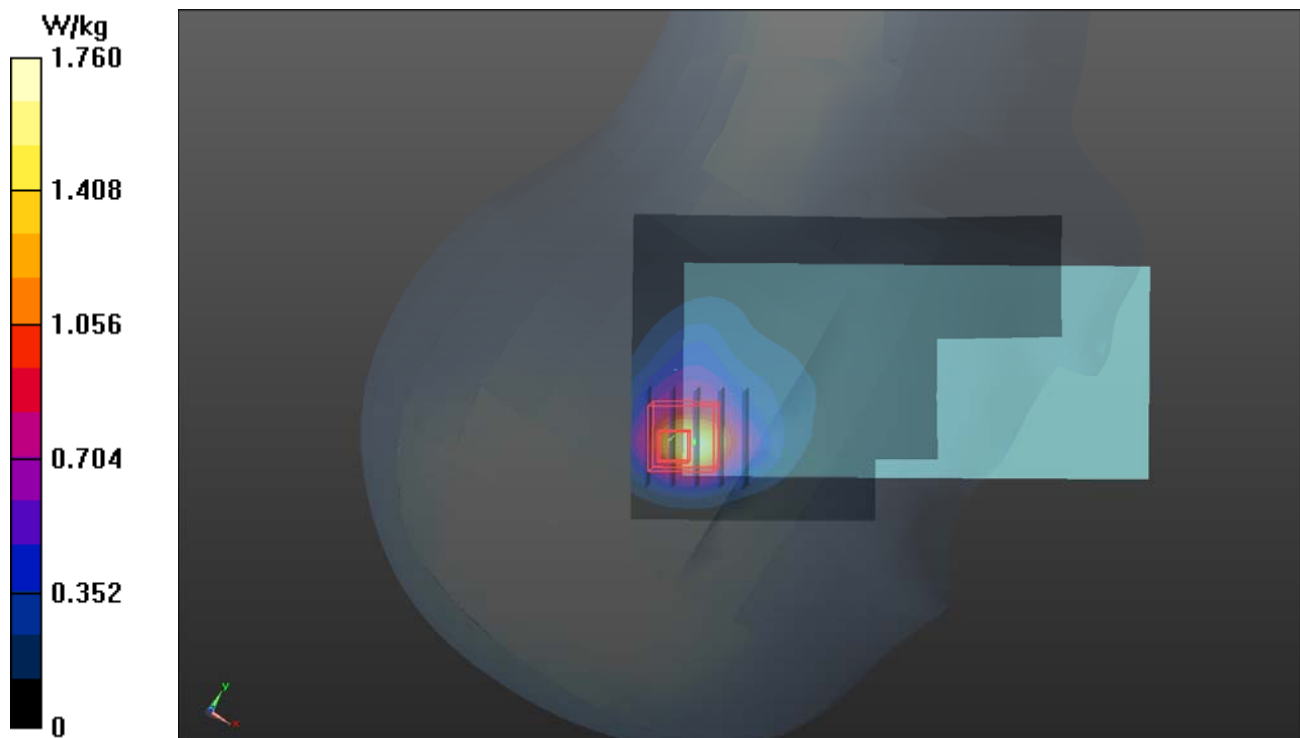
- Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

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/m³

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

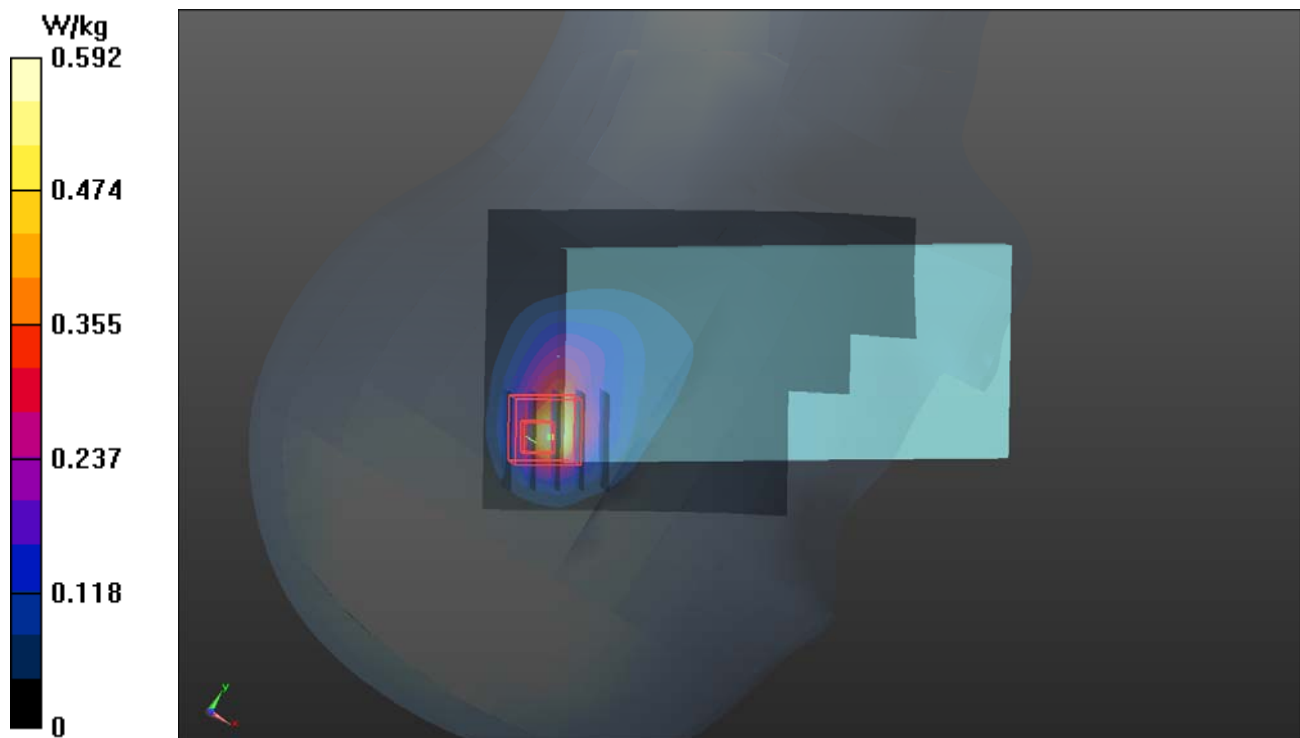
- Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

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/m³

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

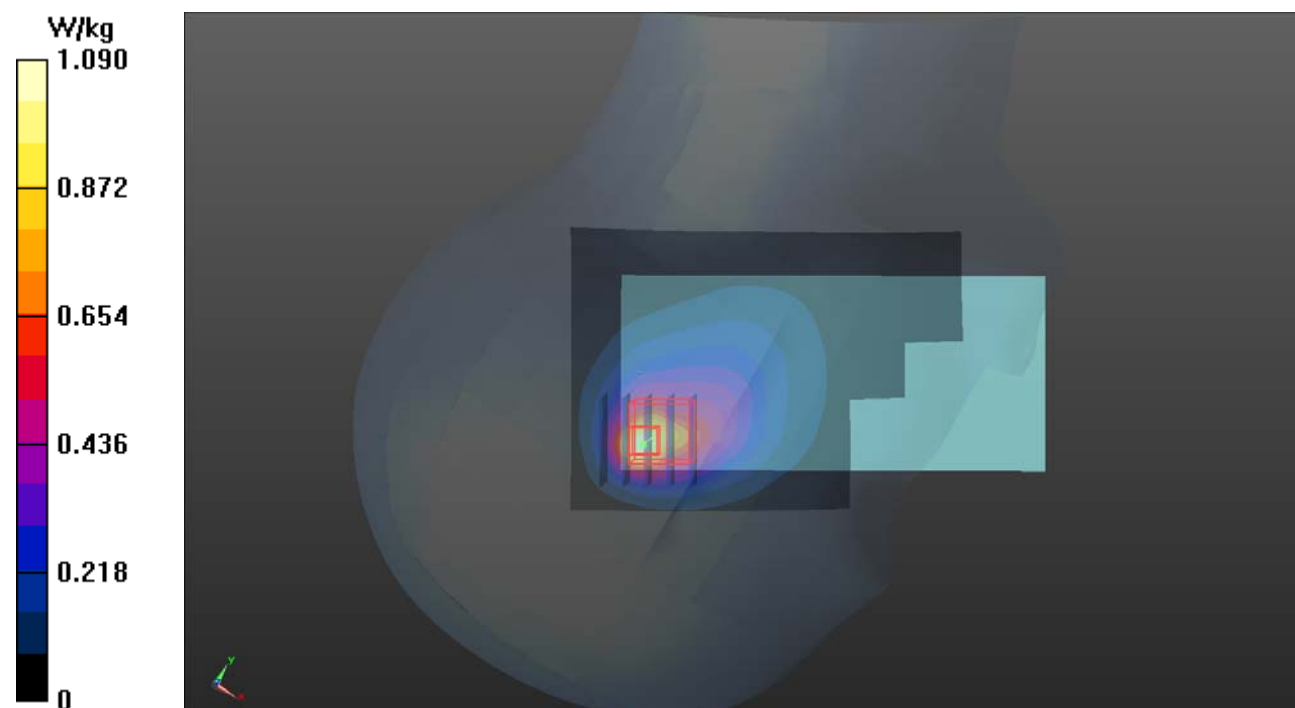
- Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

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/m³

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

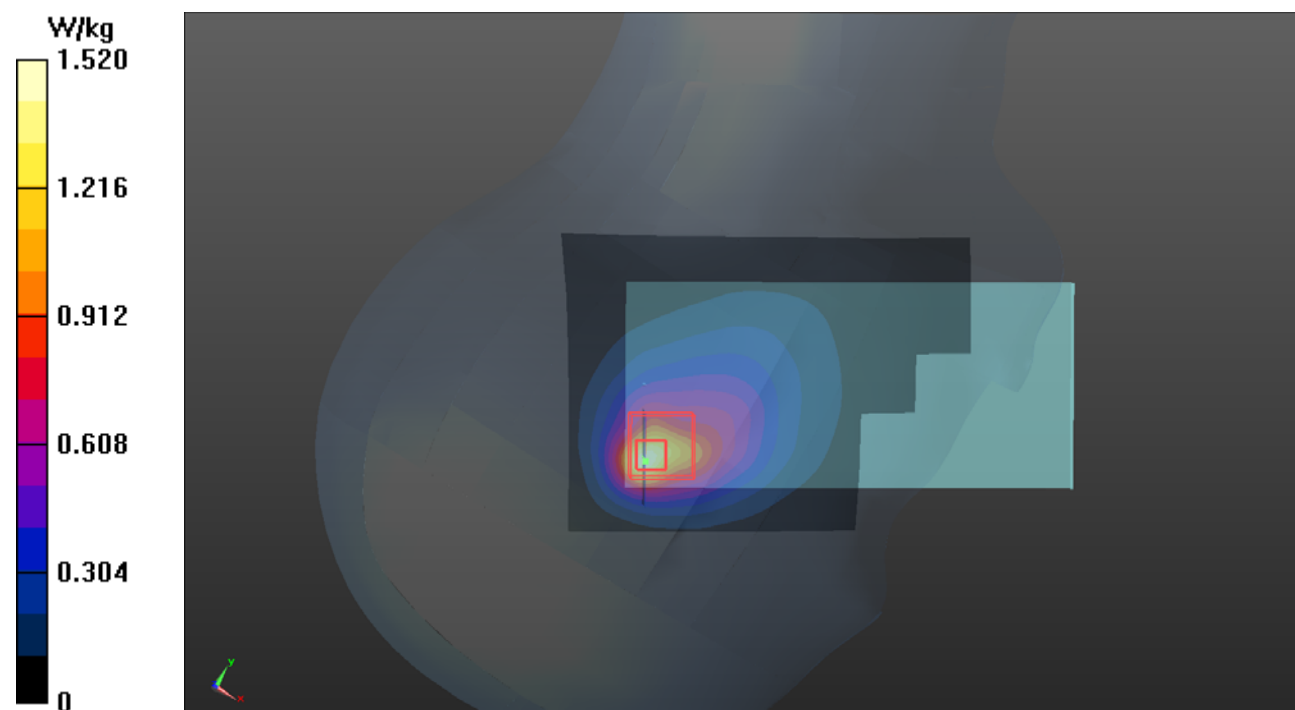
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

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/m³

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

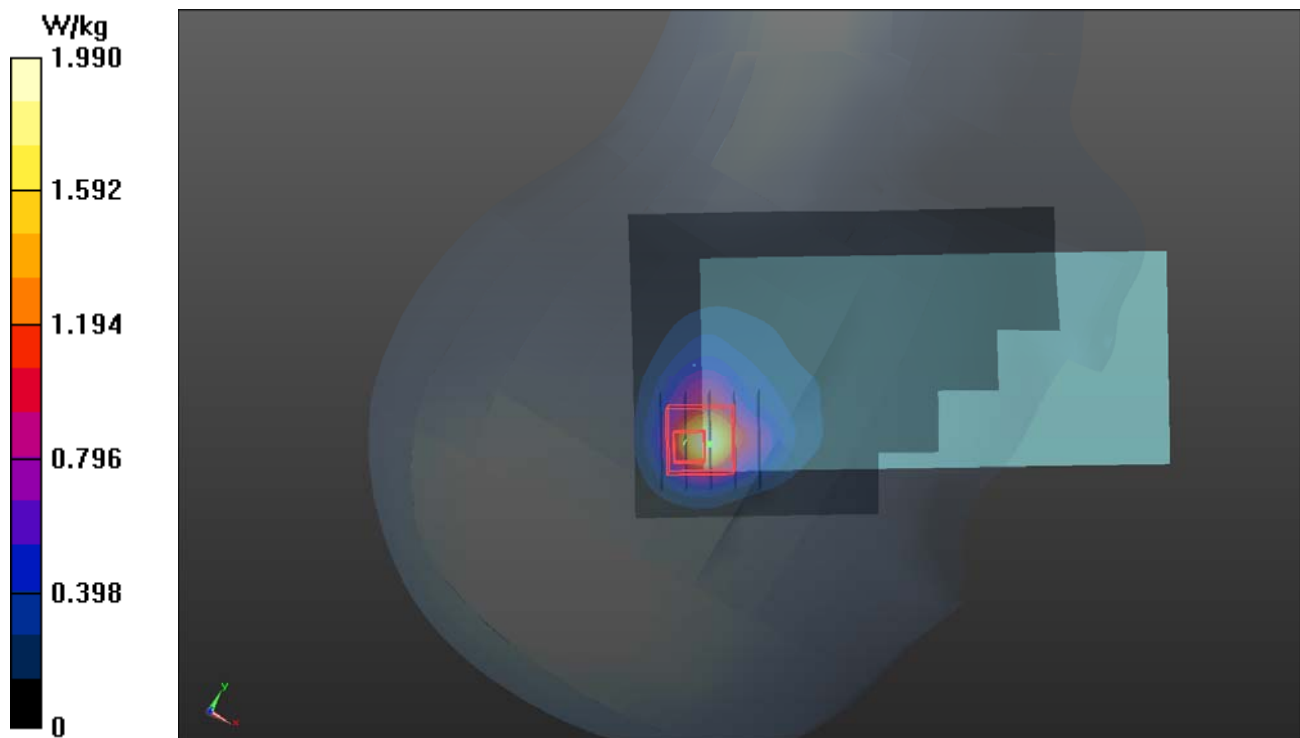
- Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

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/m³

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

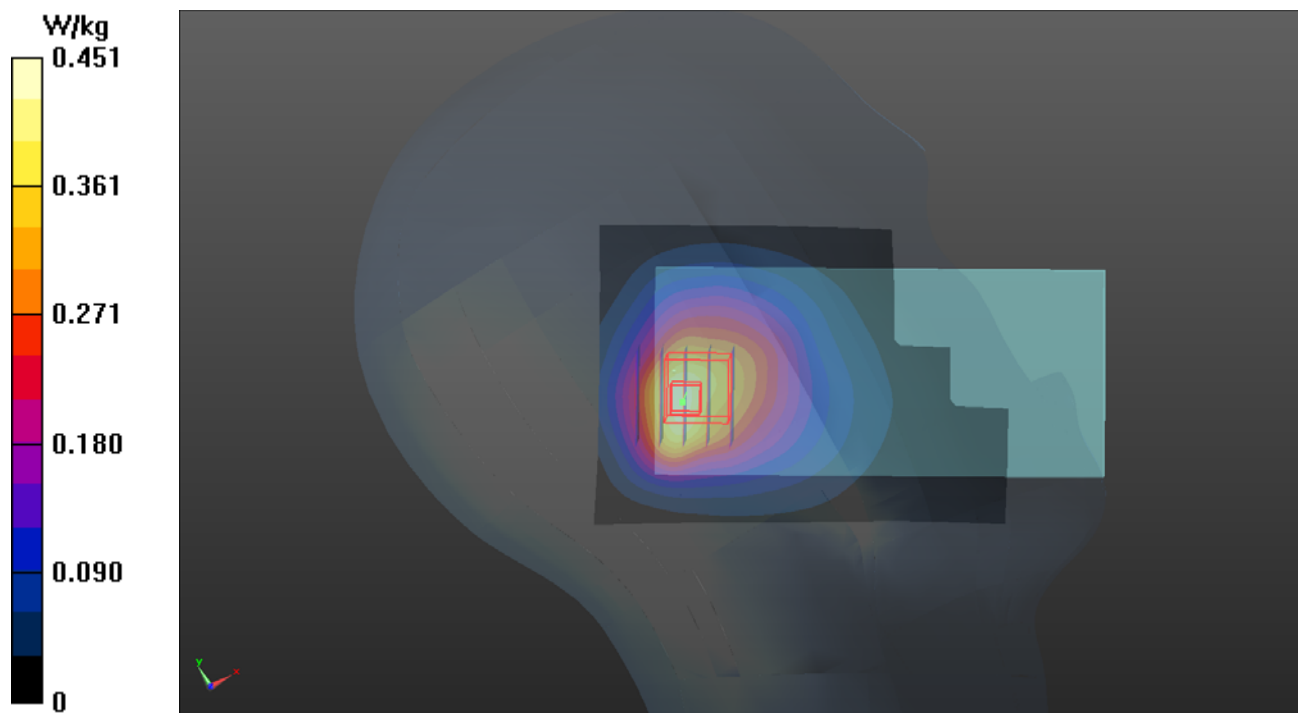
- Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

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/m³

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

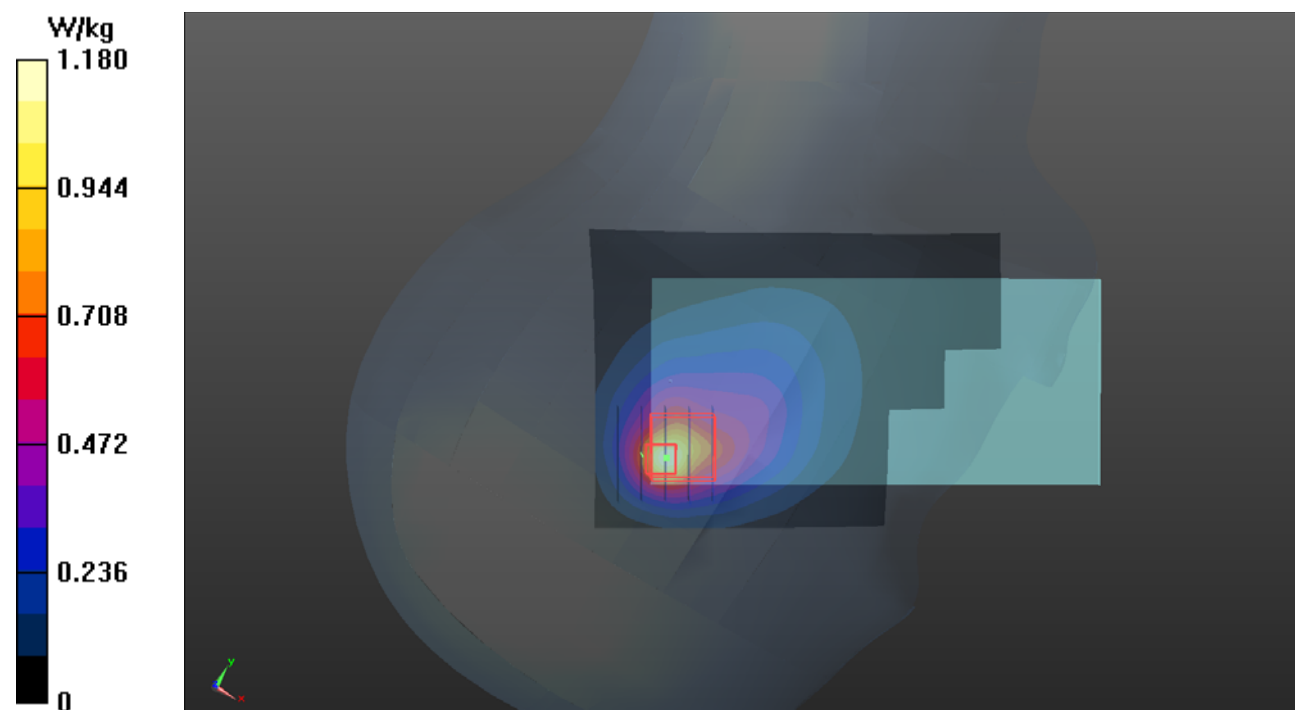
- Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

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/m³

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

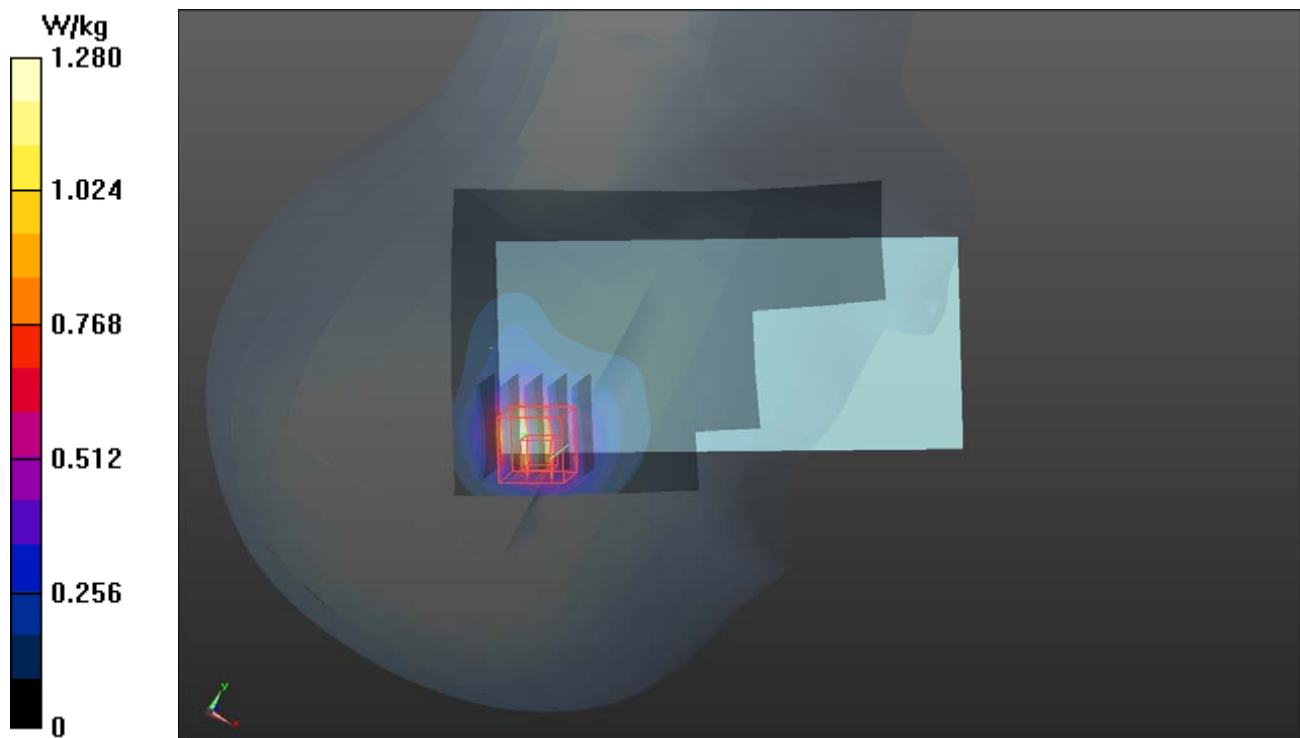
- Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

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

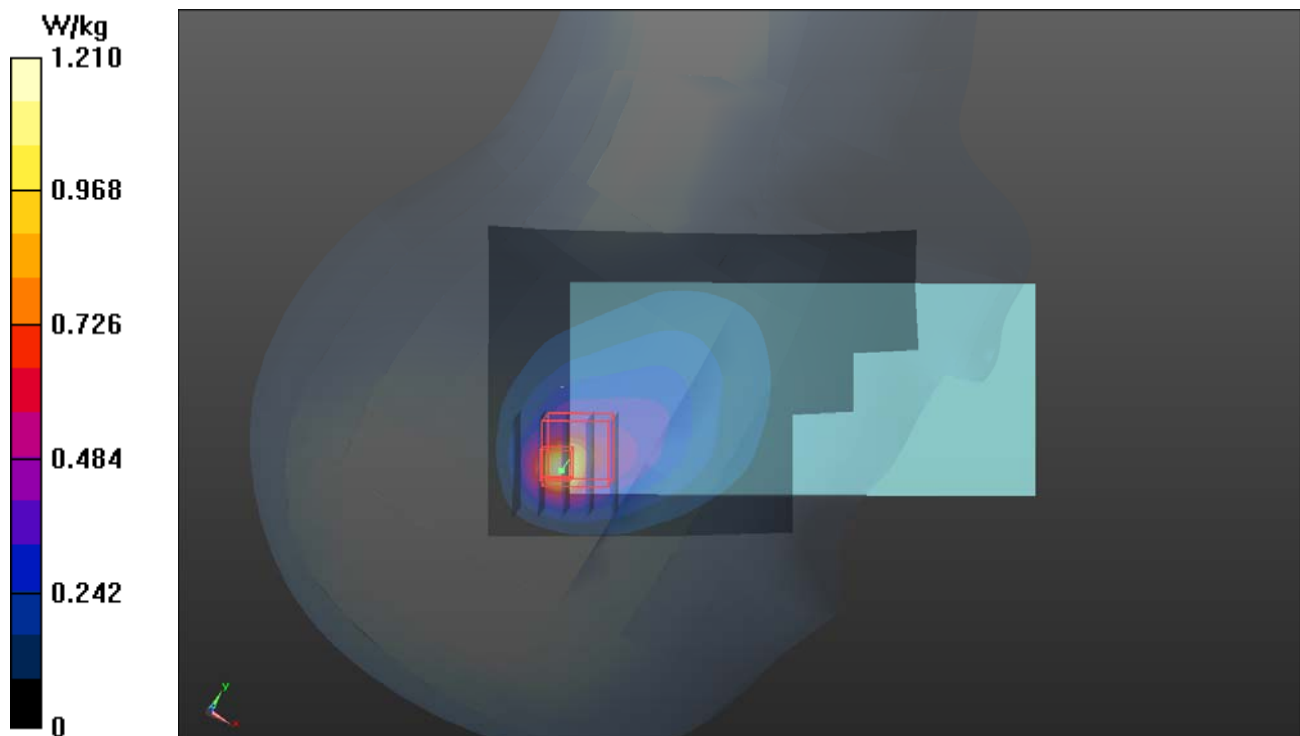
- Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

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°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) = 1.07 W/kg

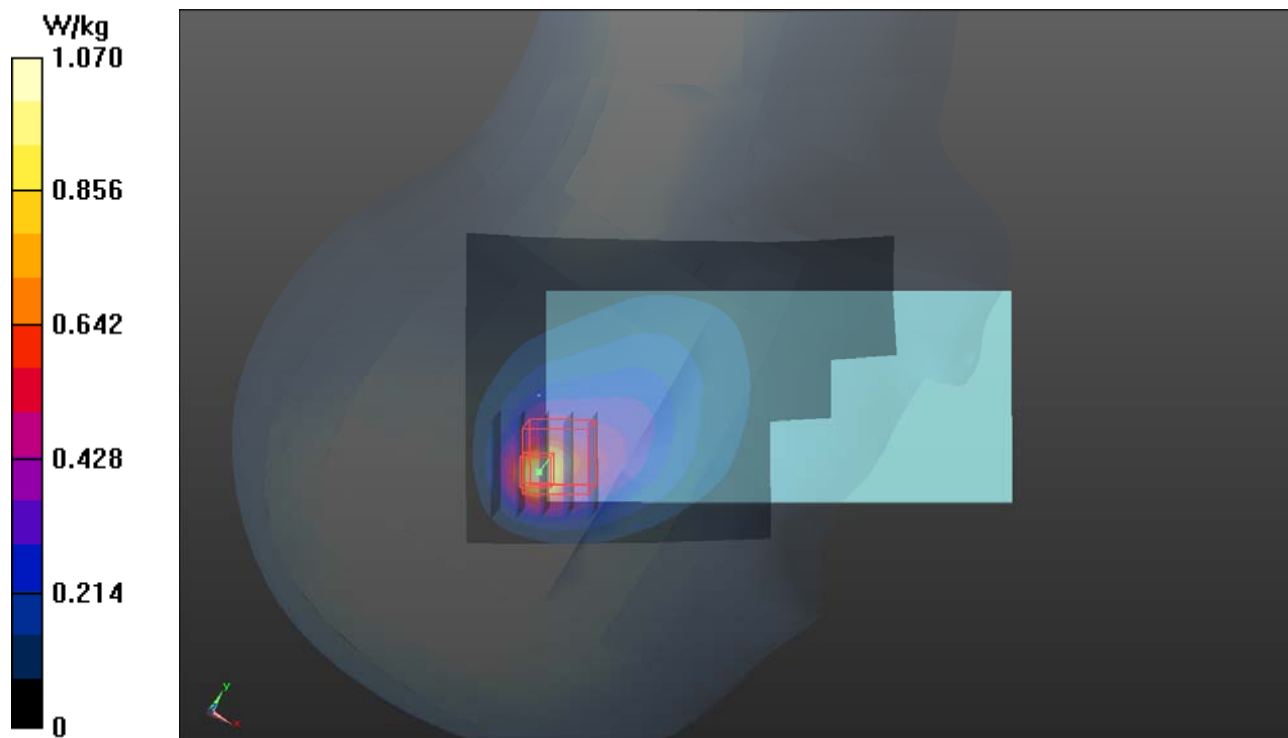
- Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 30.46 V/m ; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 1.07 W/kg

SAR(1 g) = 0.442 W/kg ; SAR(10 g) = 0.250 W/kg

Maximum value of SAR (measured) = 0.709 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: $f = 793$ MHz; $\sigma = 0.931$ S/m; $\epsilon_r = 42.791$; $\rho = 1000$ kg/m³

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 mm, dy=1.500 mm

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

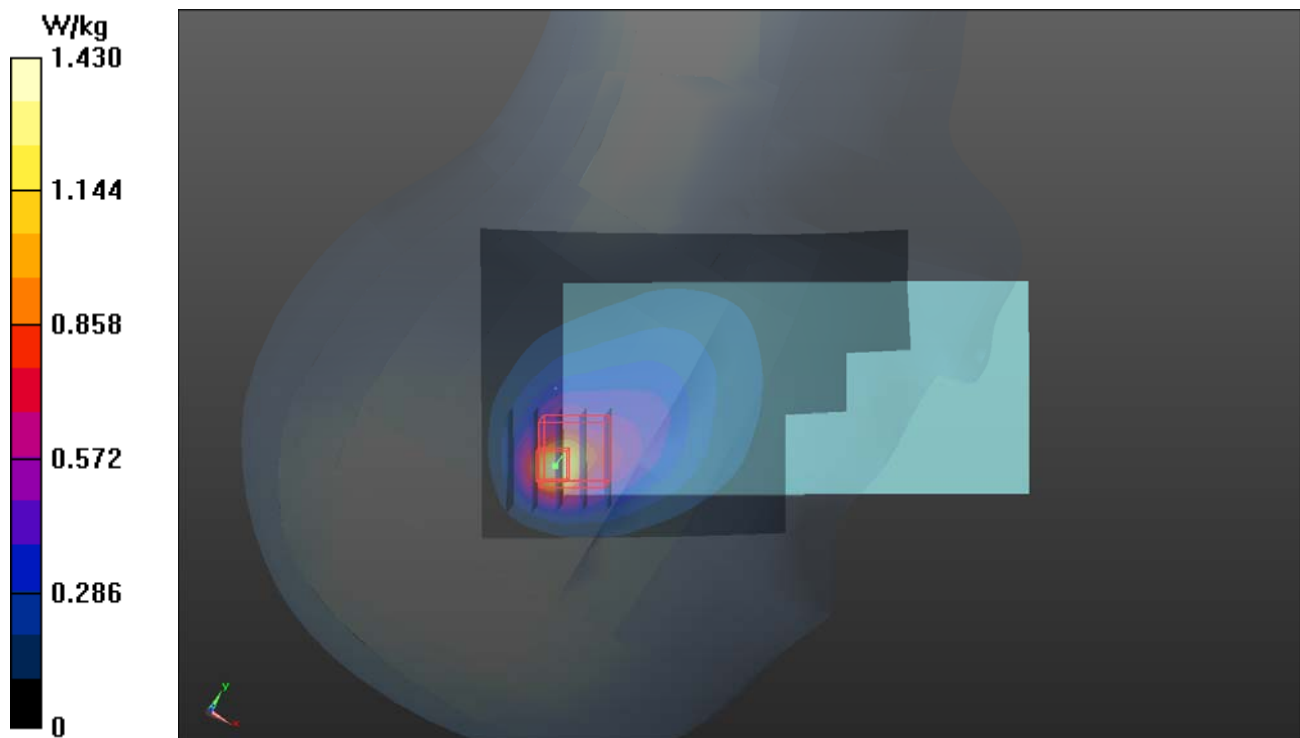
- Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

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/m³

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

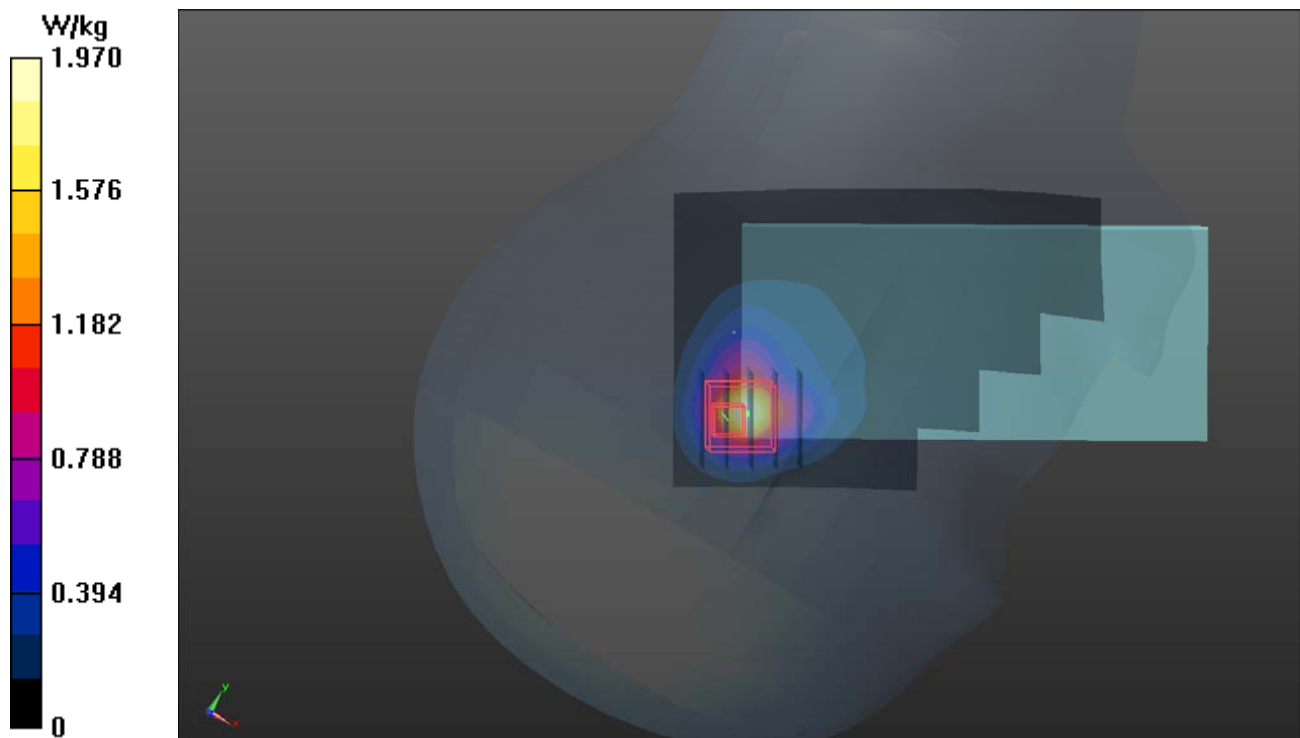
- Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

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: $f = 831.5$ MHz; $\sigma = 0.916$ S/m; $\epsilon_r = 41.793$; $\rho = 1000$ kg/m³

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

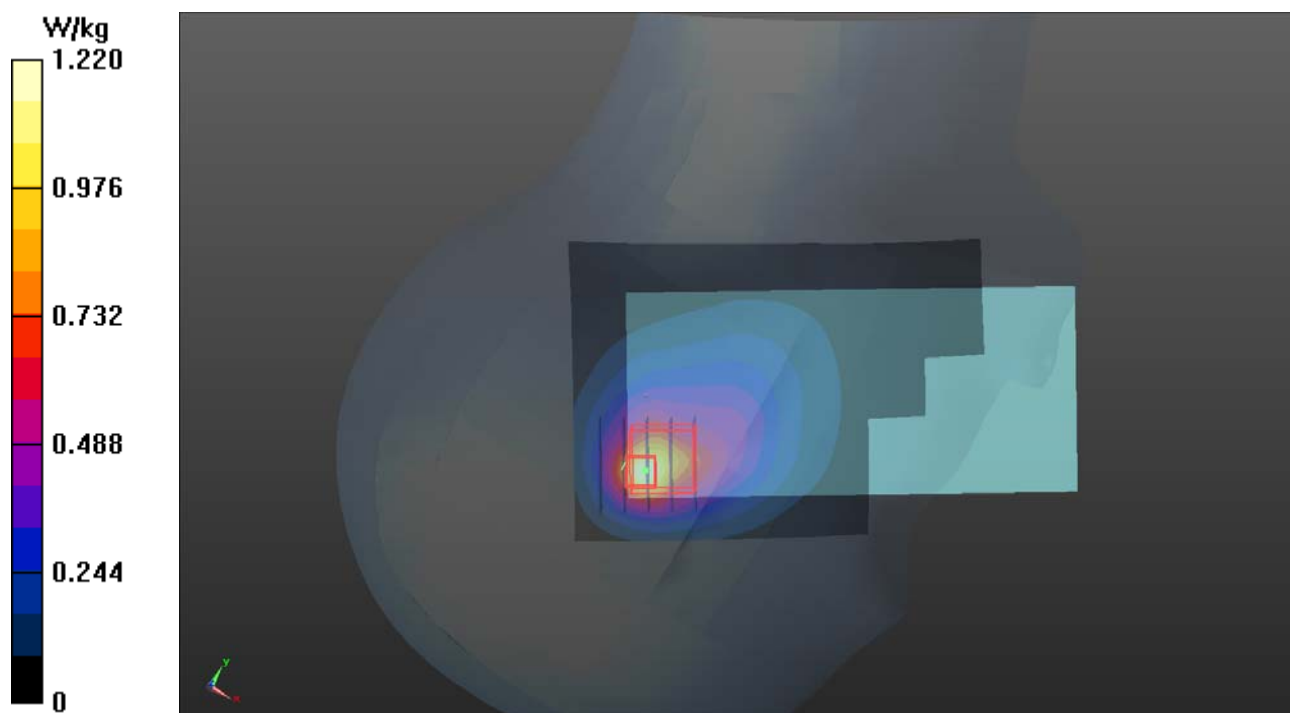
- Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 34.81 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 1.27 W/kg

SAR(1 g) = 0.599 W/kg; SAR(10 g) = 0.365 W/kg

Maximum value of SAR (measured) = 0.897 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/m³

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

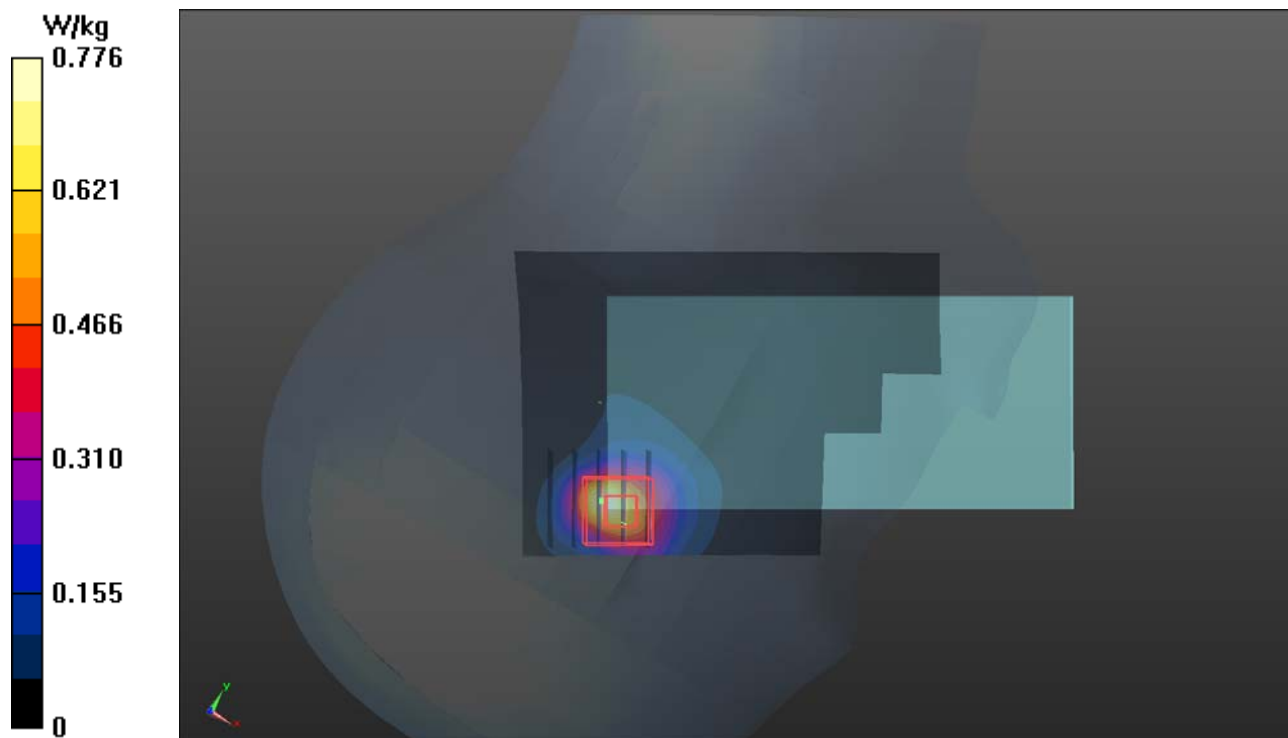
- Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

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/m³

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

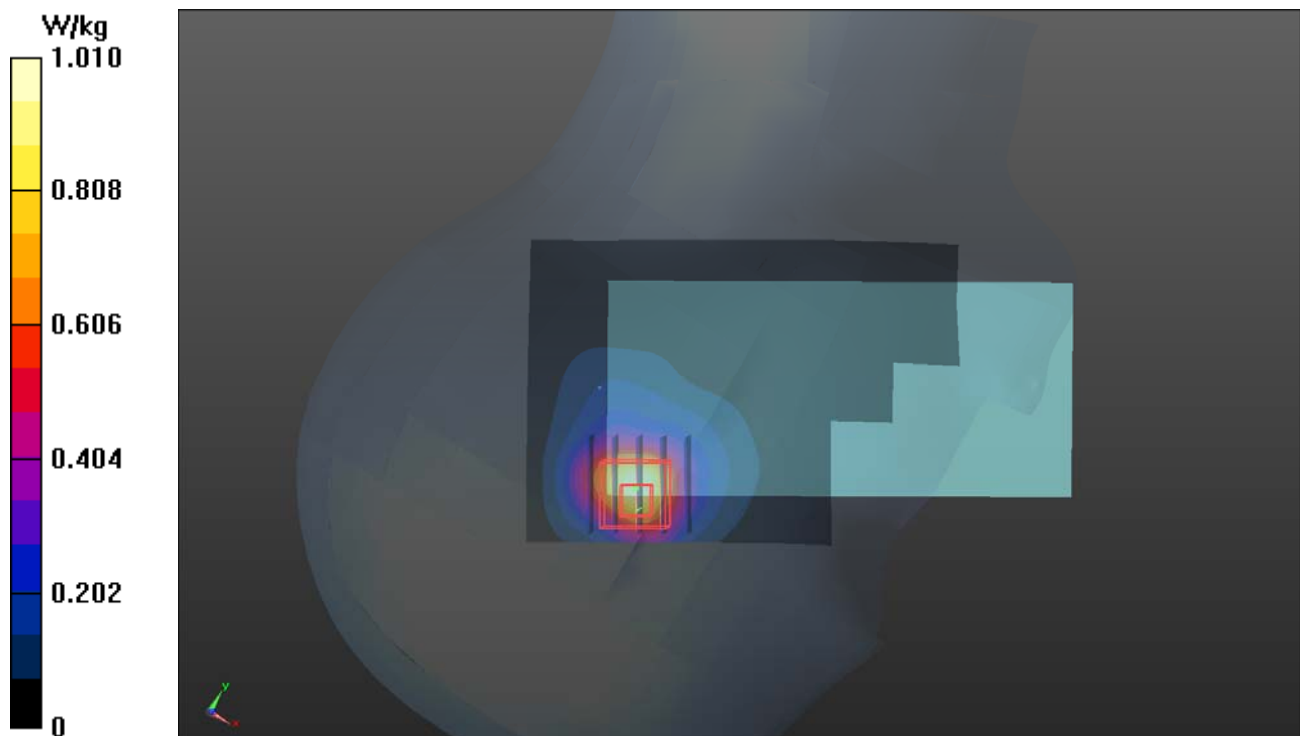
- Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

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; $\epsilon_r = 37.716$; ρ

$= 1000$ kg/m³

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

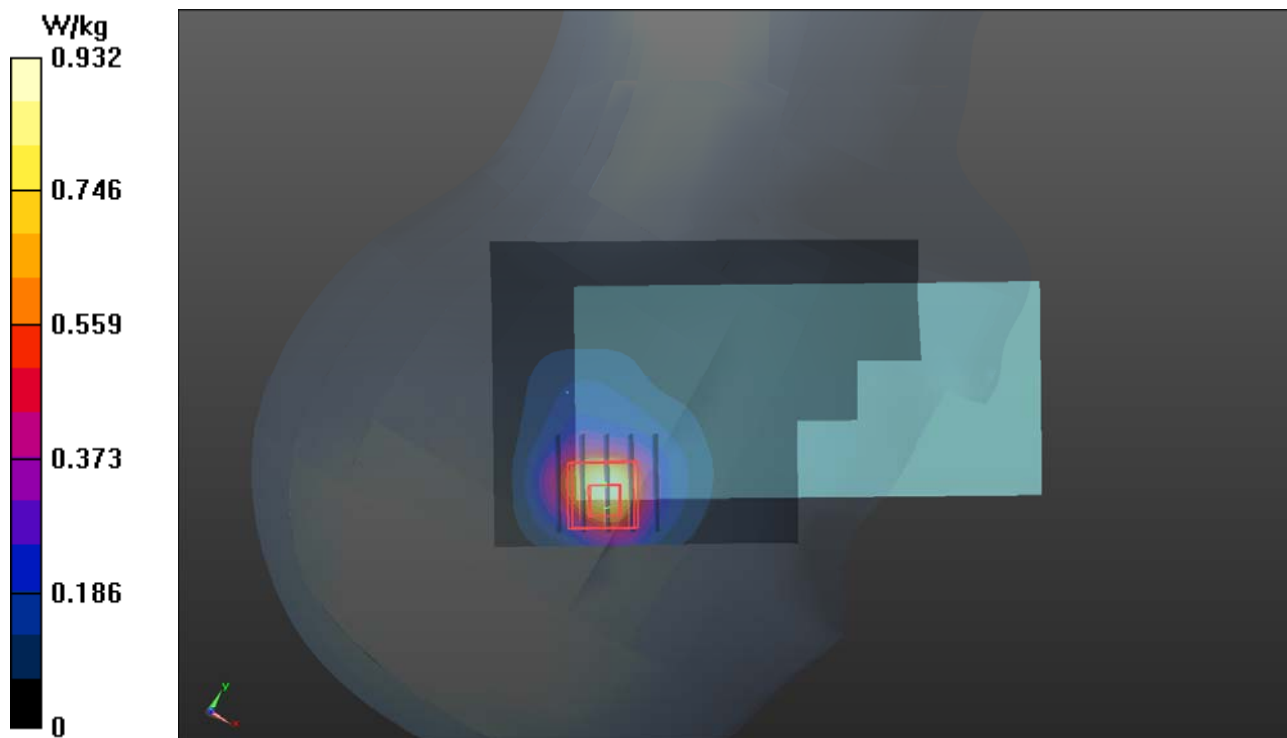
- Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

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/m³

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

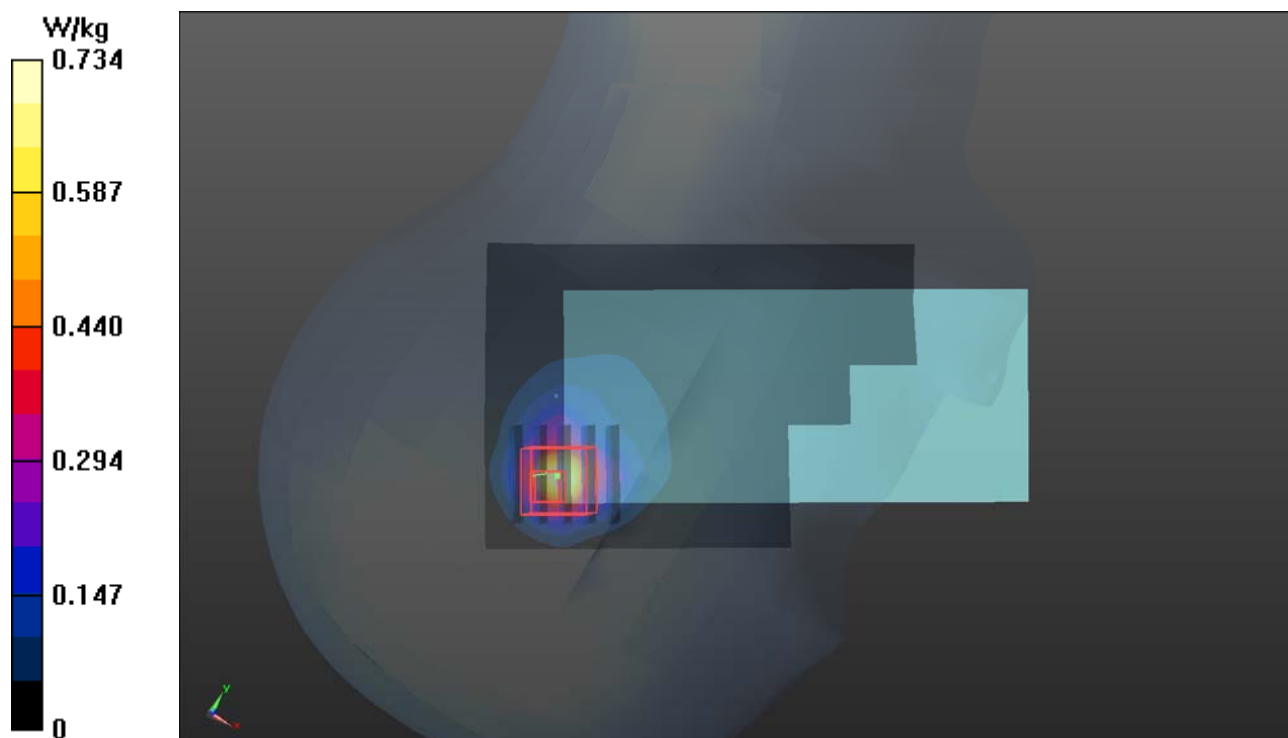
- Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

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: $f = 688$ MHz; $\sigma = 0.88$ S/m; $\epsilon_r = 42.624$; $\rho = 1000$ kg/m³

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 mm, dy=1.500 mm

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

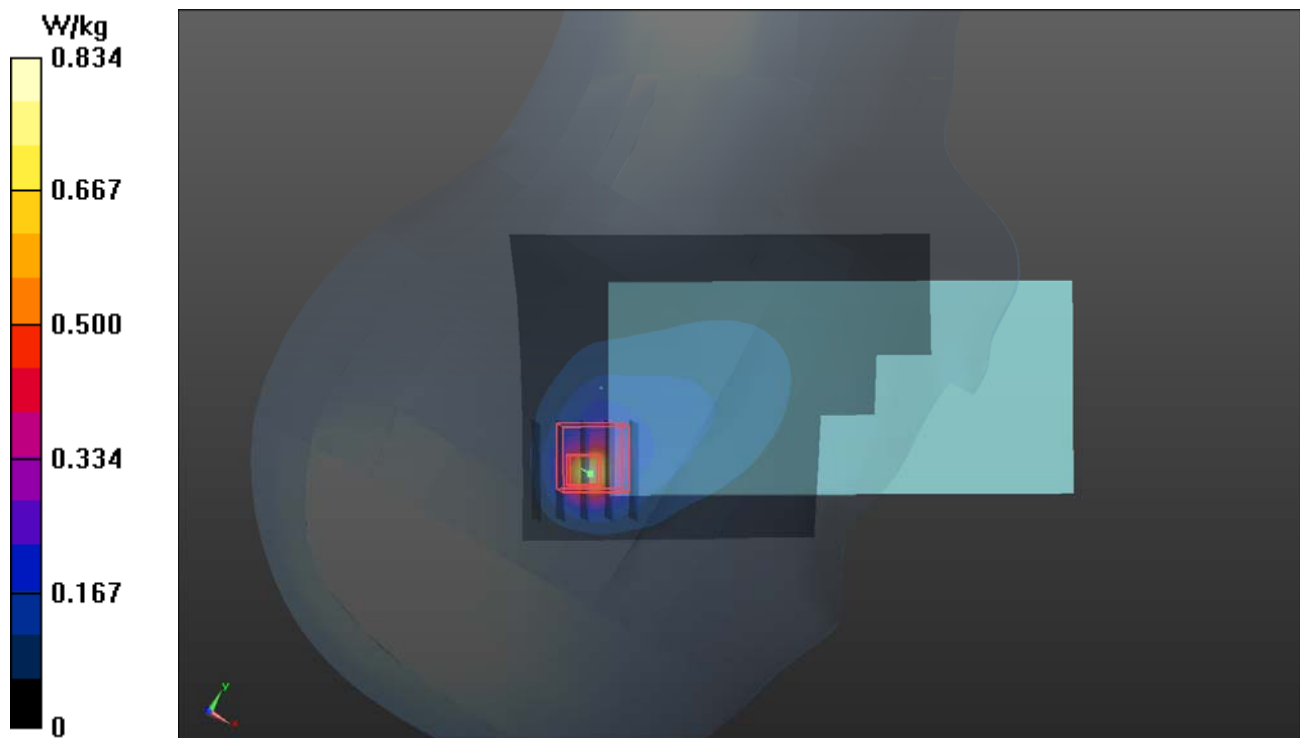
- Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

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: 1:1.01

Medium: H19T27N1_1028 Medium parameters used: $f = 2437$ MHz; $\sigma = 1.869$ S/m; $\epsilon_r = 38.324$; $\rho = 1000$ kg/m³

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

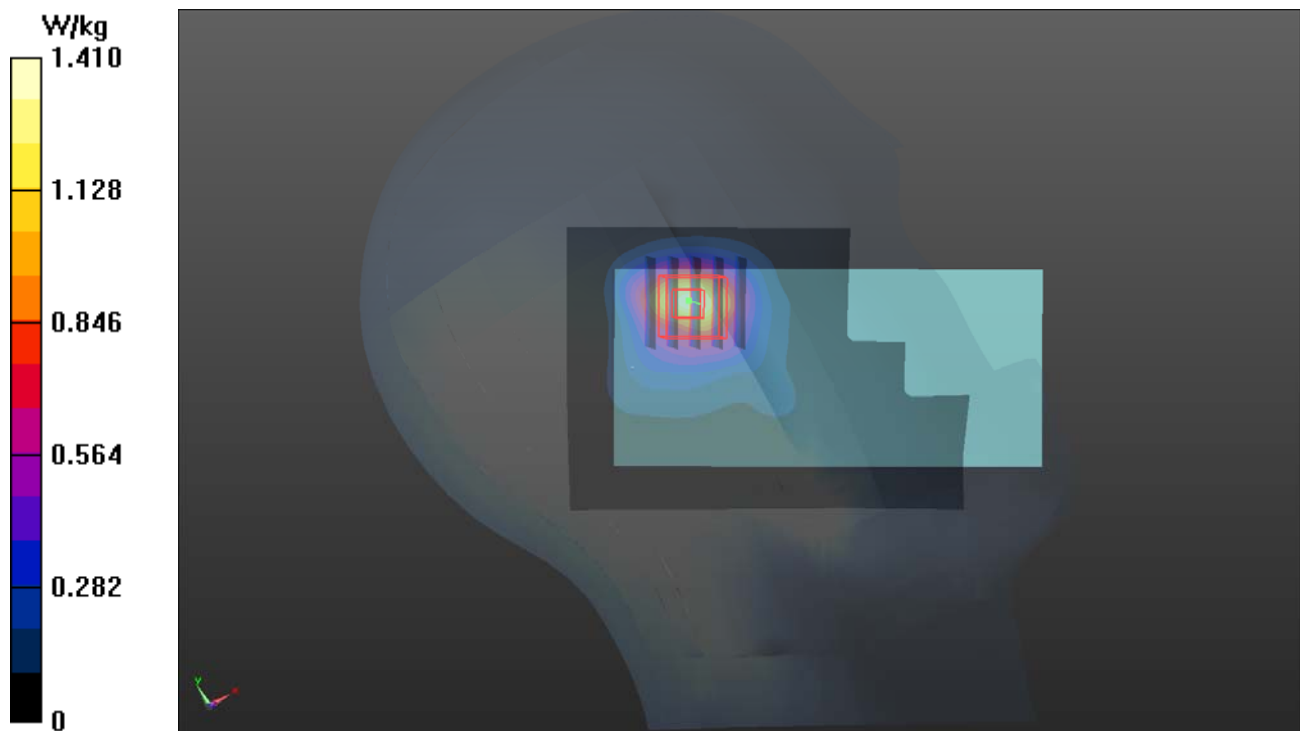
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

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/m³

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

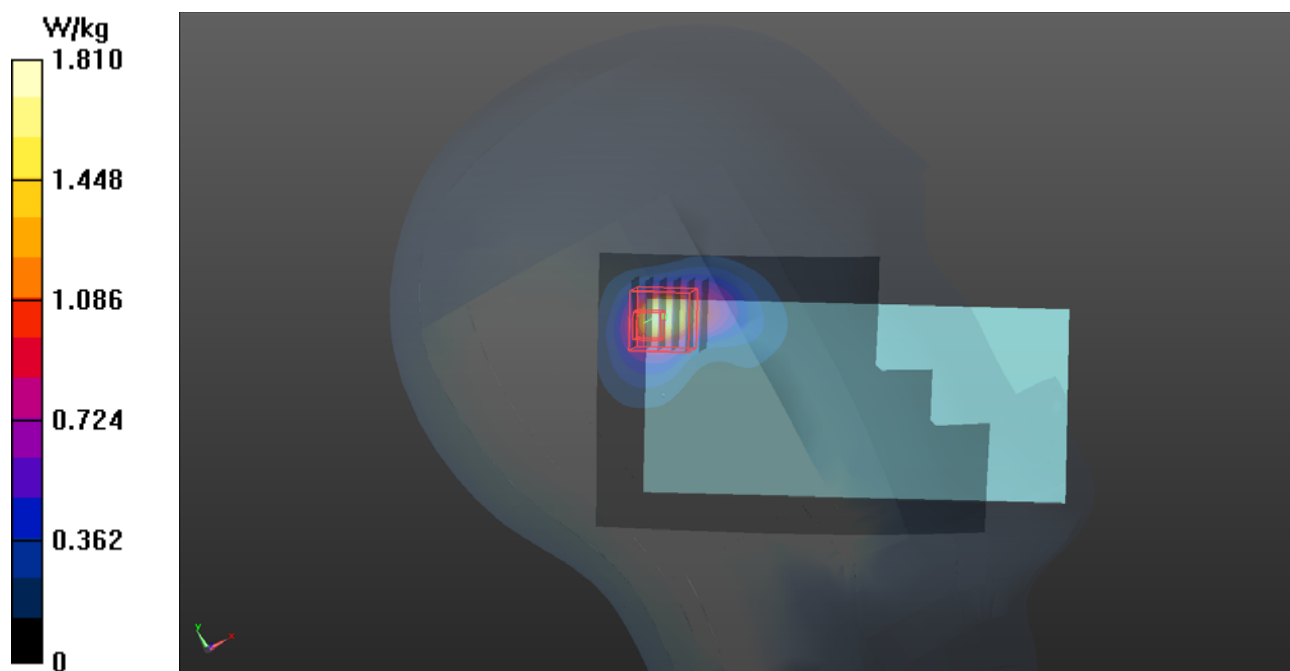
- Zoom Scan (6x6x12)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=2mm

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/m³

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

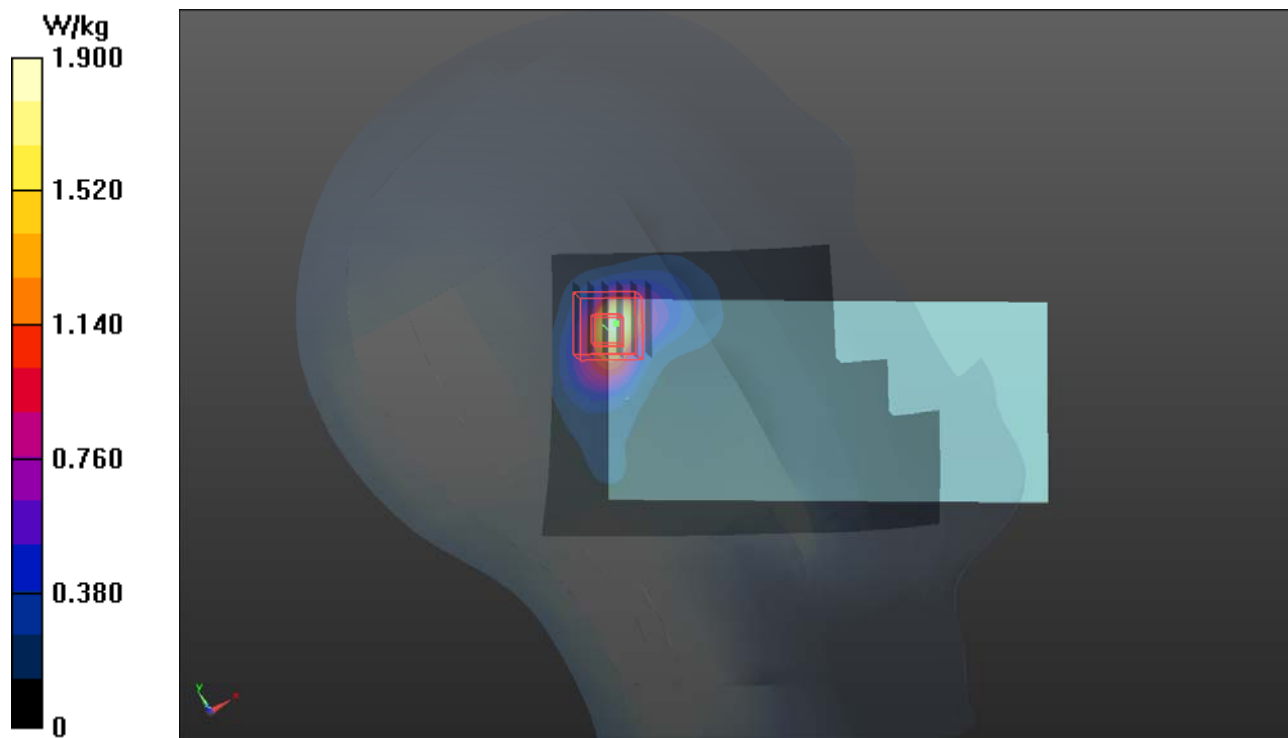
- Zoom Scan (6x6x12)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=2$ mm

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/m³

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

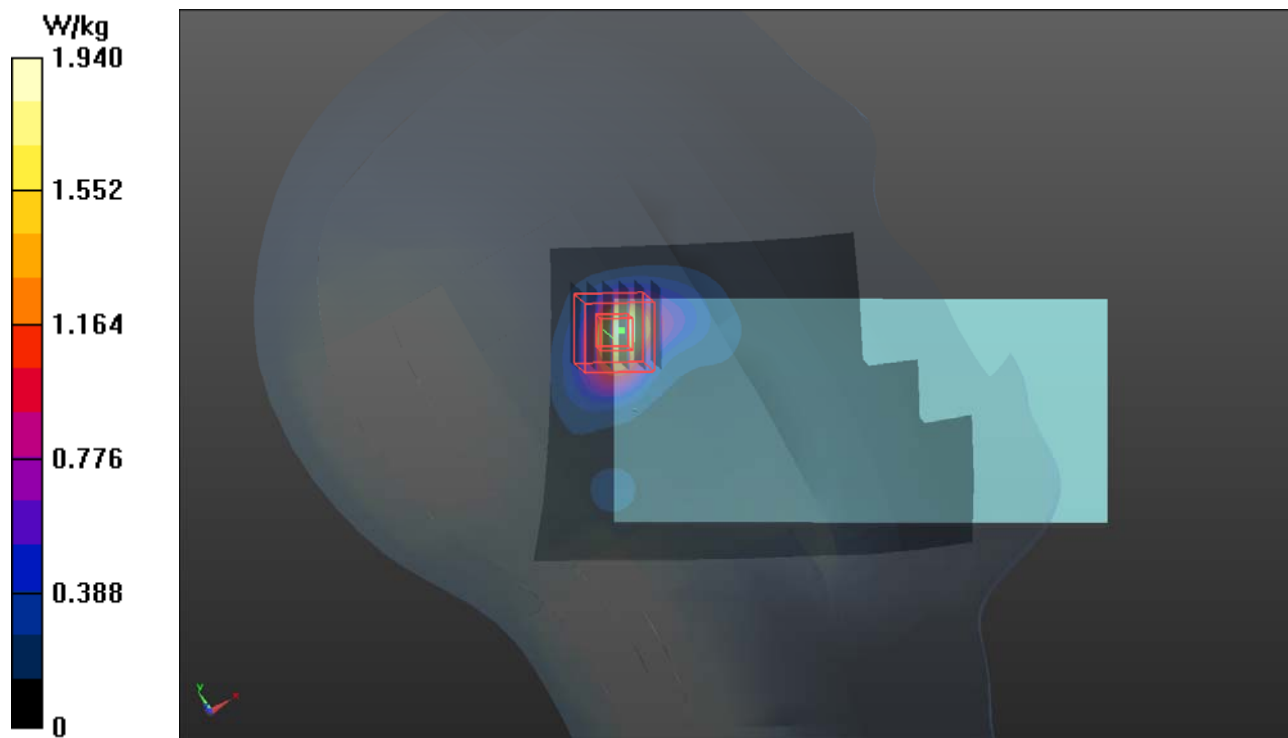
- Zoom Scan (6x6x12)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=2$ mm

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/m³

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

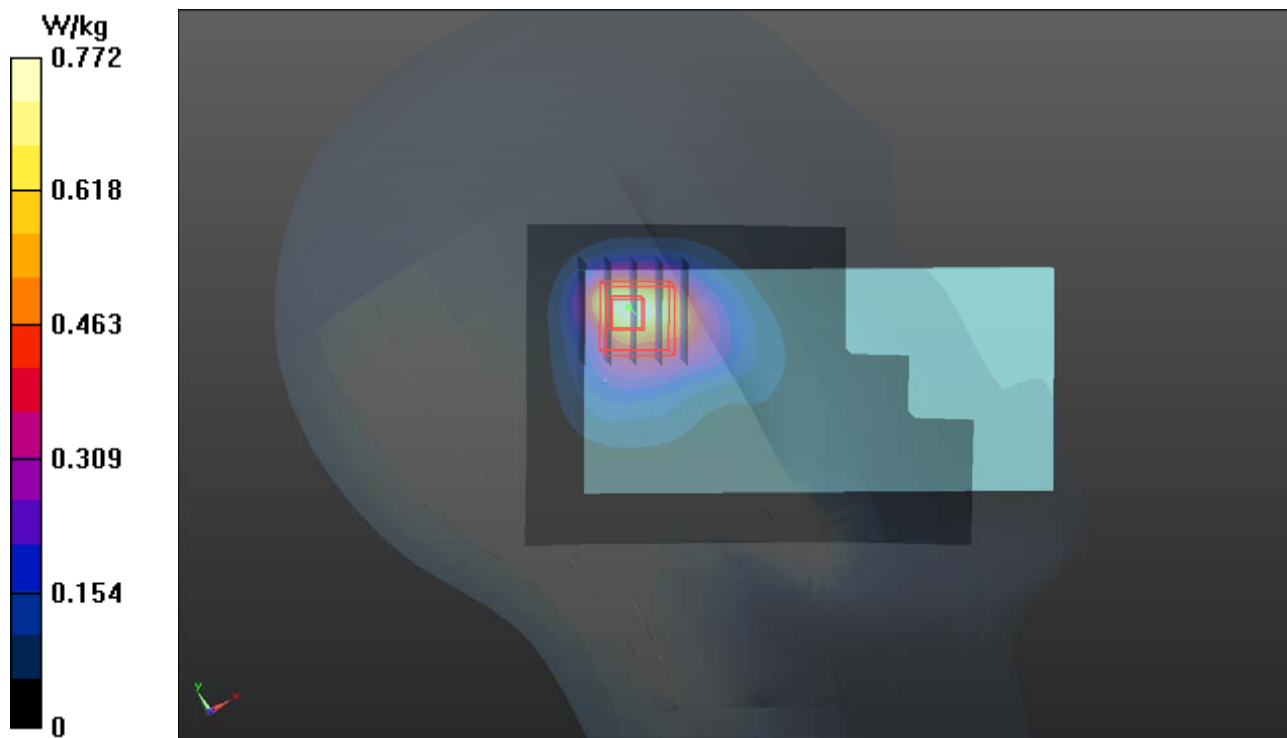
- Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

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: $f = 848.8$ MHz; $\sigma = 1.028$ S/m; $\epsilon_r = 57.825$; $\rho = 1000$ kg/m³

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) = 0.376 W/kg

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

Reference Value = 18.37 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 0.449 W/kg

SAR(1 g) = 0.247 W/kg; SAR(10 g) = 0.136 W/kg

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

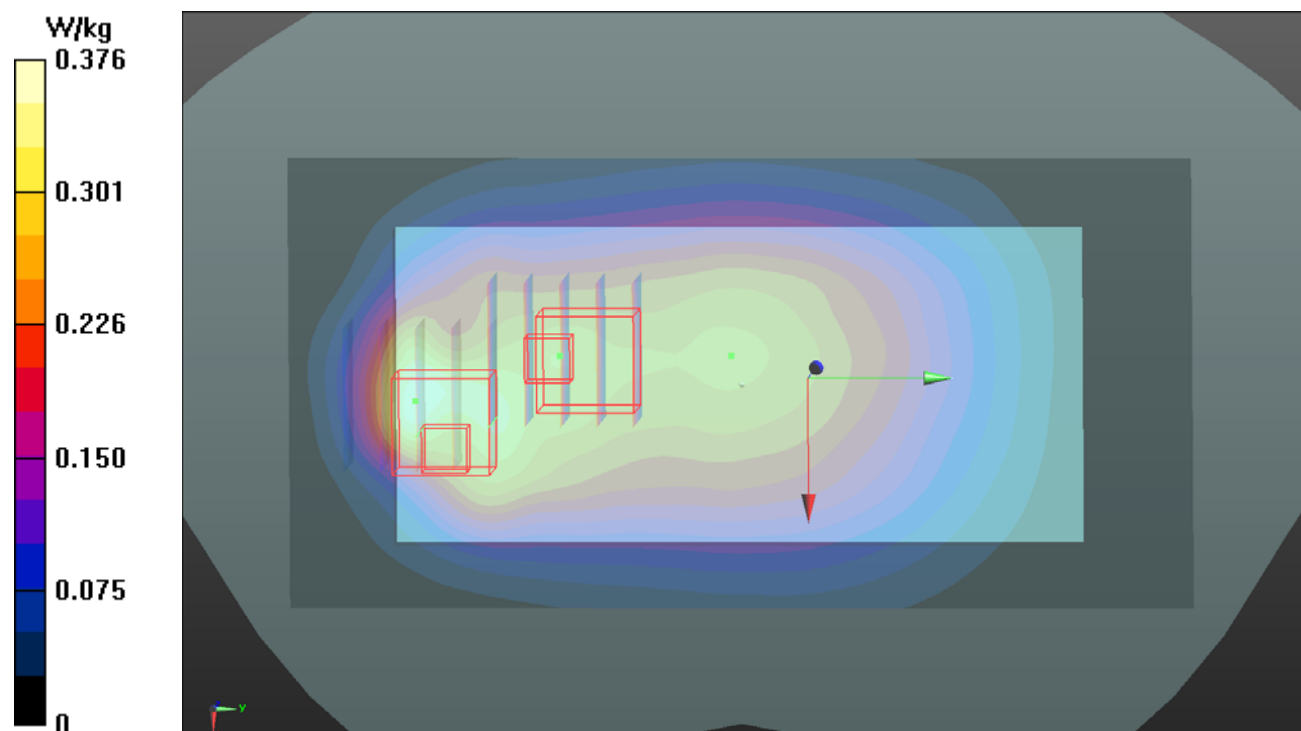
- Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.37 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 0.358 W/kg

SAR(1 g) = 0.246 W/kg; SAR(10 g) = 0.182 W/kg

Maximum value of SAR (measured) = 0.309 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/m³

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

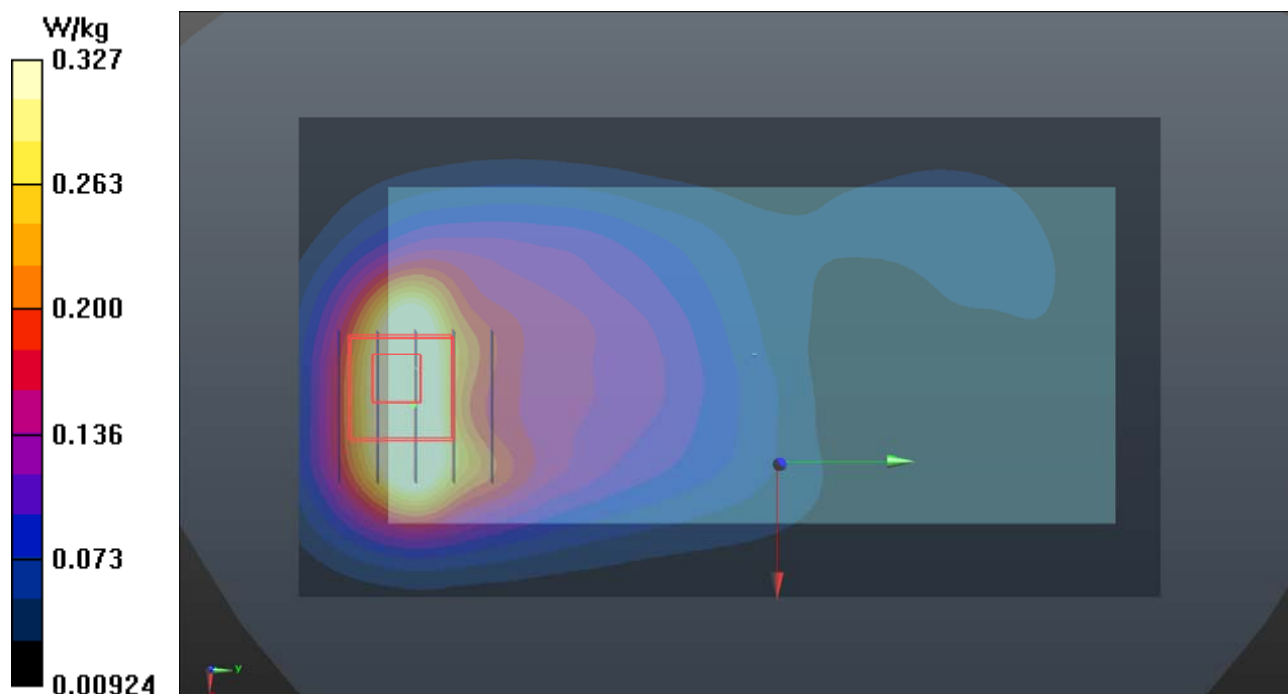
- Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

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/m³

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

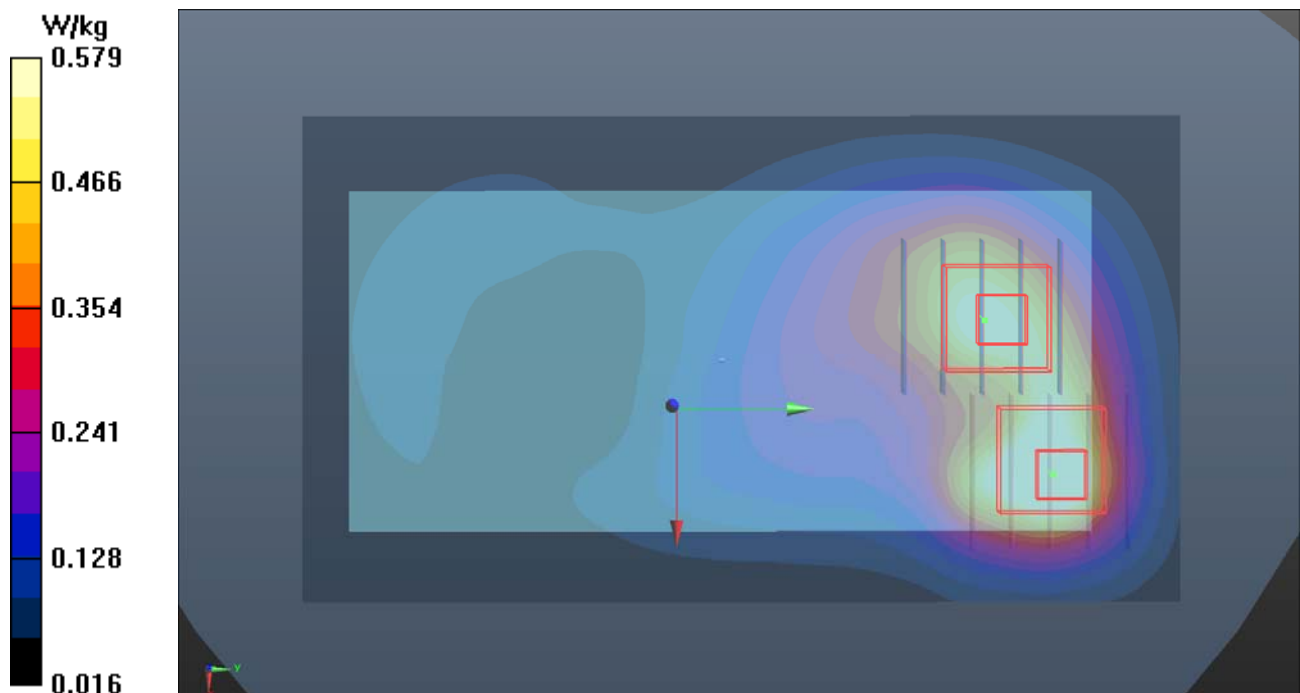
- Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

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/m³

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

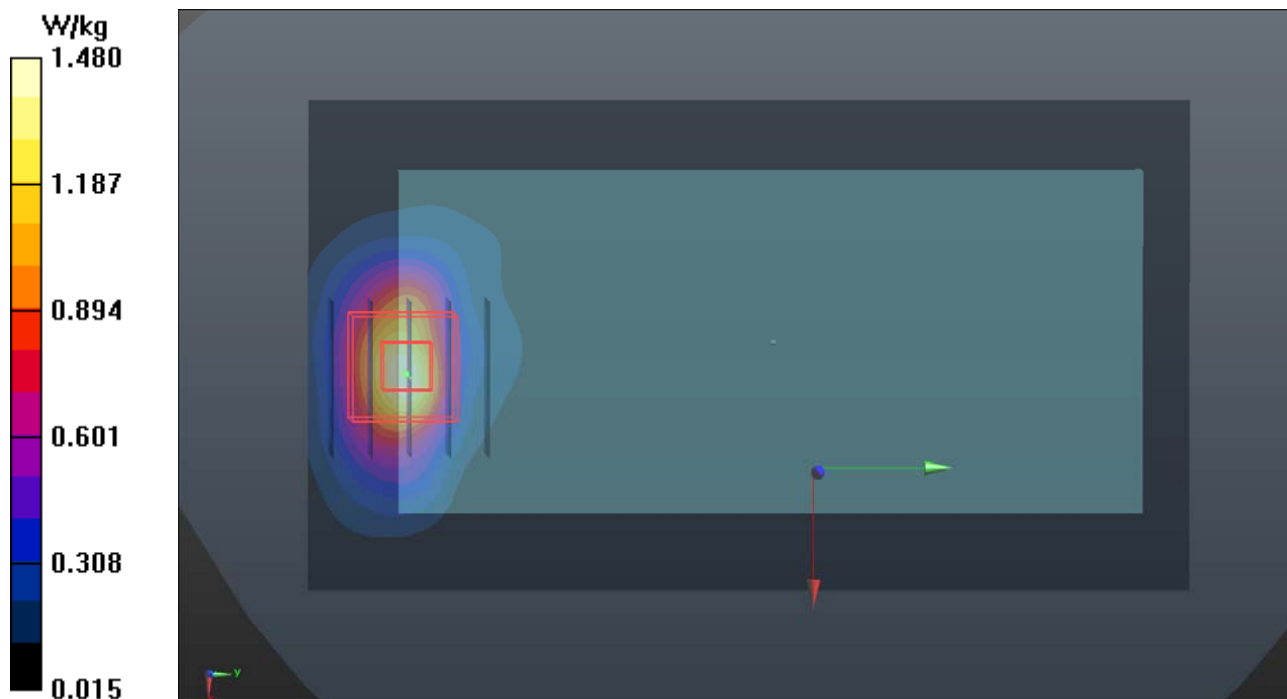
- Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

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/m³

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

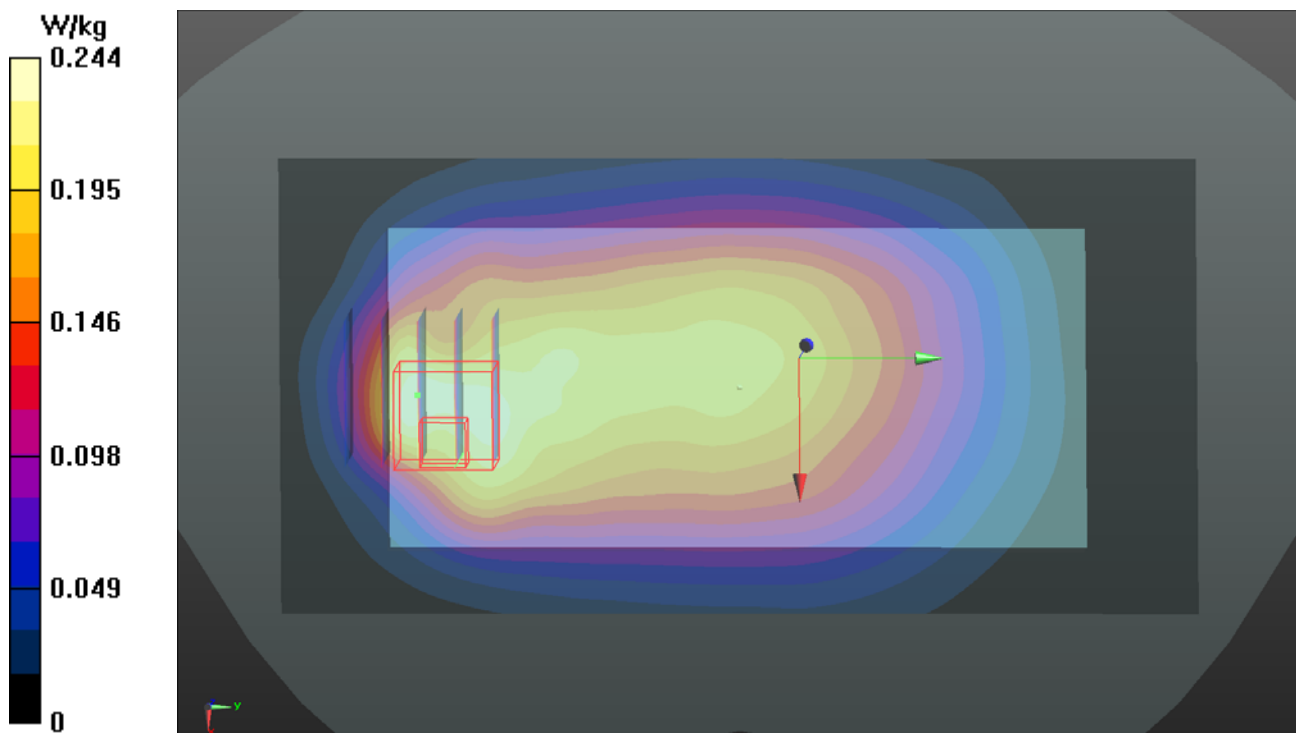
- Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

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/m³

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

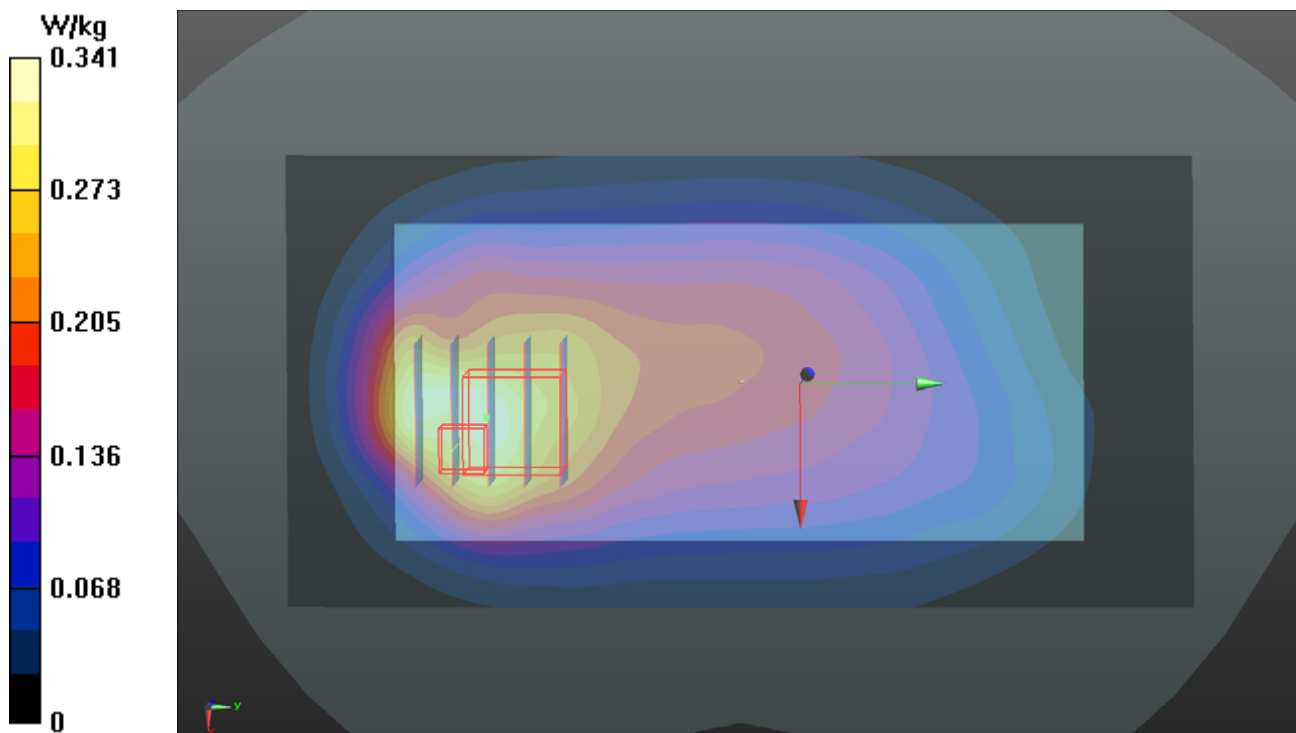
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

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/m³

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

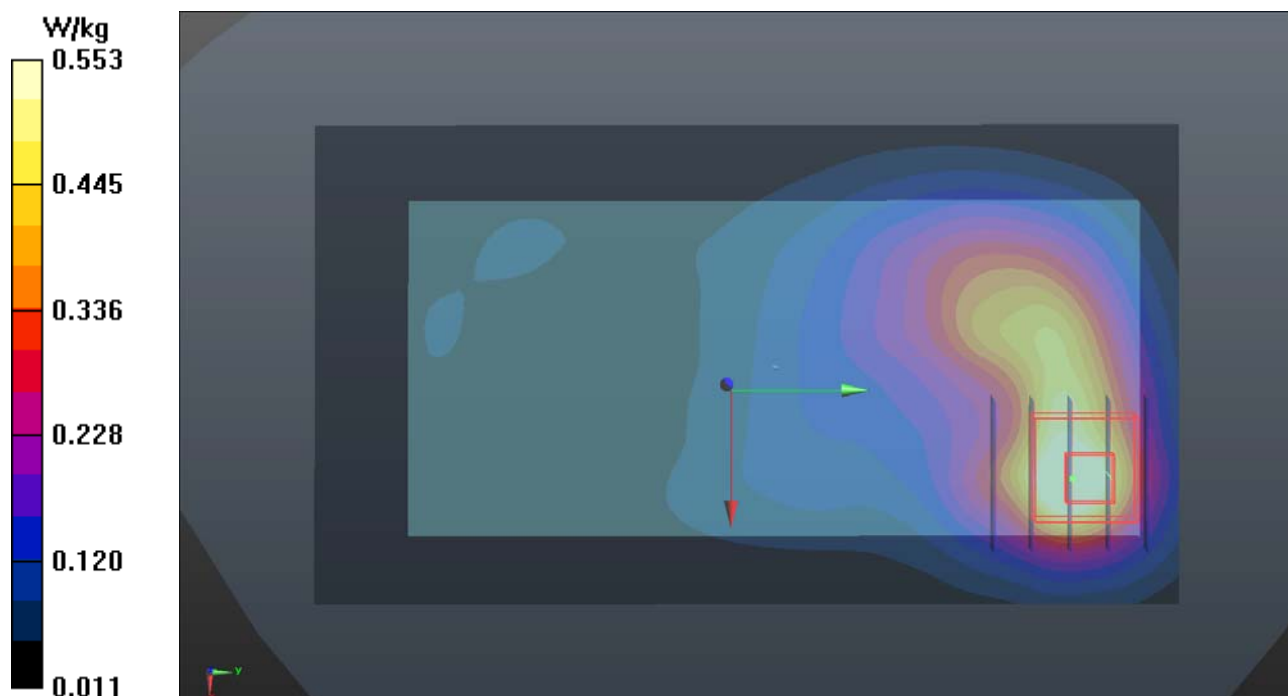
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

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/m³

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

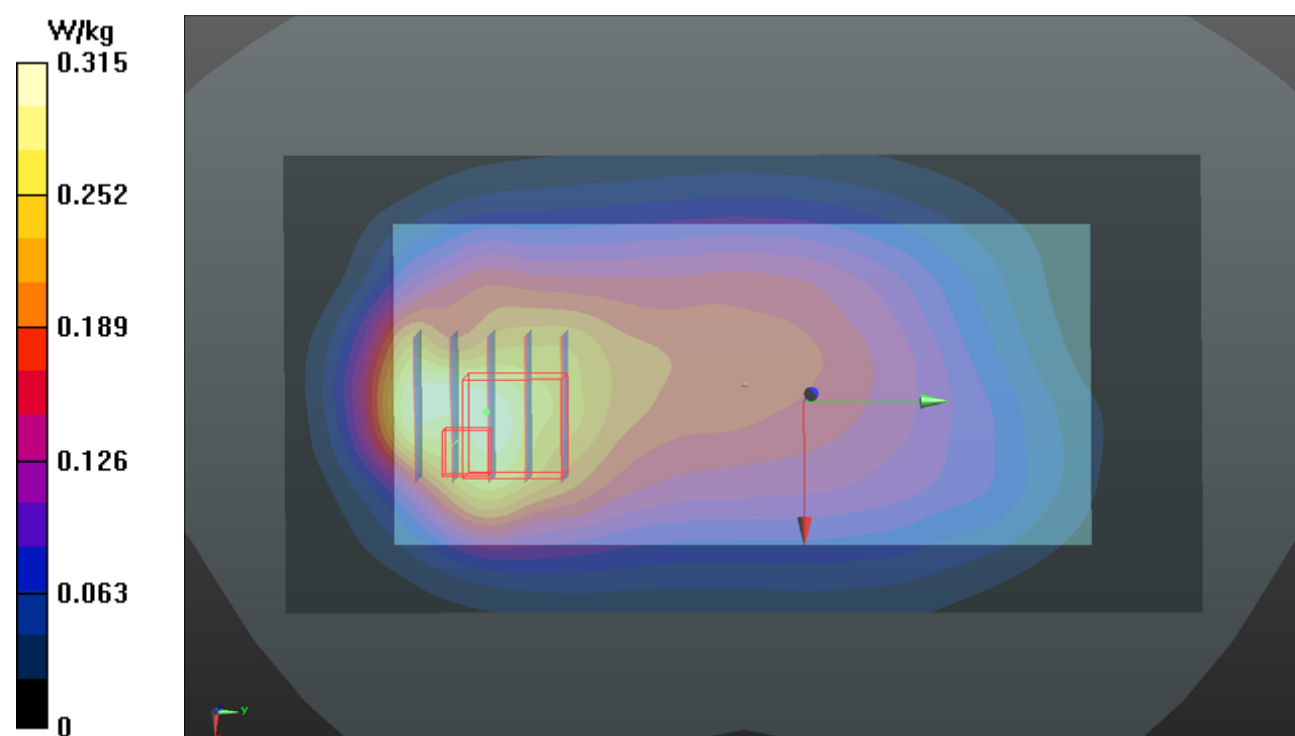
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

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: $f = 844$ MHz; $\sigma = 0.975$ S/m; $\epsilon_r = 56.961$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.5 °C ; Liquid Temperature : 23.1 °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) = 0.323 W/kg

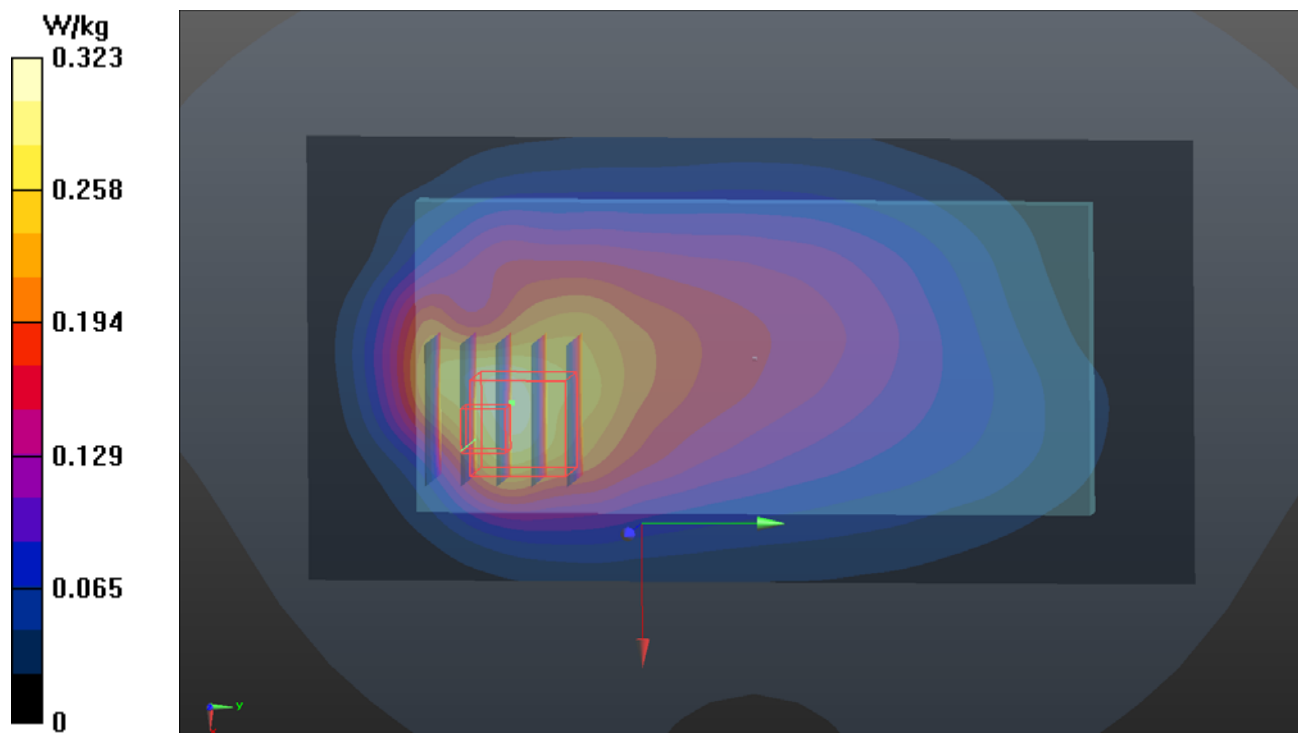
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.47 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 0.388 W/kg

SAR(1 g) = 0.234 W/kg; SAR(10 g) = 0.146 W/kg

Maximum value of SAR (measured) = 0.323 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/m³

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

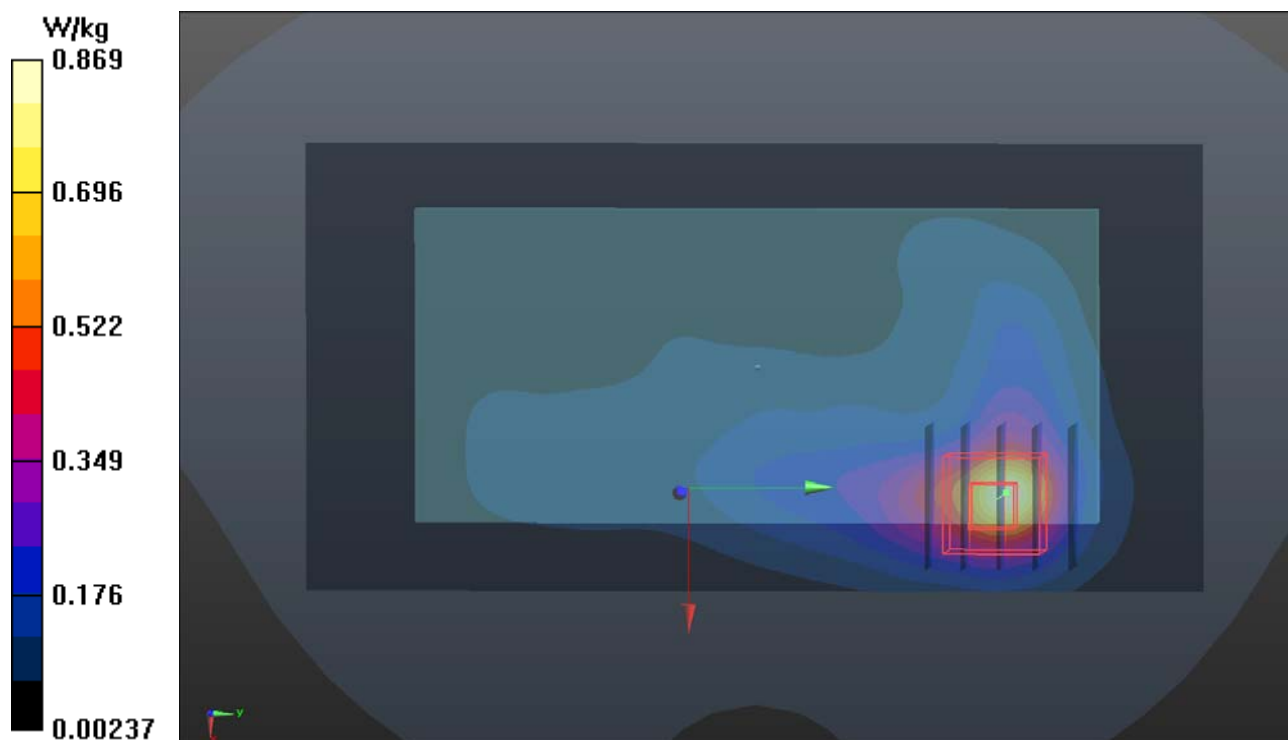
- Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

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



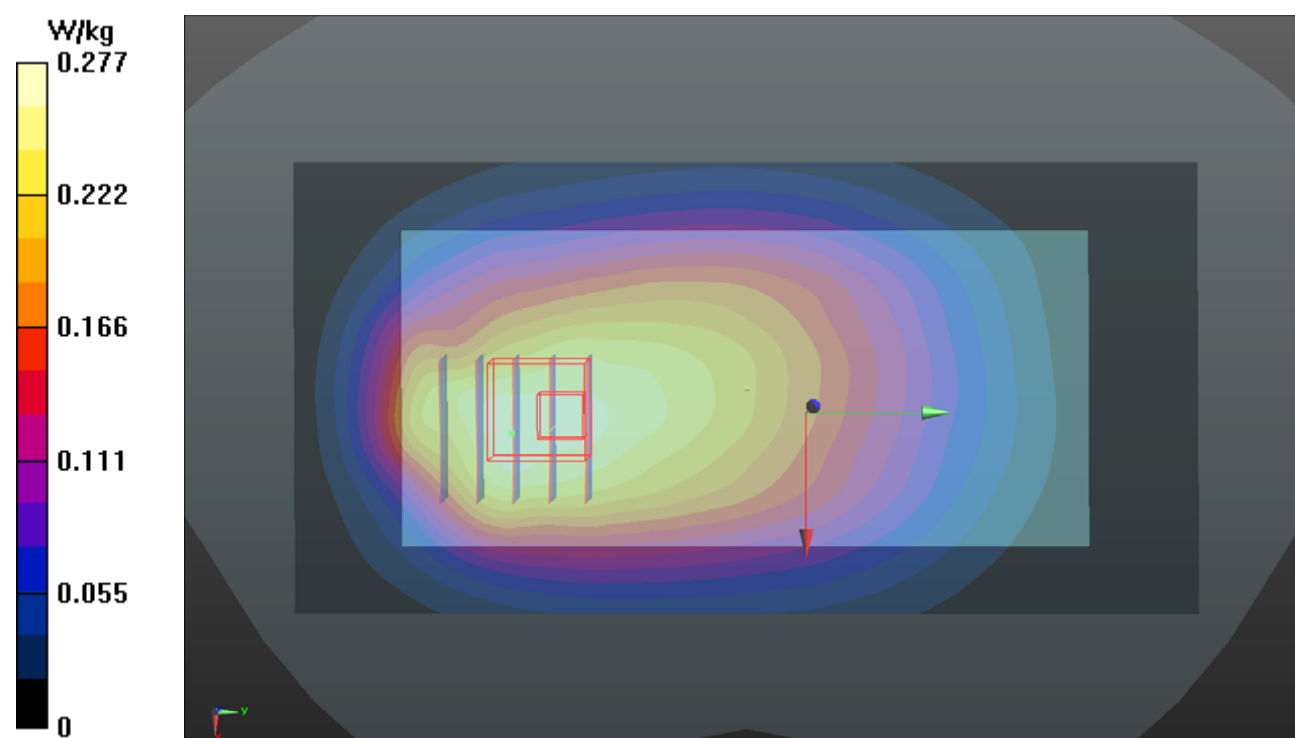
P36 LTE 12_QPSK10_Rear Face_10mm_Ch23130_1RB_OS0_Sample1_Ant0**DUT: 181001C20**

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 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 V/m ; Power Drift = -0.02 dB Peak SAR (extrapolated) = 0.313 W/kg **SAR(1 g) = 0.221 W/kg ; SAR(10 g) = 0.154 W/kg** Maximum value of SAR (measured) = 0.272 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: $f = 782$ MHz; $\sigma = 1.002$ S/m; $\epsilon_r = 56.584$; $\rho = 1000$ kg/m³

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 mm, dy=1.500 mm

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

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

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

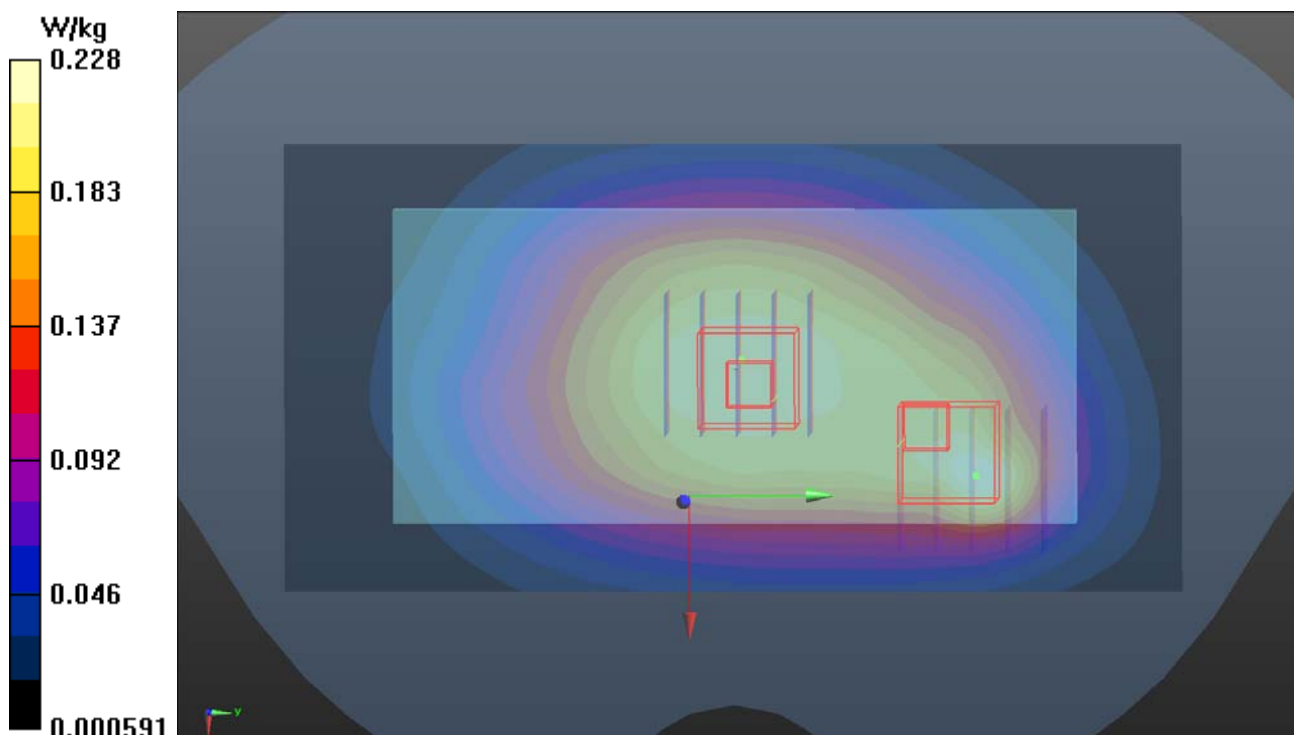
- Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

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: $f = 793$ MHz; $\sigma = 1.012$ S/m; $\epsilon_r = 56.478$; $\rho = 1000$ kg/m³

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 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 = 17.06 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.346 W/kg

SAR(1 g) = 0.227 W/kg; SAR(10 g) = 0.175 W/kg

Maximum value of SAR (measured) = 0.285 W/kg

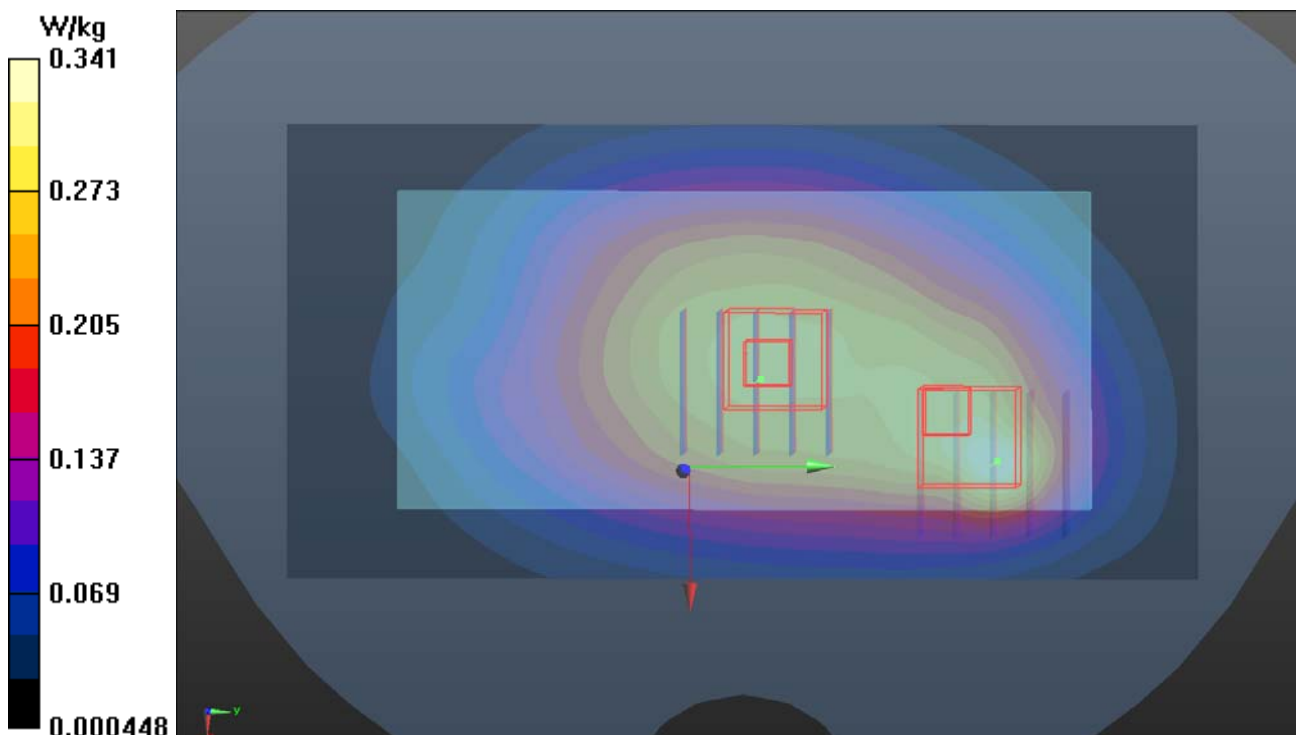
- Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.06 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.305 W/kg

SAR(1 g) = 0.217 W/kg; SAR(10 g) = 0.148 W/kg

Maximum value of SAR (measured) = 0.276 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/m³

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

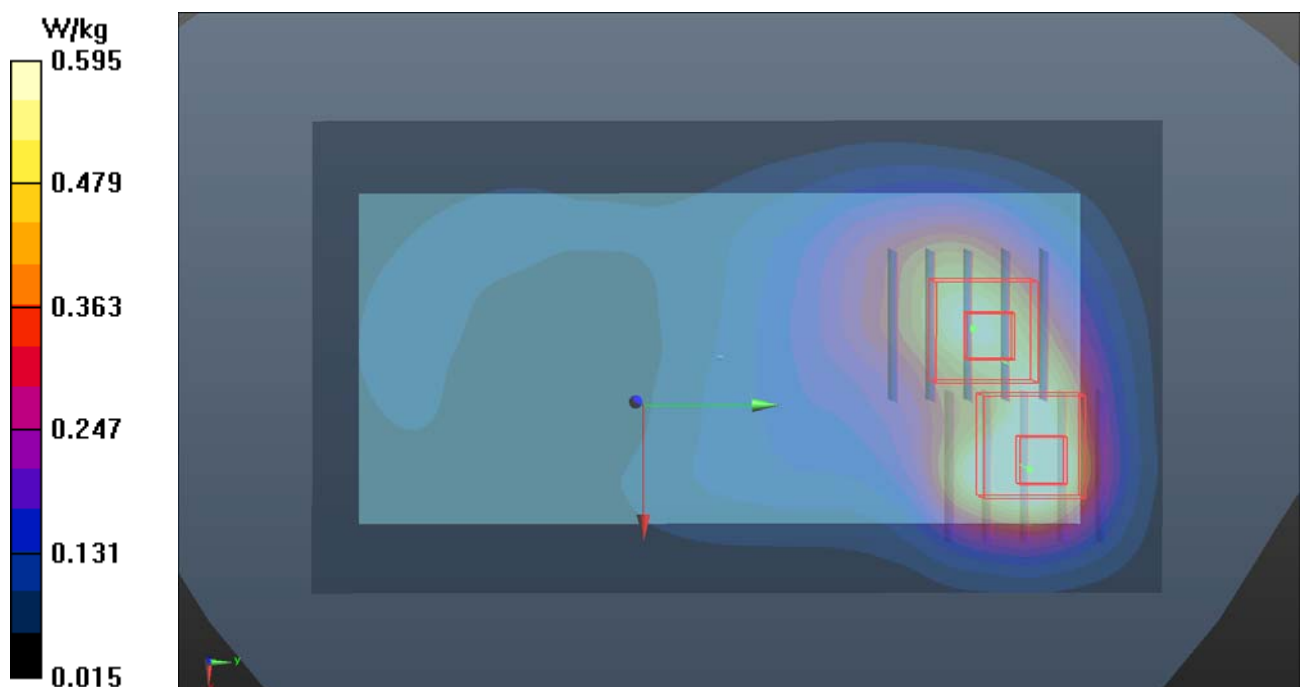
- Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

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/m³

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

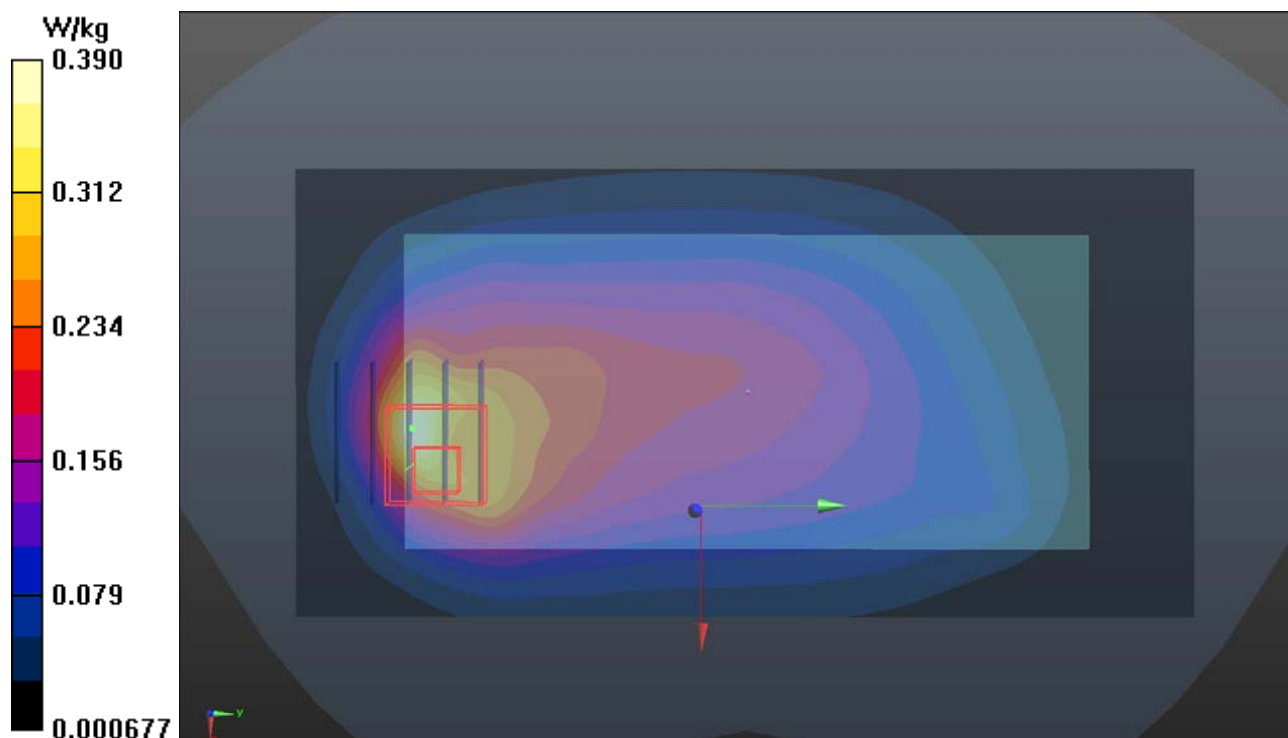
- Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

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/m³

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

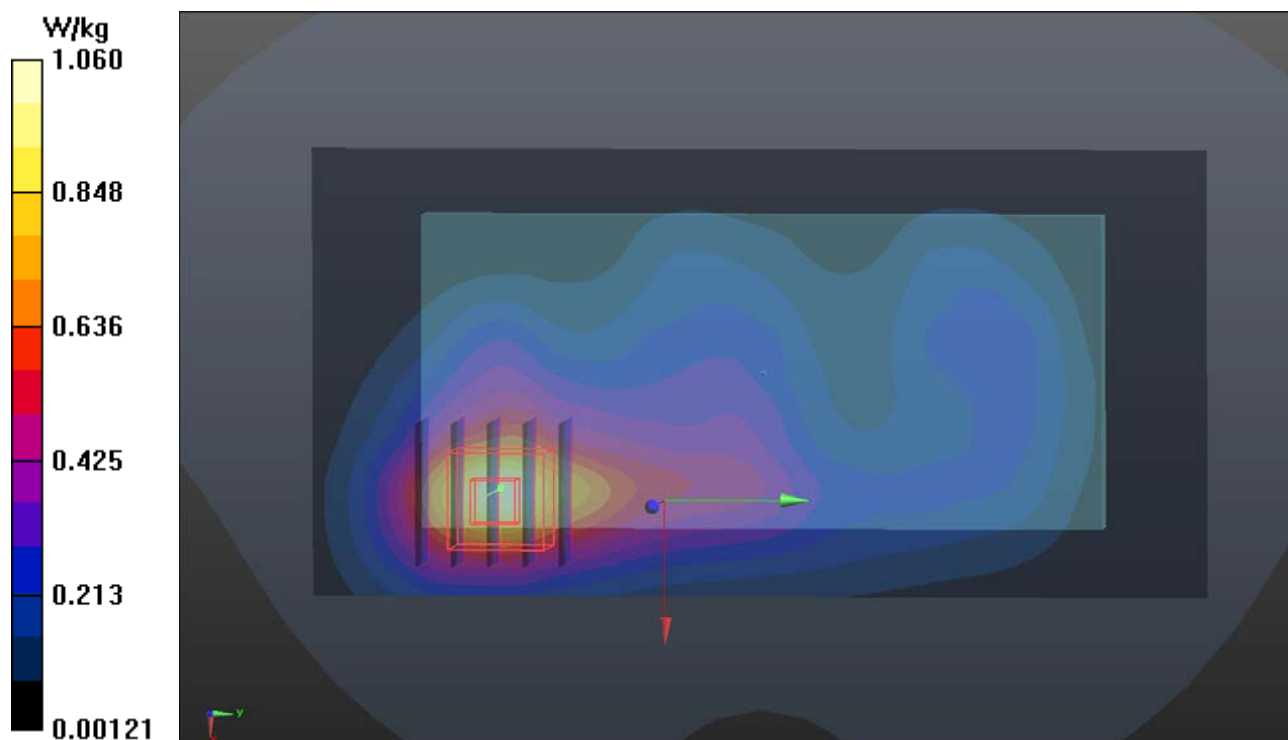
- Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

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/m³

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

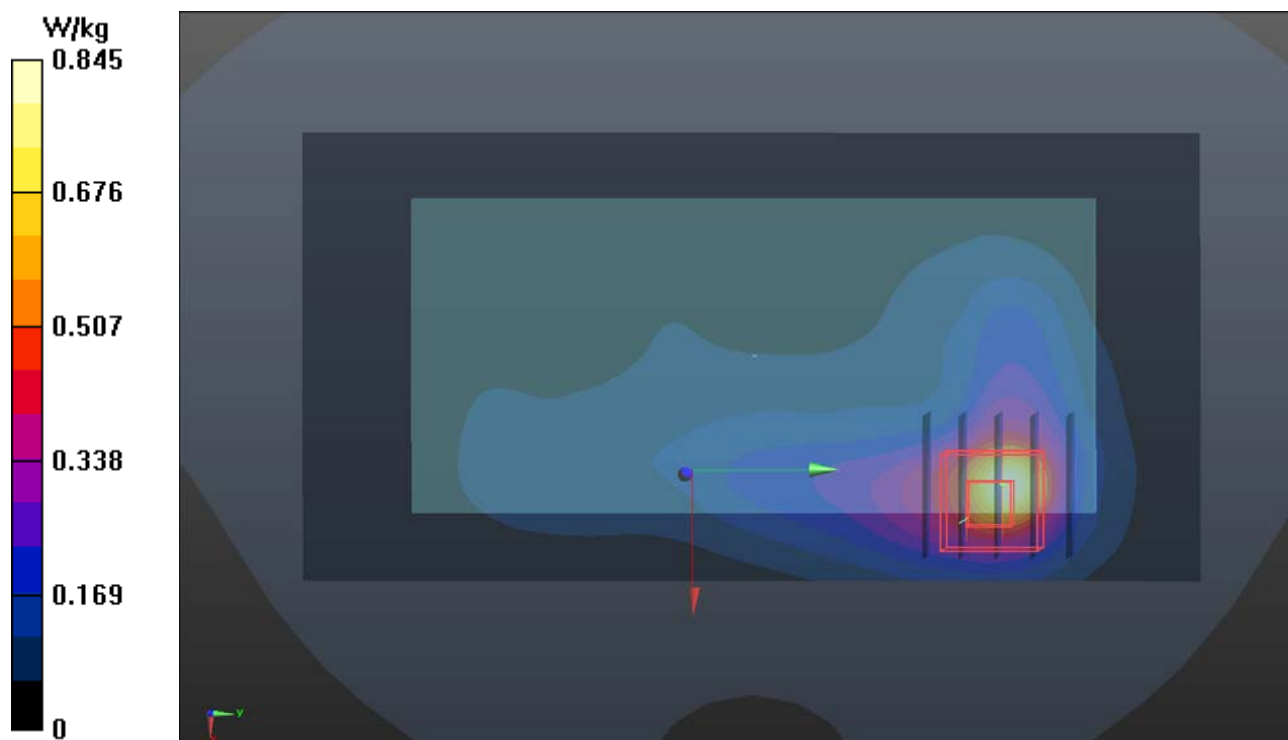
- Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

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/m³

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

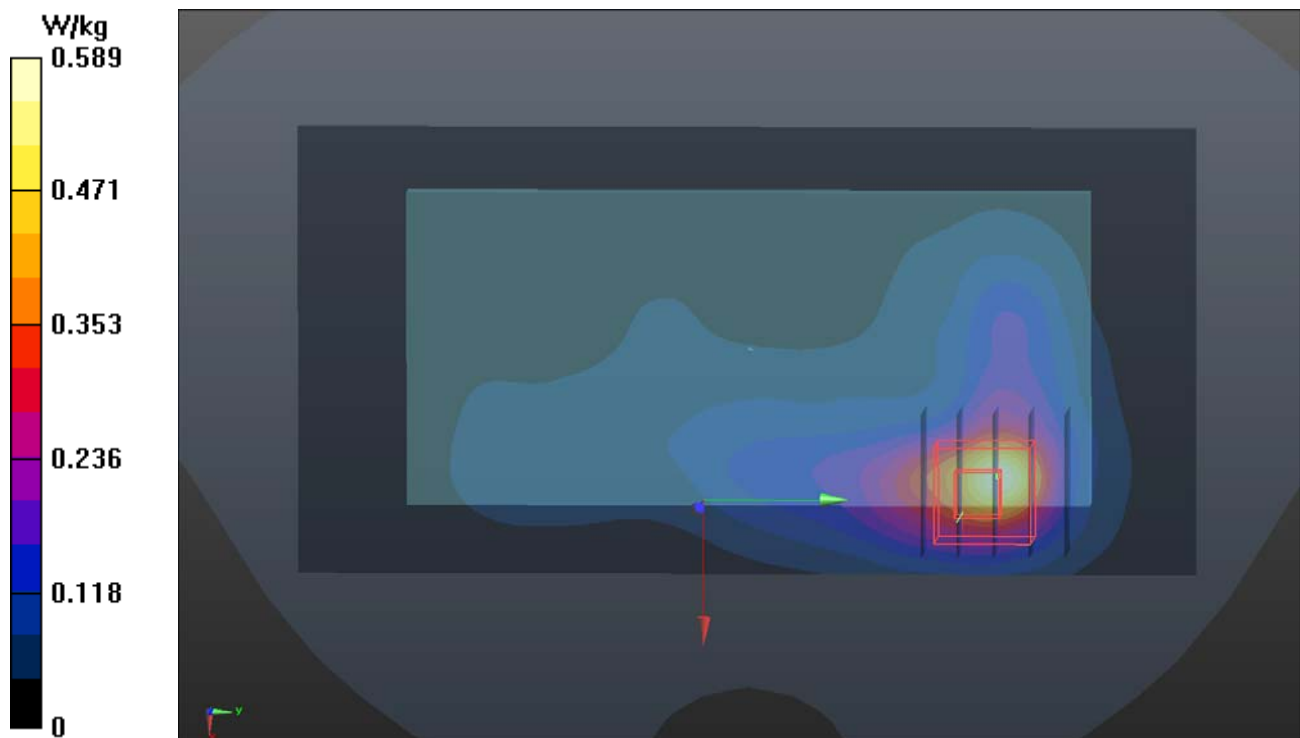
- Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

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/m³

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

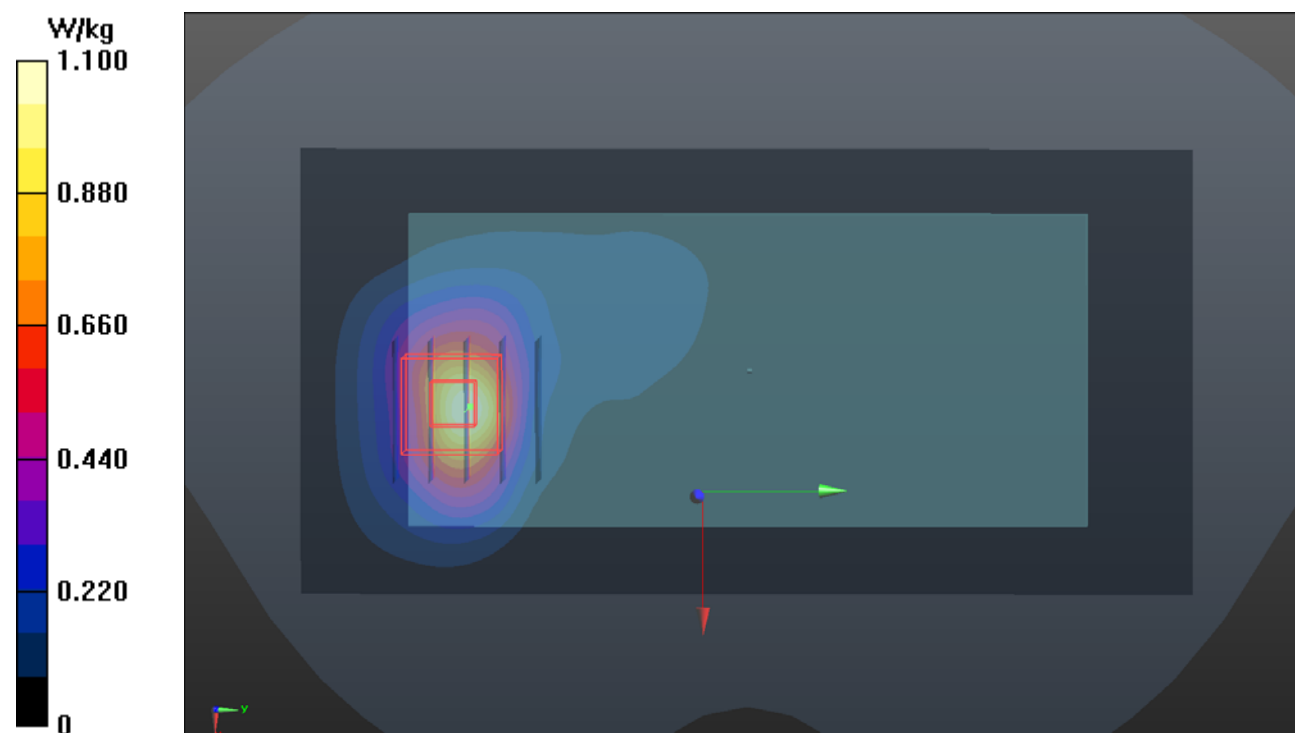
- Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

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: $f = 688$ MHz; $\sigma = 0.938$ S/m; $\epsilon_r = 57.333$; $\rho = 1000$ kg/m³

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 mm, dy=1.500 mm

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

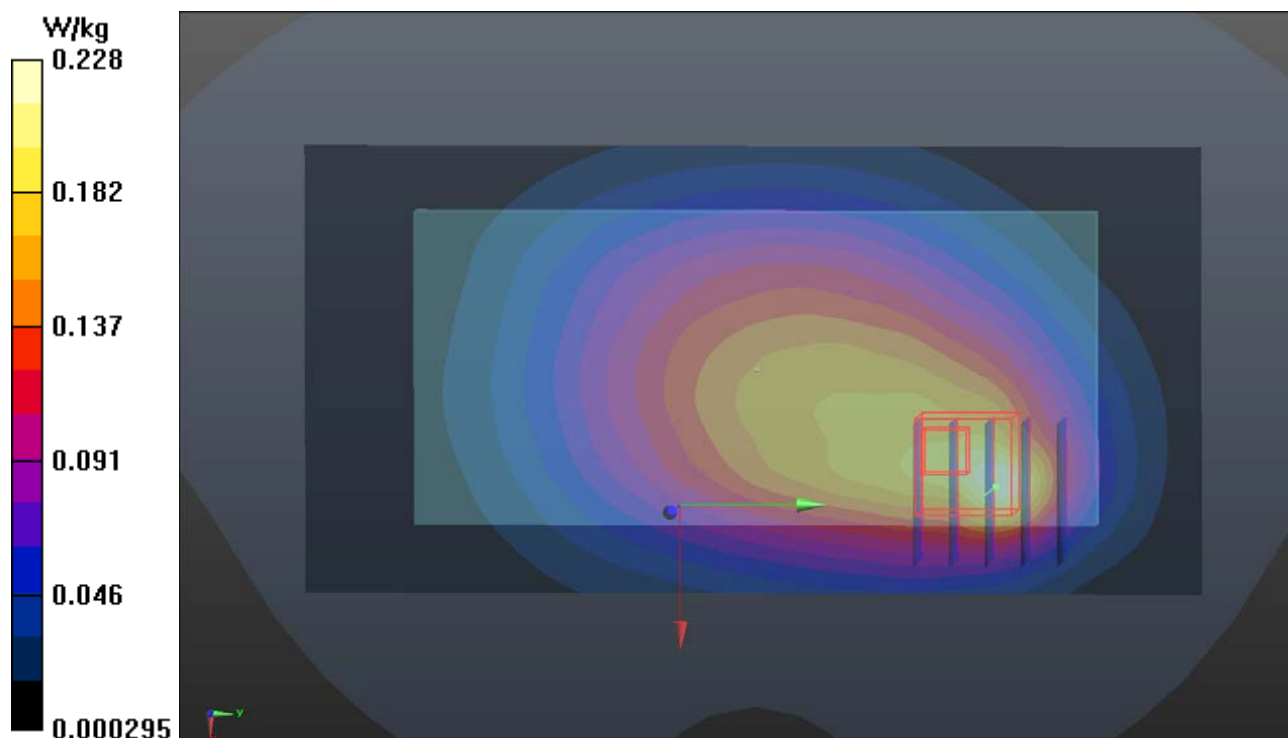
- Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

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/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) = 0.332 W/kg

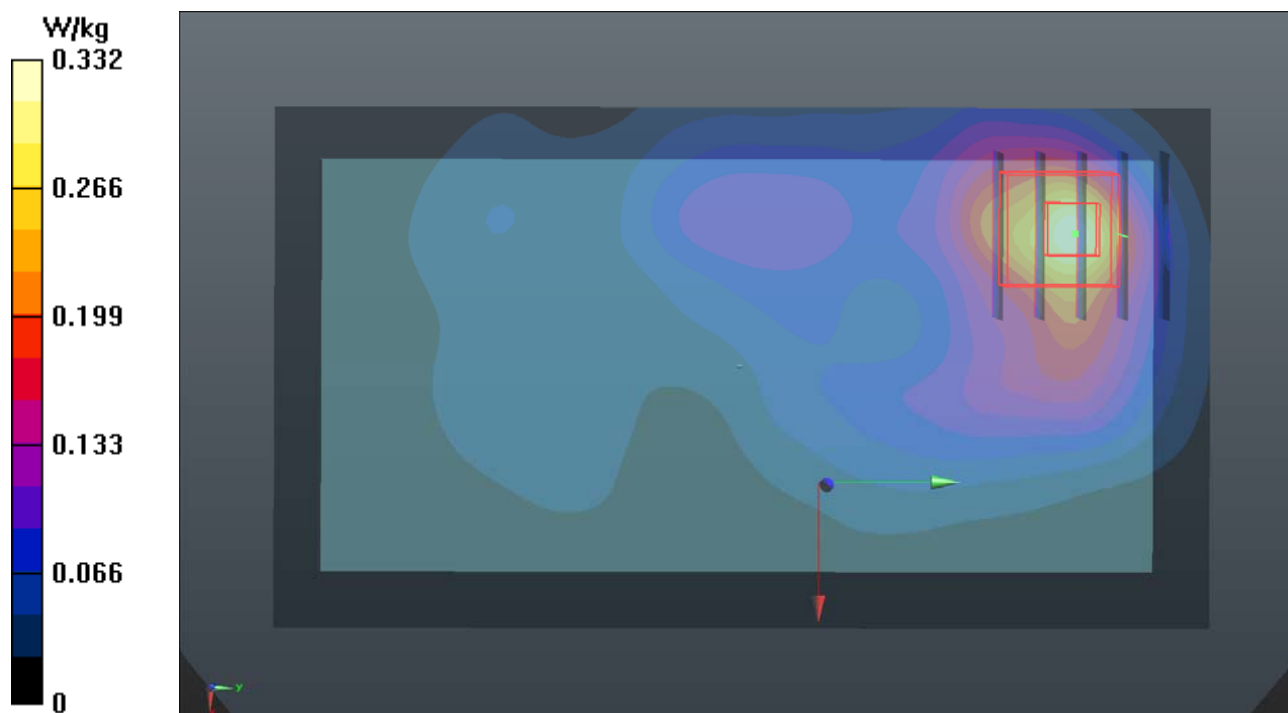
- Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

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/m³

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

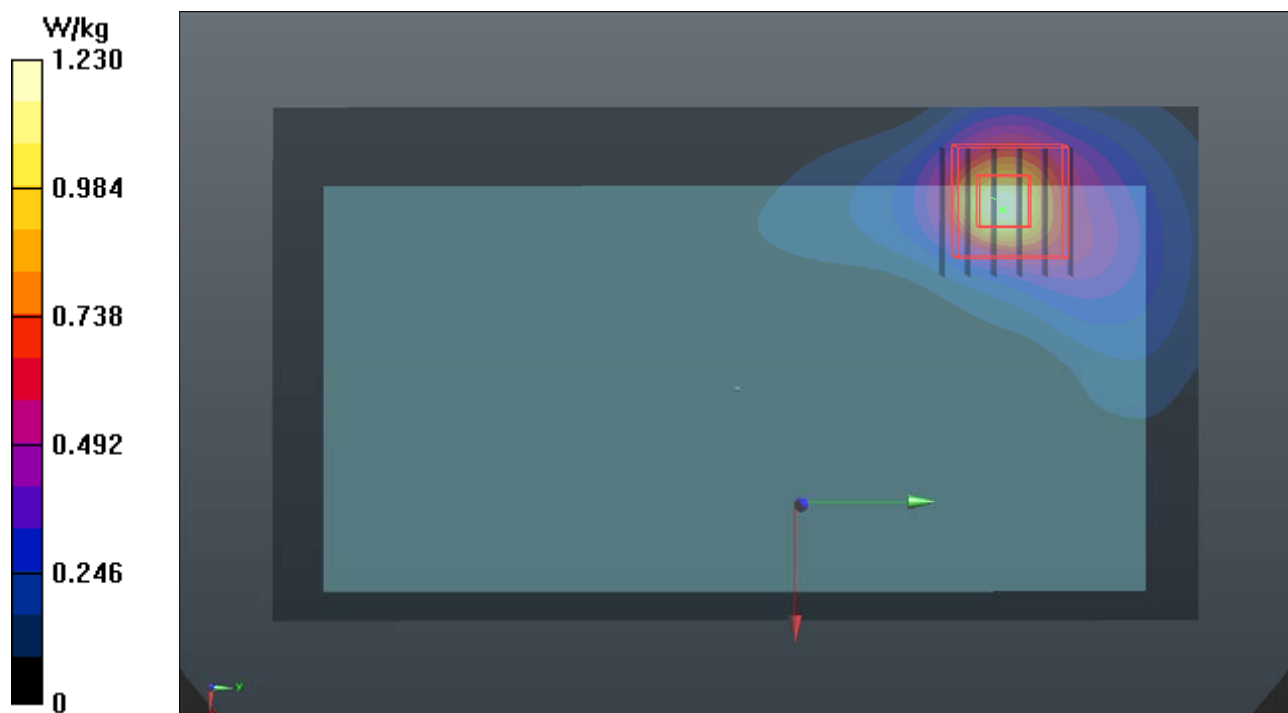
- Zoom Scan (6x6x12)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=2mm

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/m³

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

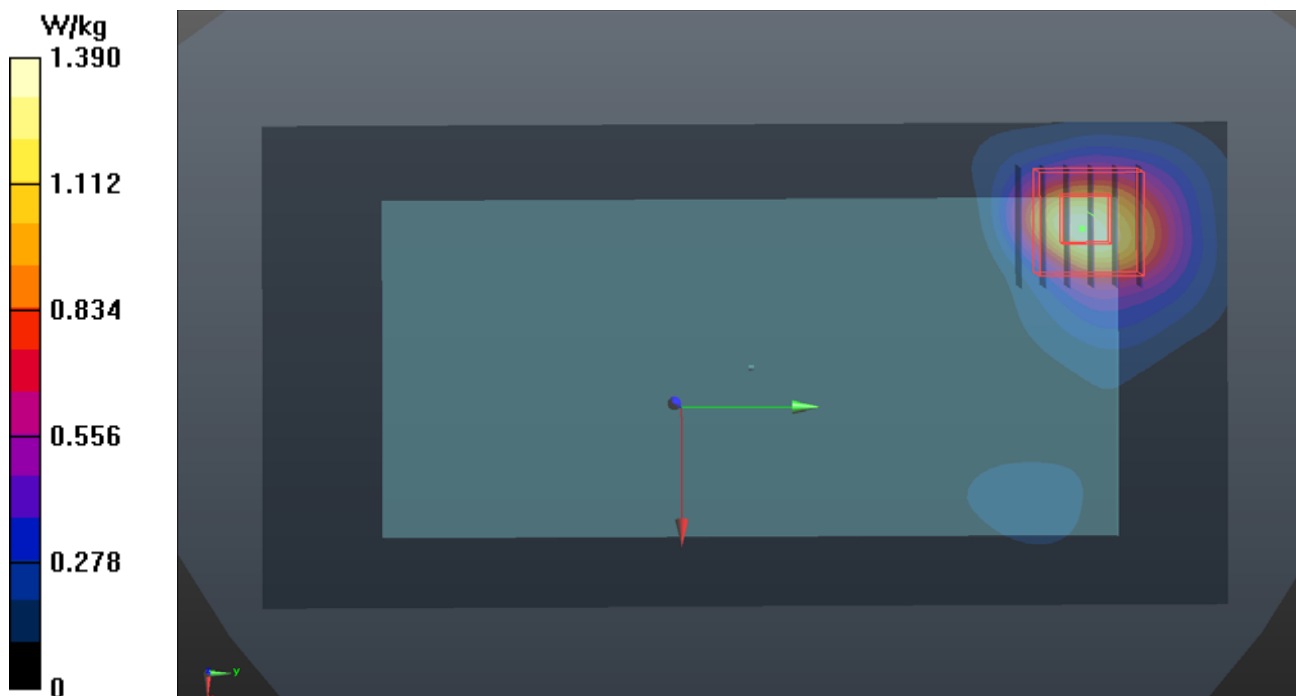
- **Zoom Scan (6x6x12)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=2mm

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/m³

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

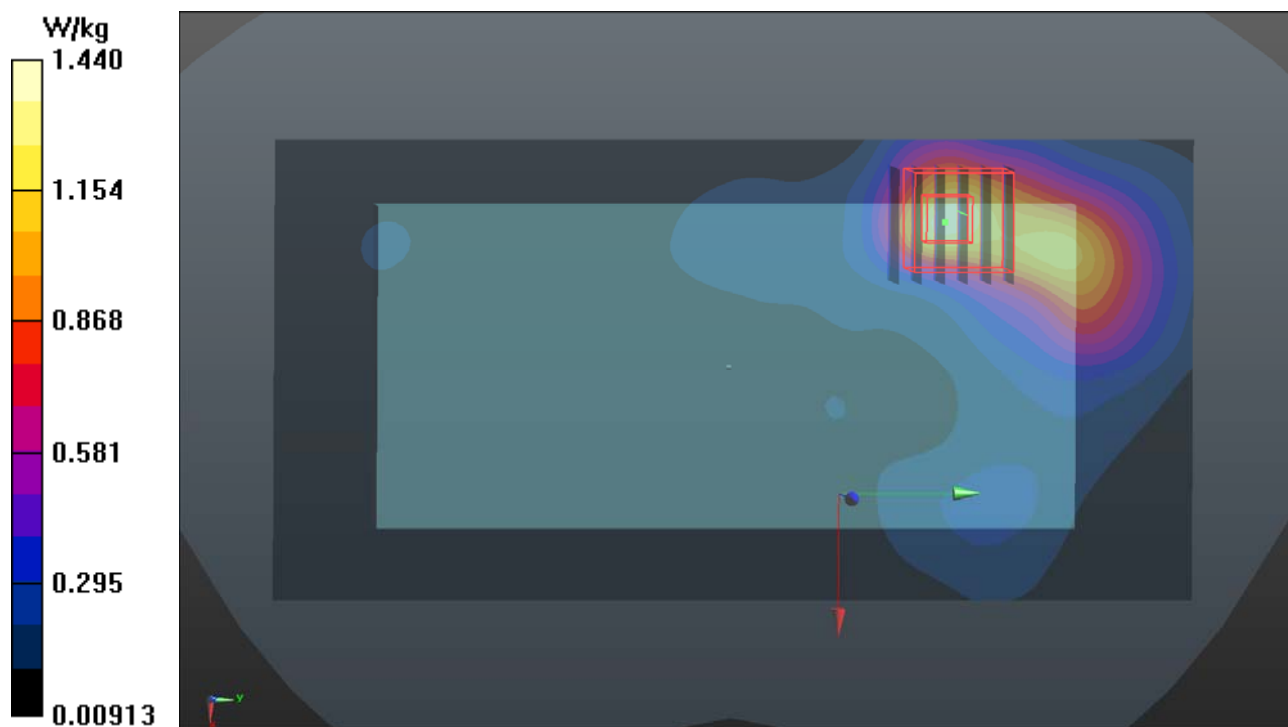
- Zoom Scan (6x6x12)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=2mm

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/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) = 0.0553 W/kg

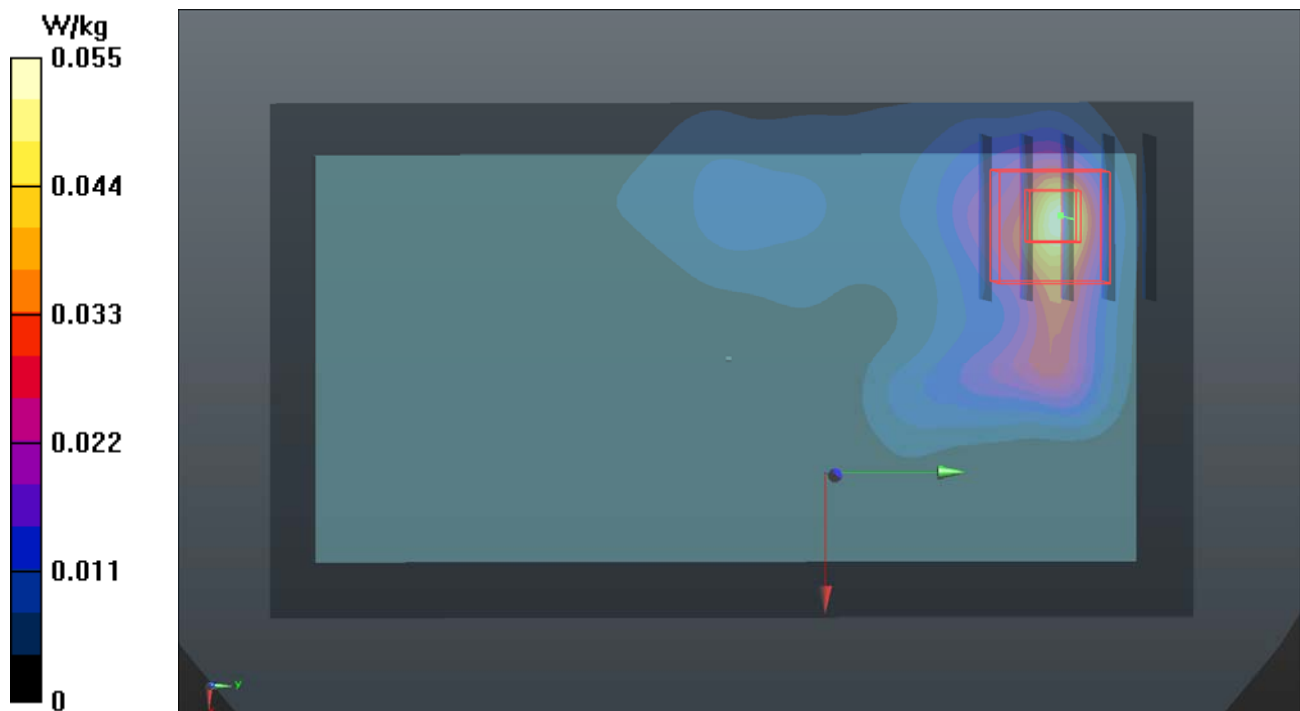
- Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

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/m³

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

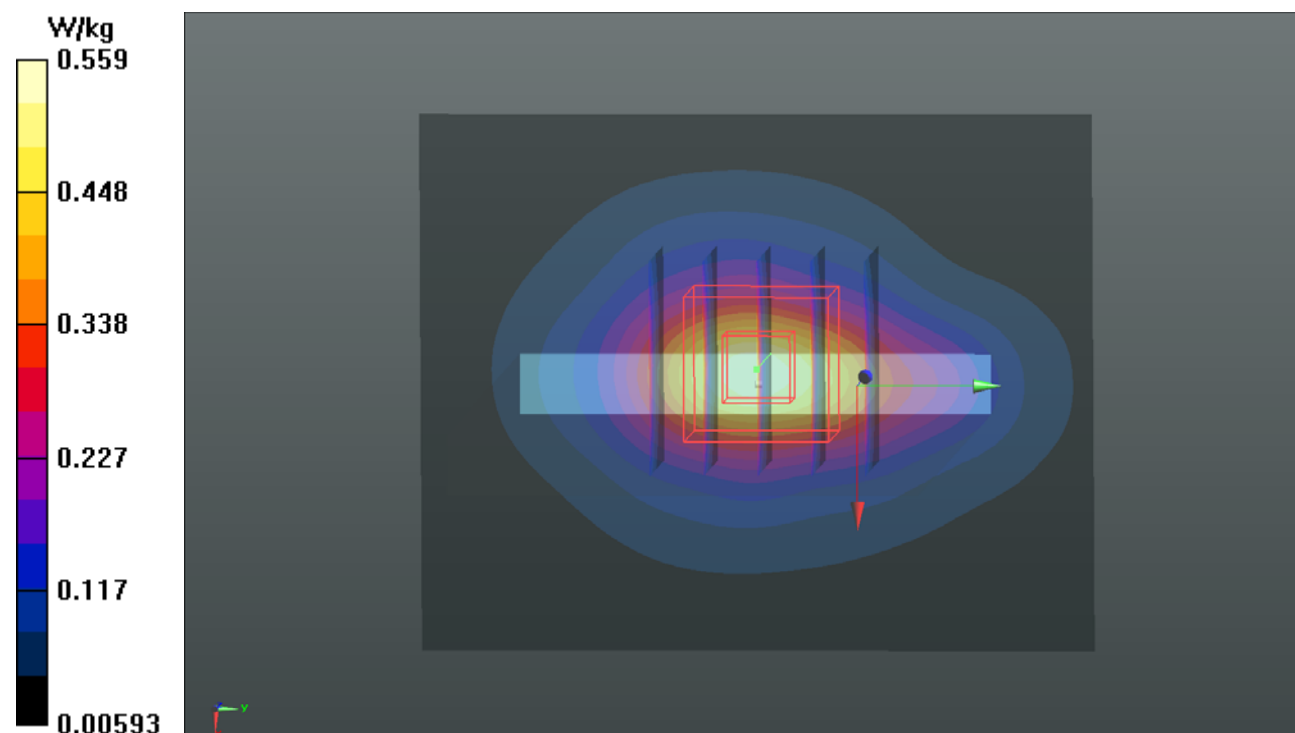
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

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: $f = 1908$ MHz; $\sigma = 1.59$ S/m; $\epsilon_r = 53.394$; $\rho = 1000$ kg/m³

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) = 0.694 W/kg

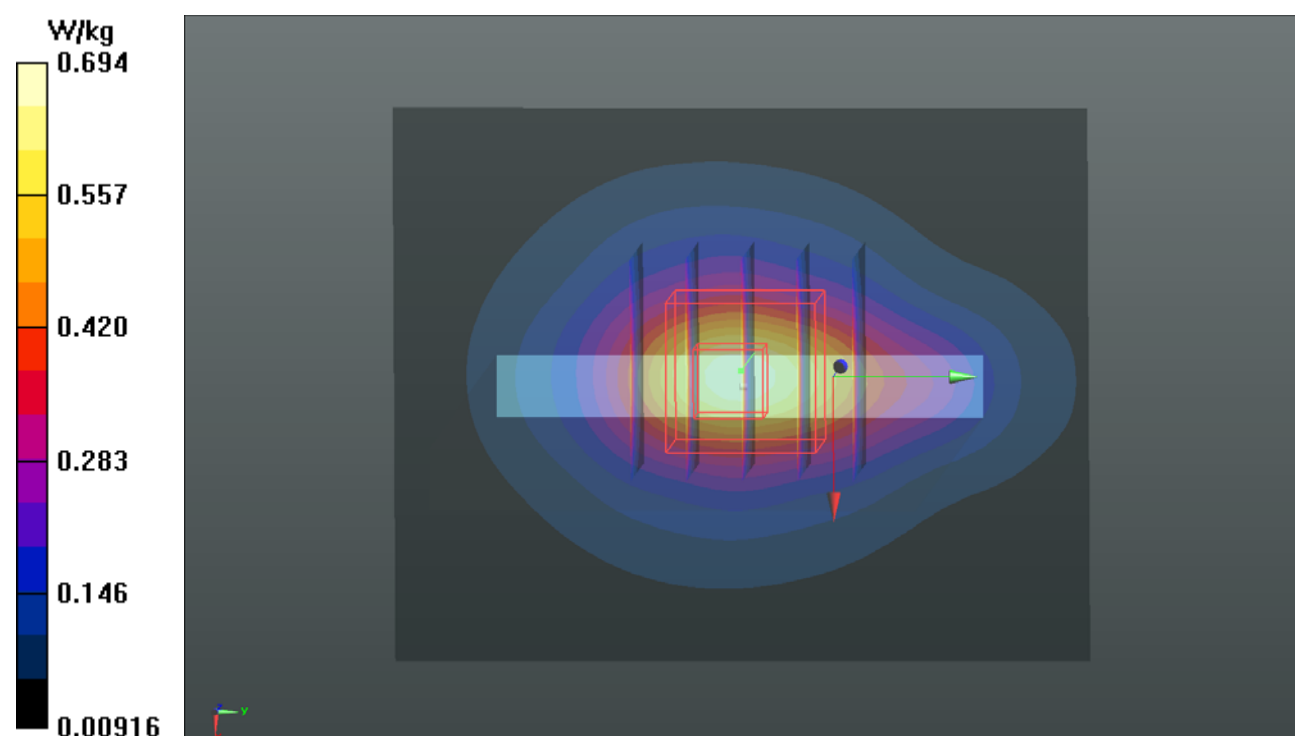
- Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 19.75 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 0.957 W/kg

SAR(1 g) = 0.581 W/kg; SAR(10 g) = 0.327 W/kg

Maximum value of SAR (measured) = 0.816 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/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 (61x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

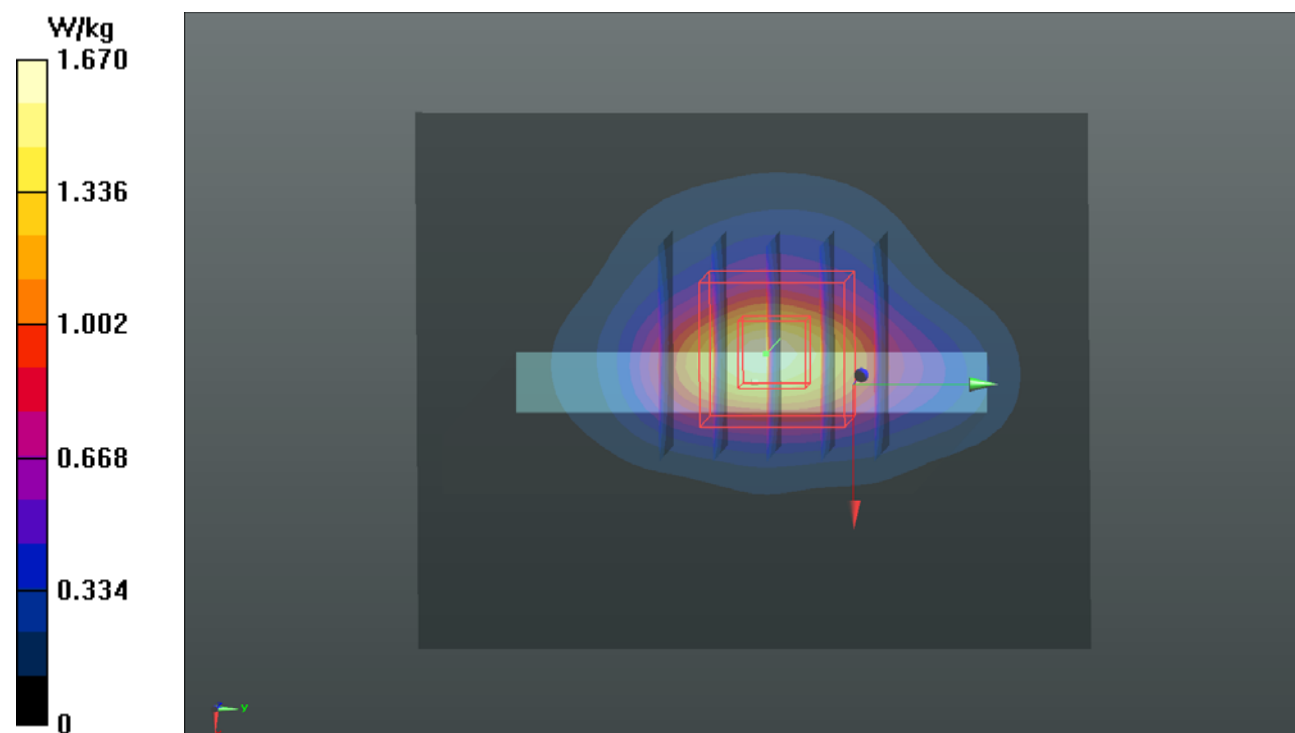
- Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

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/m³

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

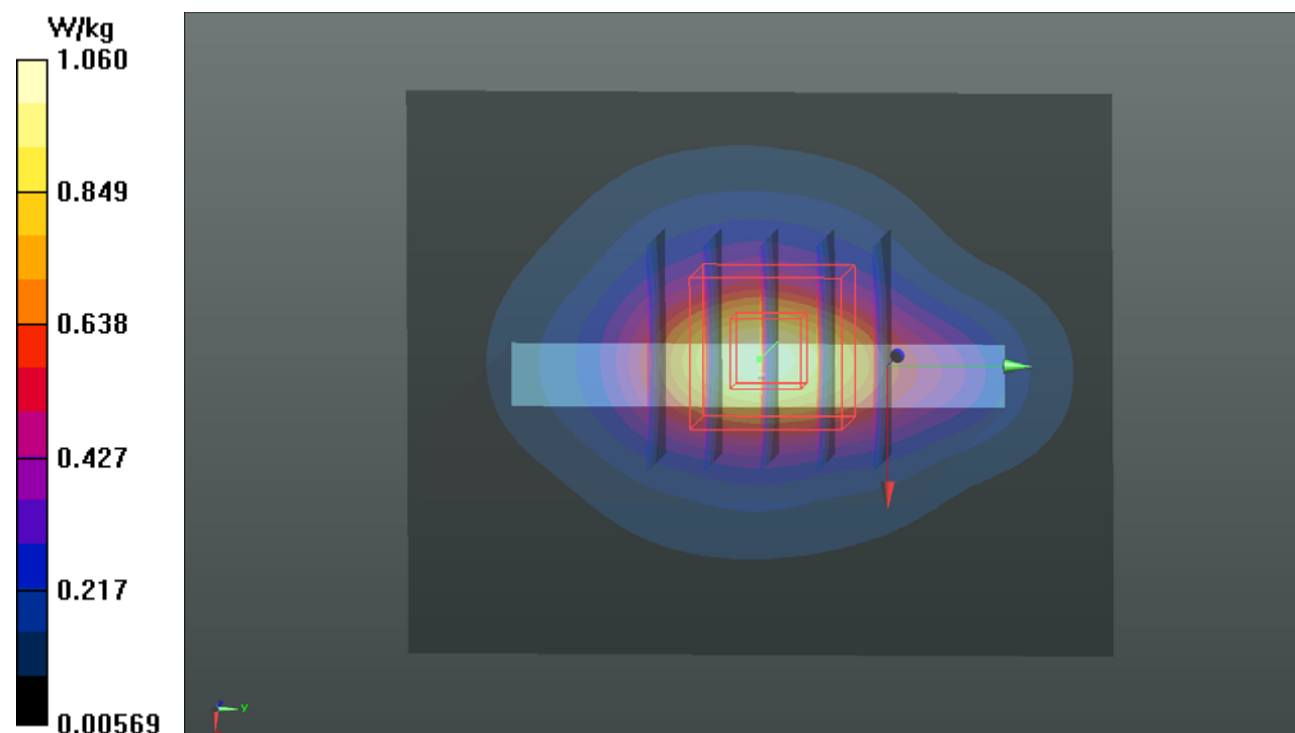
- Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

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/m³

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

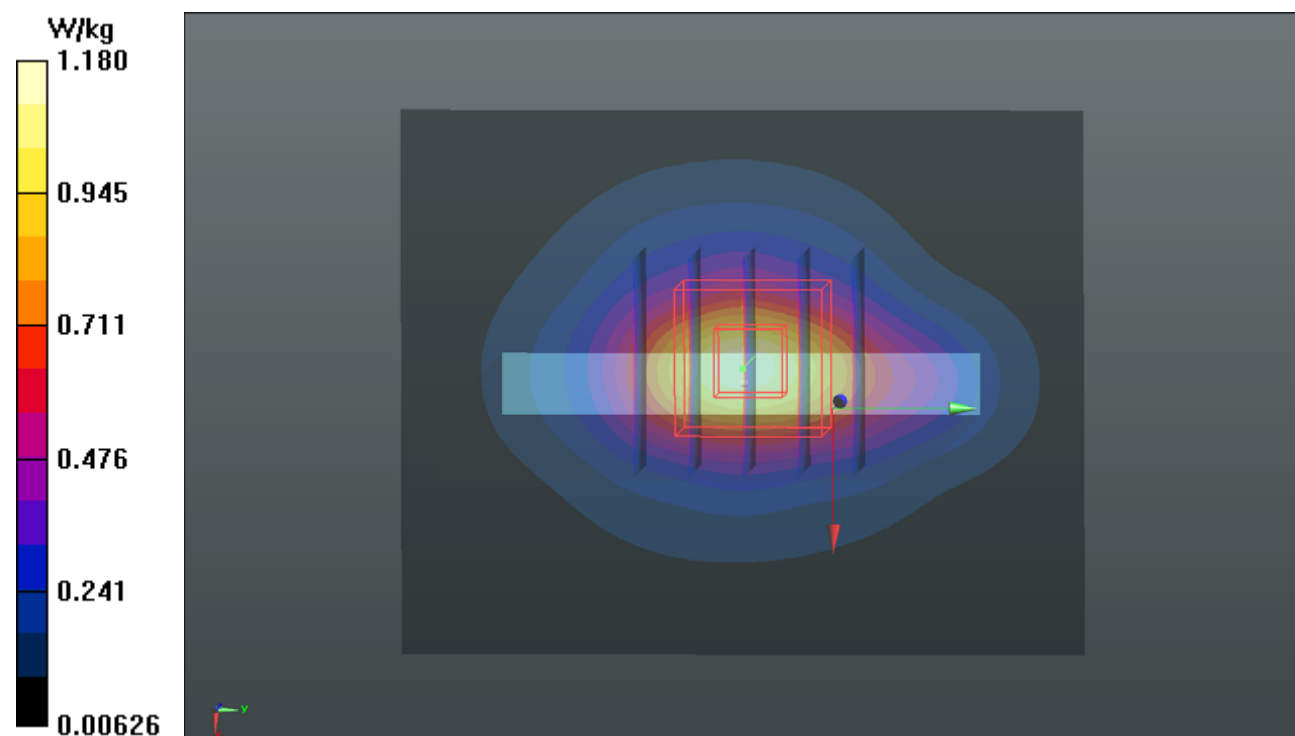
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

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/m³

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

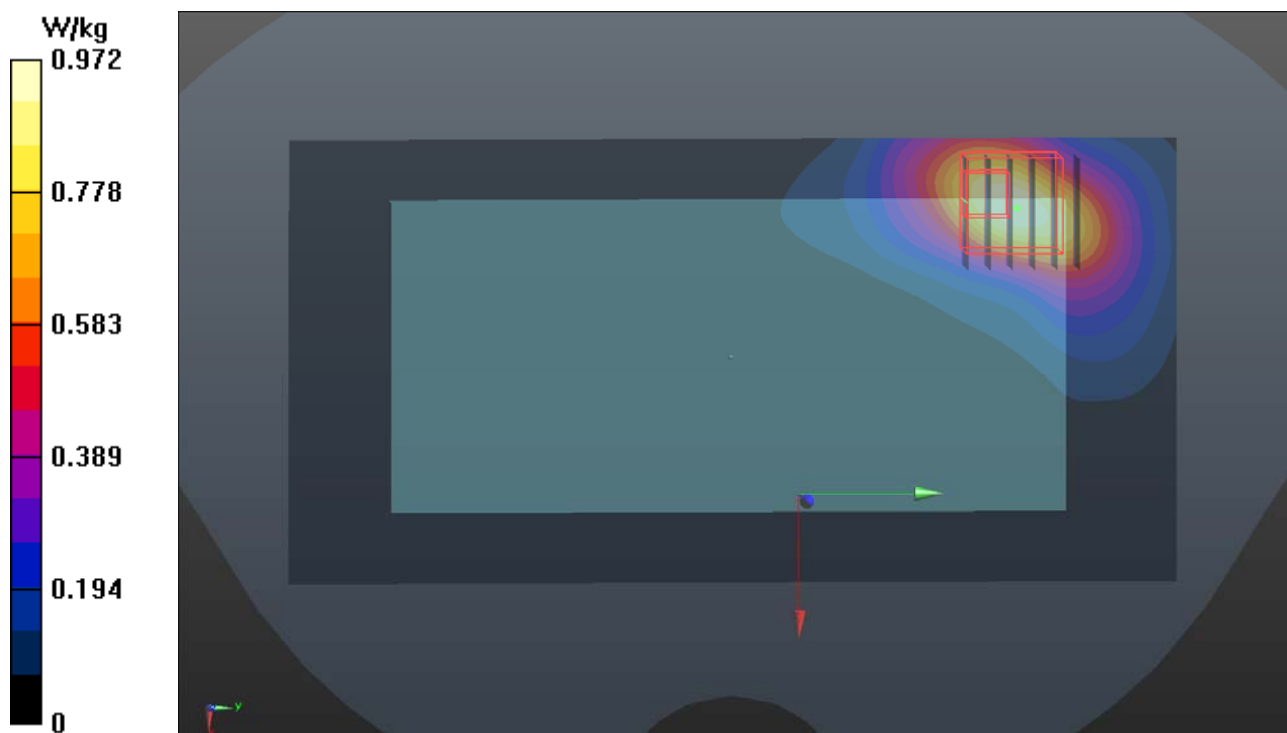
- Zoom Scan (6x6x12)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=2mm

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/m³

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

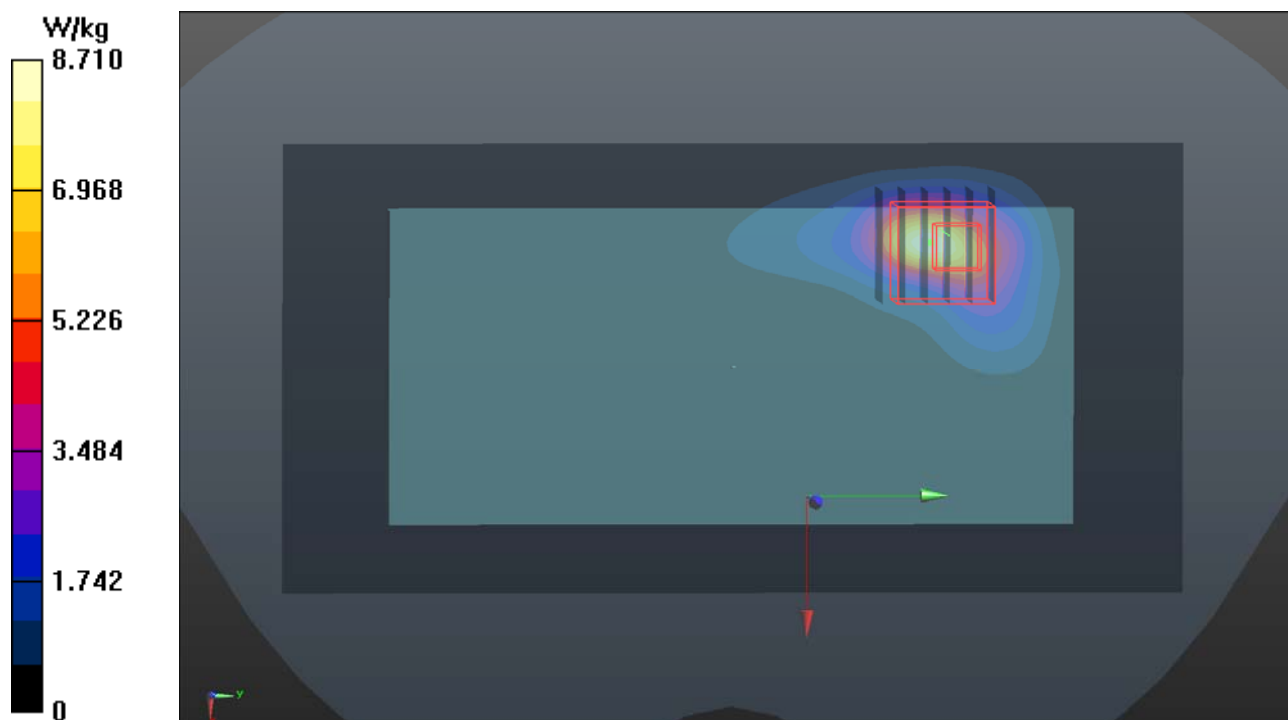
- Zoom Scan (6x6x12)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=2mm

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/m³

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

