

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_Ch251_Sample1_Ant1**DUT: 180920C21**

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

Medium: H07T10N1_1110 Medium parameters used: $f = 849$ MHz; $\sigma = 0.92$ S/m; $\epsilon_r = 40.67$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.7 °C ; Liquid Temperature : 23.2 °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) = 0.877 W/kg

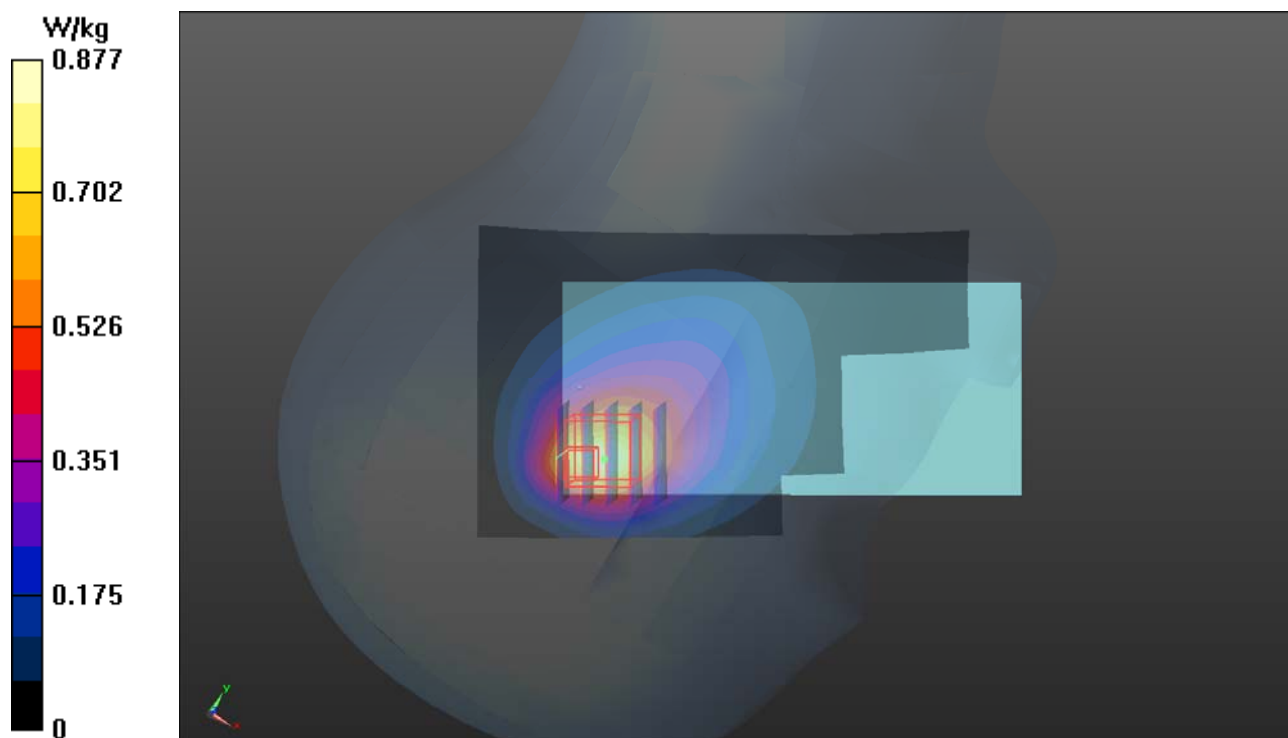
- Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 0 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.26 W/kg

SAR(1 g) = 0.568 W/kg; SAR(10 g) = 0.336 W/kg

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



P02 GSM1900_GPRS12_Right Cheek_Ch810_Sample1_Ant1**DUT: 180920C21**

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

Medium: H16T20N1_1110 Medium parameters used: $f = 1910$ MHz; $\sigma = 1.468$ S/m; $\epsilon_r = 39.122$; $\rho = 1000$ 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 (71x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.881 W/kg

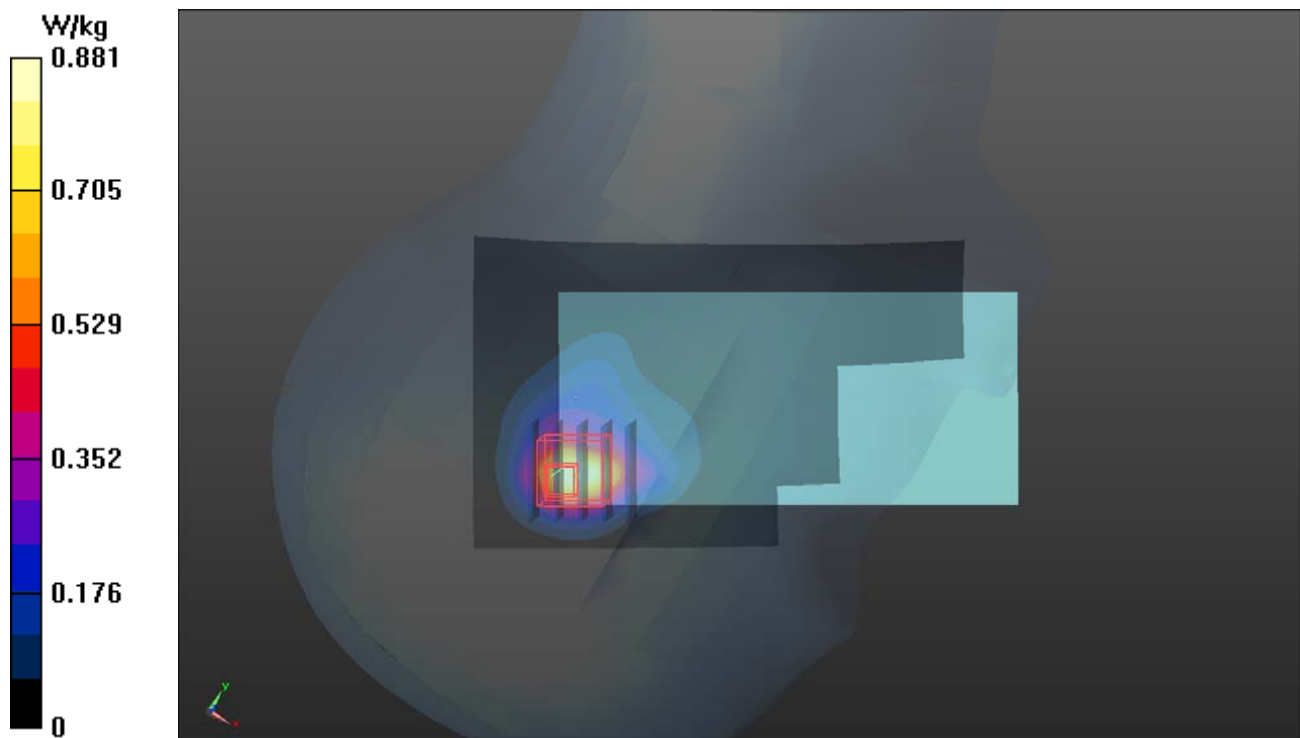
- Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 21.40 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.989 W/kg

SAR(1 g) = 0.429 W/kg; SAR(10 g) = 0.208 W/kg

Maximum value of SAR (measured) = 0.765 W/kg



P03 WCDMA II_RMC12.2K_Right Cheek_Ch9262_Sample1_Ant1**DUT: 180920C21**

Communication System: WCDMA; Frequency: 1852.4 MHz; Duty Cycle: 1:1

Medium: H16T20N1_1121 Medium parameters used: $f = 1852.4$ MHz; $\sigma = 1.414$ S/m; $\epsilon_r = 39.862$; ρ

$= 1000$ kg/m³

Ambient Temperature : 23.5 °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) = 1.84 W/kg

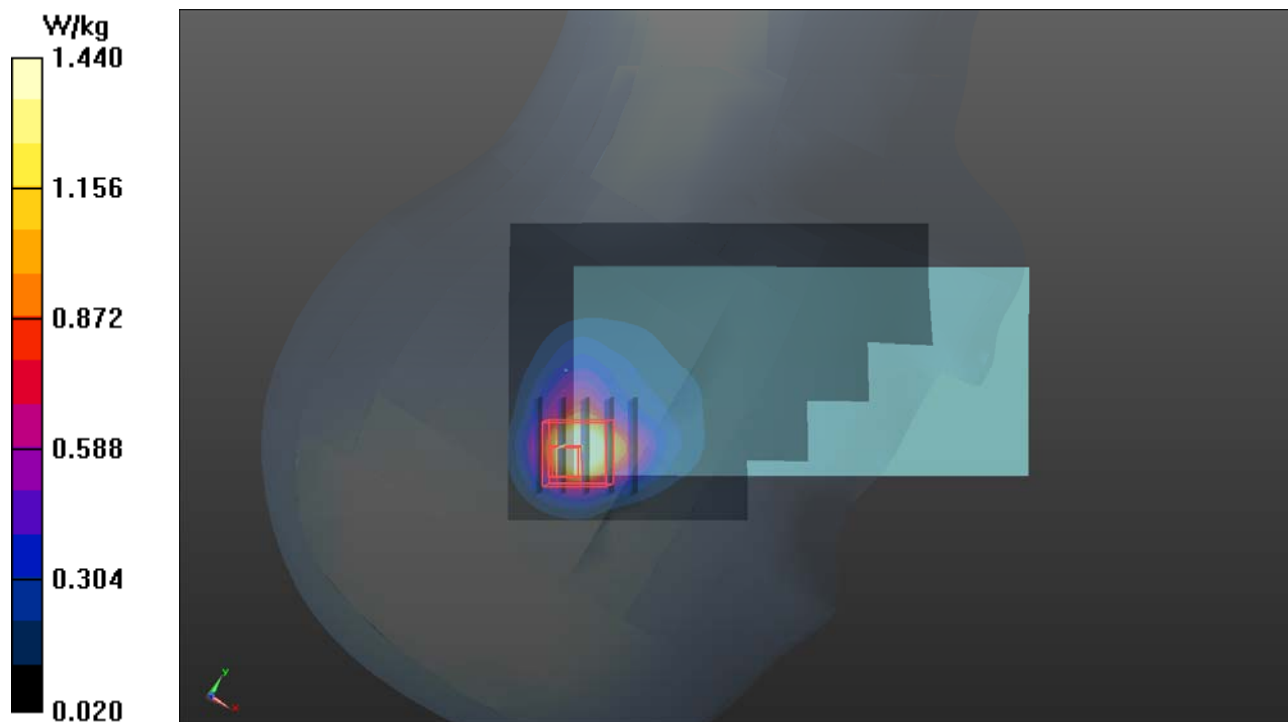
- Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 33.83 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 2.01 W/kg

SAR(1 g) = 0.893 W/kg; SAR(10 g) = 0.440 W/kg

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



P04 WCDMA IV_RMC12.2K_Right Cheek_Ch1513_Sample1_Ant1**DUT: 180920C21**

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

Medium: H16T20N1_1110 Medium parameters used: $f = 1753$ MHz; $\sigma = 1.325$ S/m; $\epsilon_r = 39.703$; $\rho = 1000$ 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) = 0.585 W/kg

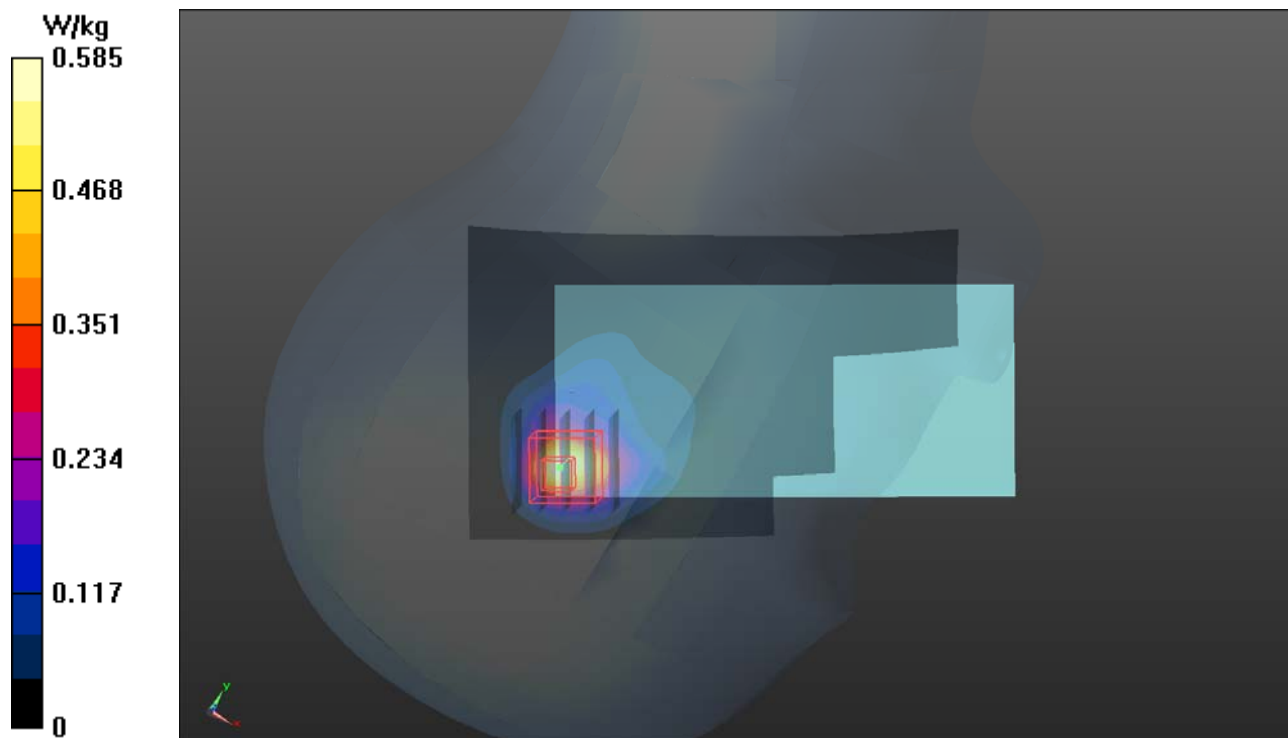
- Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.15 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.626 W/kg

SAR(1 g) = 0.283 W/kg; SAR(10 g) = 0.136 W/kg

Maximum value of SAR (measured) = 0.452 W/kg



P05 WCDMA V_RMC12.2K_Right Cheek_Ch4182_Sample1_Ant1**DUT: 180920C21**

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

Medium: H07T10N1_1110 Medium parameters used: $f = 836.4$ MHz; $\sigma = 0.908$ S/m; $\epsilon_r = 40.823$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.7 °C ; Liquid Temperature : 23.2 °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) = 0.662 W/kg

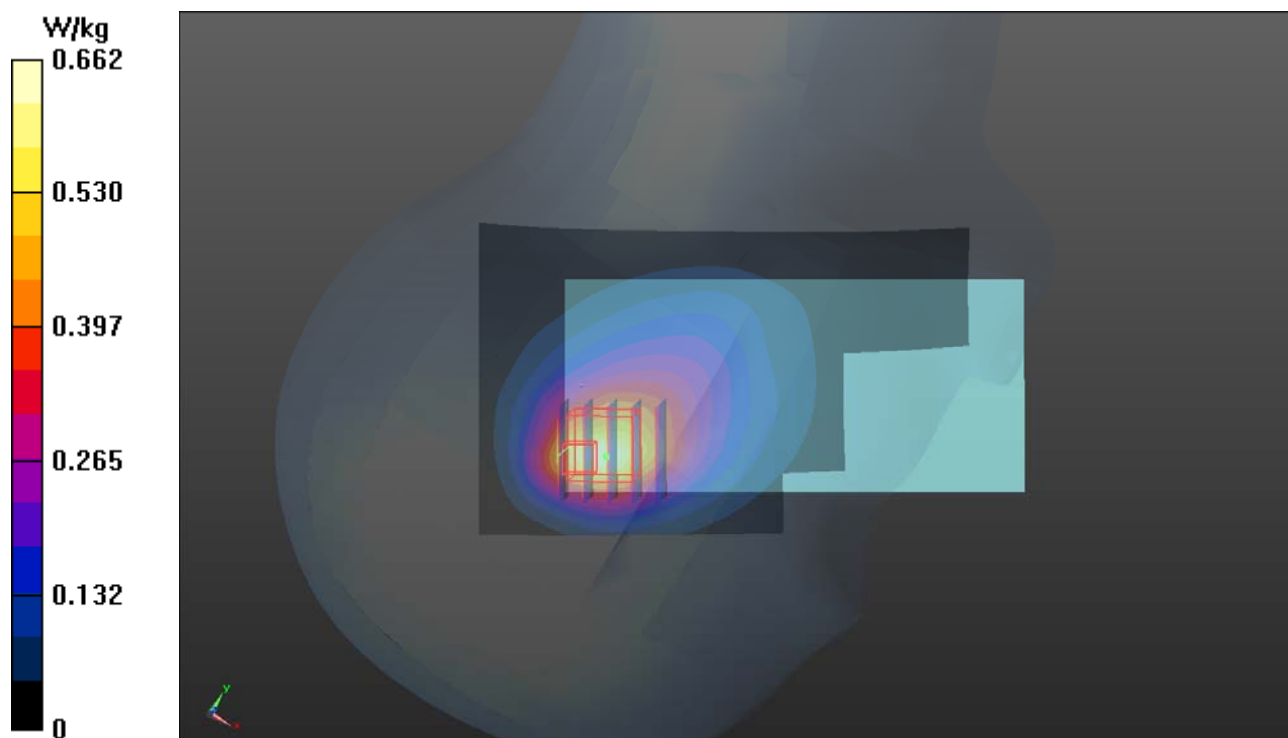
- Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 24.73 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 1.07 W/kg

SAR(1 g) = 0.463 W/kg; SAR(10 g) = 0.272 W/kg

Maximum value of SAR (measured) = 0.767 W/kg



P06 CDMA BC0_RC3+SO55_Right Cheek_Ch1013_Sample1_Ant1**DUT: 180920C21**

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

Medium: H07T10N1_1110 Medium parameters used: $f = 825$ MHz; $\sigma = 0.898$ S/m; $\epsilon_r = 40.98$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.7 °C ; Liquid Temperature : 23.2 °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) = 0.926 W/kg

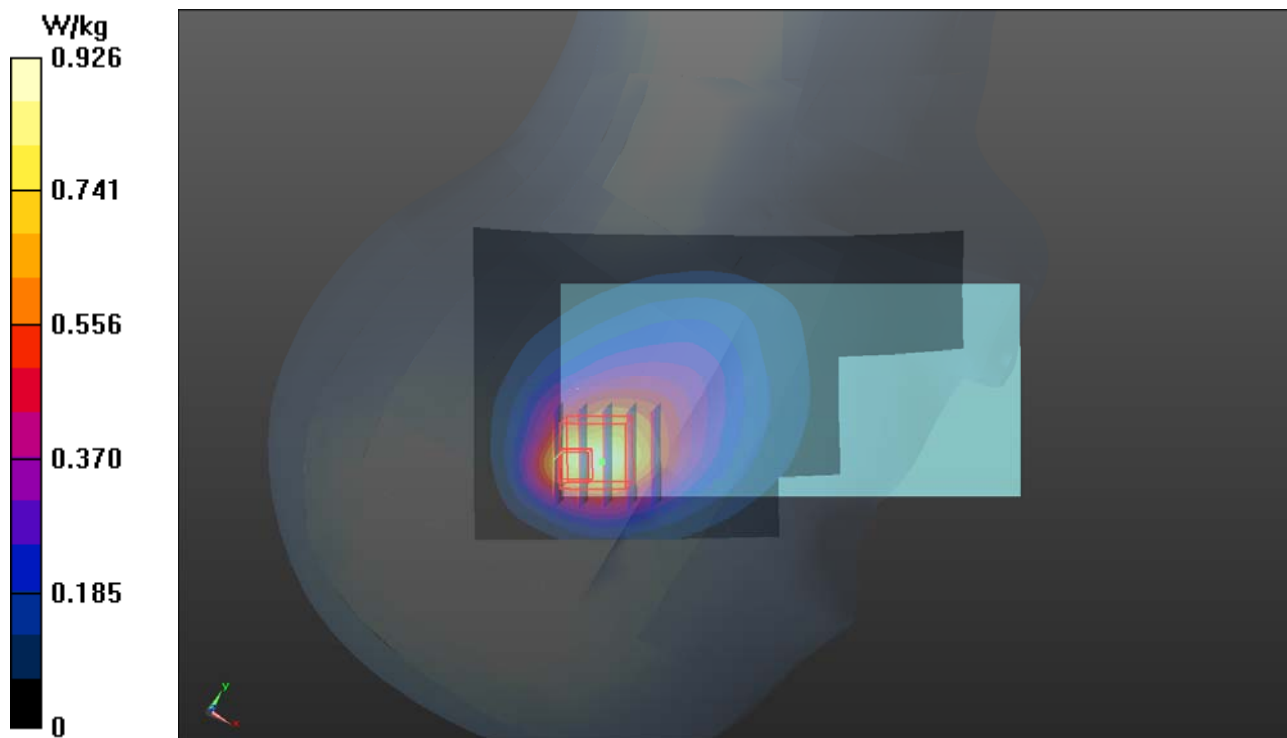
- Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 29.46 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 1.49 W/kg

SAR(1 g) = 0.644 W/kg; SAR(10 g) = 0.377 W/kg

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



P07 CDMA BC1_RC3+SO55_Right Cheek_Ch1175_Sample1_Ant1**DUT: 180920C21**

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

Medium: H16T20N1_1121 Medium parameters used: $f = 1909$ MHz; $\sigma = 1.464$ S/m; $\epsilon_r = 39.675$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.5 °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) = 1.65 W/kg

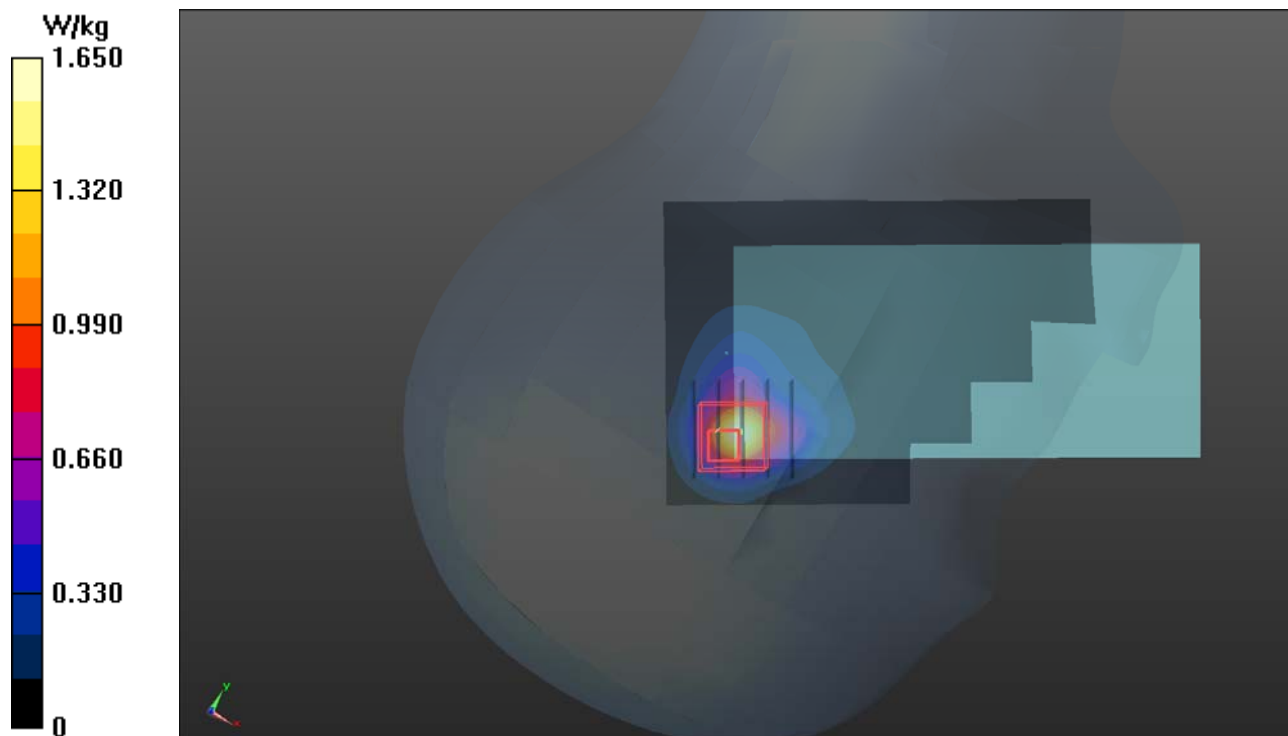
- Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 30.60 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 1.68 W/kg

SAR(1 g) = 0.732 W/kg; SAR(10 g) = 0.350 W/kg

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



P08 CDMA BC10_RC3+SO55_Right Cheek_Ch476_Sample1_Ant1**DUT: 180920C21**

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

Medium: H07T10N1_1110 Medium parameters used: $f = 818 \text{ MHz}$; $\sigma = 0.891 \text{ S/m}$; $\epsilon_r = 41.075$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 23.7°C ; Liquid Temperature : 23.2°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) = 0.842 W/kg

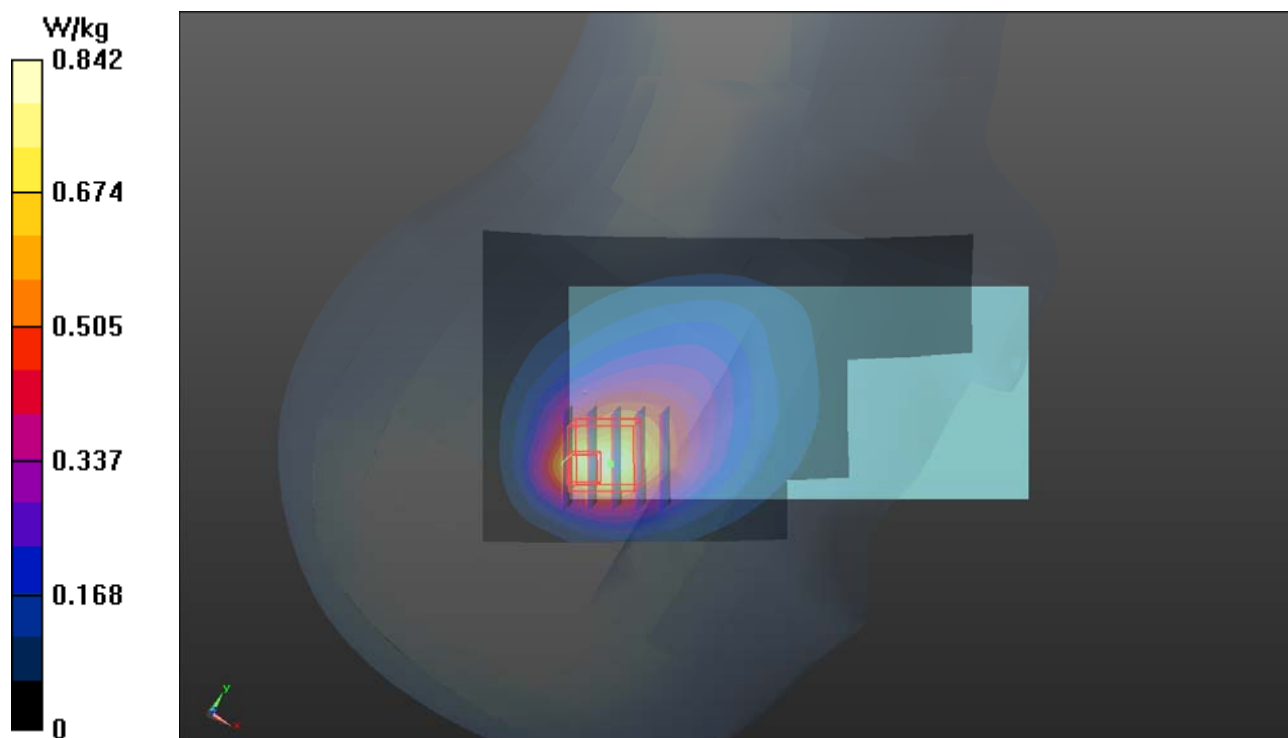
- Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 28.20 V/m ; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 1.35 W/kg

SAR(1 g) = 0.587 W/kg ; SAR(10 g) = 0.342 W/kg

Maximum value of SAR (measured) = 0.967 W/kg



P09 LTE 7_QPSK20M_Right Cheek_Ch21100_1RB_OS0_Sample1_Ant3**DUT: 180920C21**

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

Medium: H19T27N3_1114 Medium parameters used: $f = 2535$ MHz; $\sigma = 1.977$ S/m; $\epsilon_r = 37.679$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3971; ConvF(7.59, 7.59, 7.59); Calibrated: 2018/03/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1431; Calibrated: 2018/03/16
- Phantom: Twin SAM Phantom_1653; 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) = 1.35 W/kg

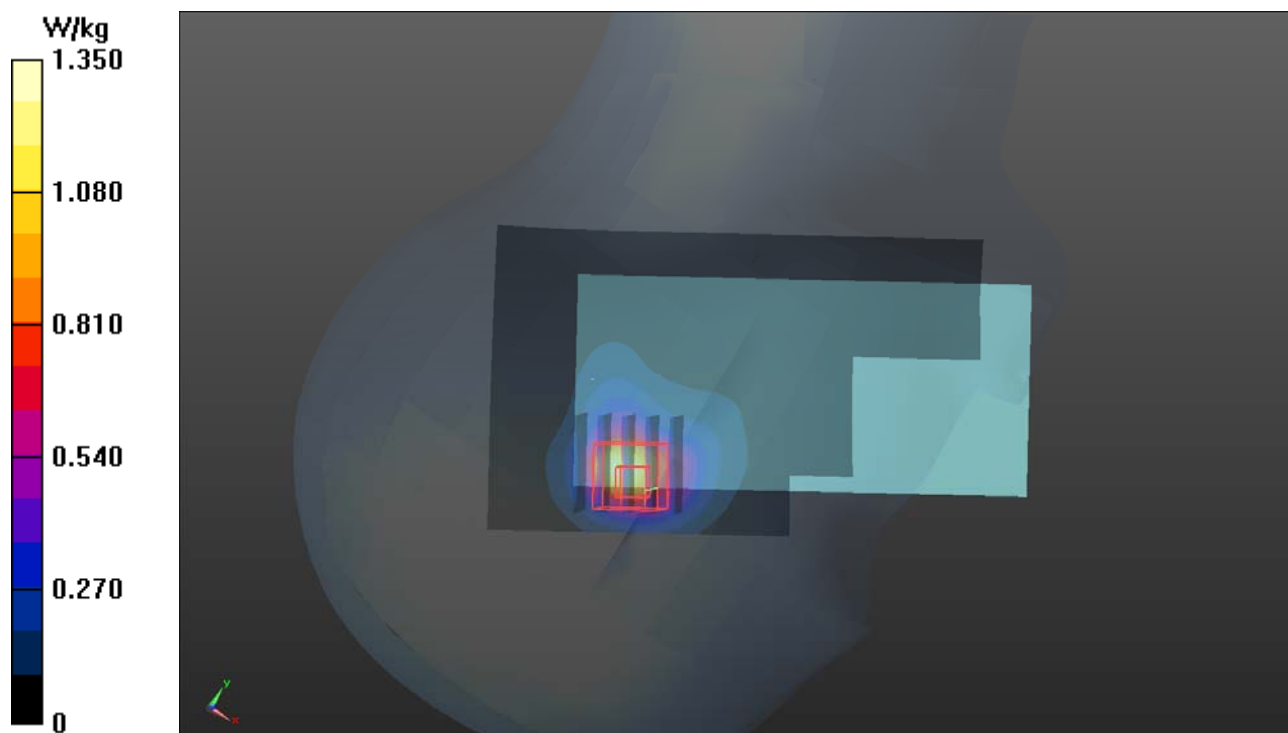
- Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 27.00 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 2.28 W/kg

SAR(1 g) = 0.929 W/kg; SAR(10 g) = 0.401 W/kg

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



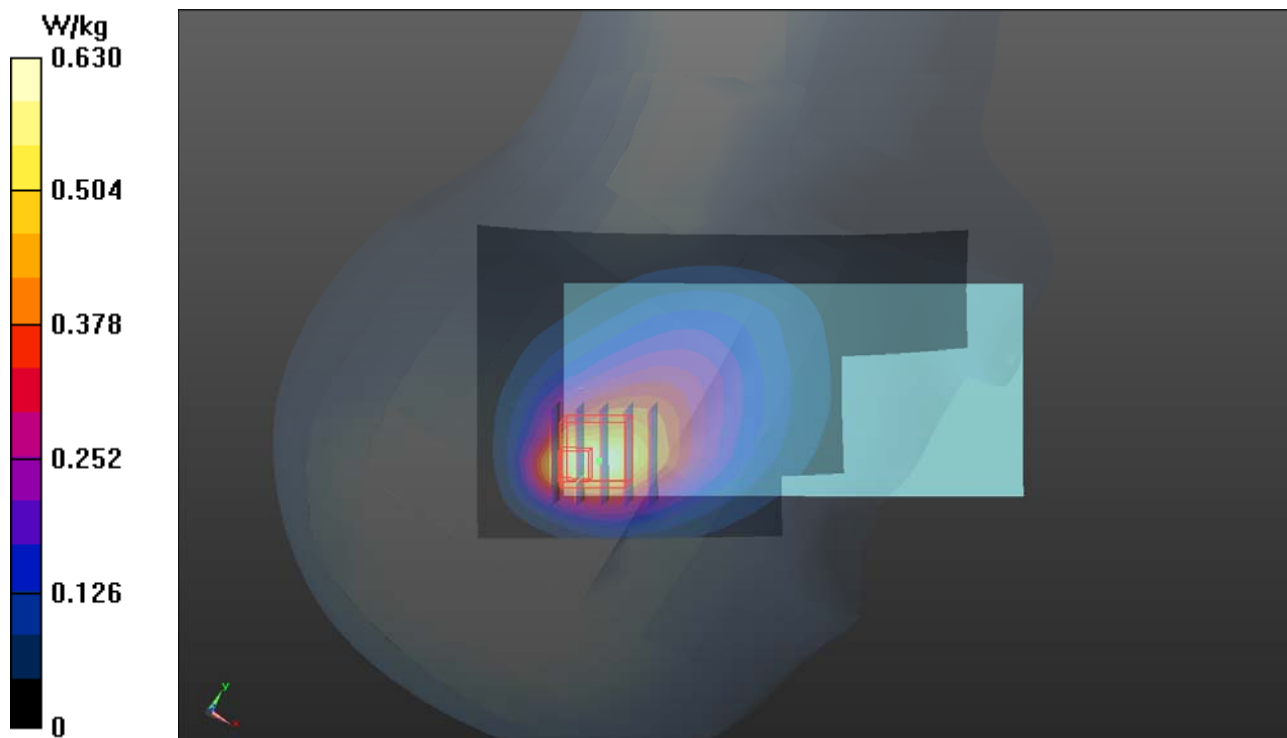
P10 LTE 12_QPSK10M_Right Cheek_Ch23060_1RB_OS0_Sample1_Ant1**DUT: 180920C21**

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

Medium: H06T09N1_1110 Medium parameters used: $f = 704 \text{ MHz}$; $\sigma = 0.854 \text{ S/m}$; $\epsilon_r = 41.892$; $\rho = 1000 \text{ kg/m}^3$ Ambient Temperature : $23.7 \text{ }^\circ\text{C}$; Liquid Temperature : $23.2 \text{ }^\circ\text{C}$

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(10.34, 10.34, 10.34); Calibrated: 2018/07/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2018/08/27
- Phantom: Twin SAM Phantom_1654; Type: QD000P40;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

- Area Scan (71x141x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 0.630 W/kg **- Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 25.18 V/m ; Power Drift = 0.18 dB Peak SAR (extrapolated) = 1.31 W/kg **SAR(1 g) = 0.501 W/kg ; SAR(10 g) = 0.269 W/kg** Maximum value of SAR (measured) = 0.834 W/kg 

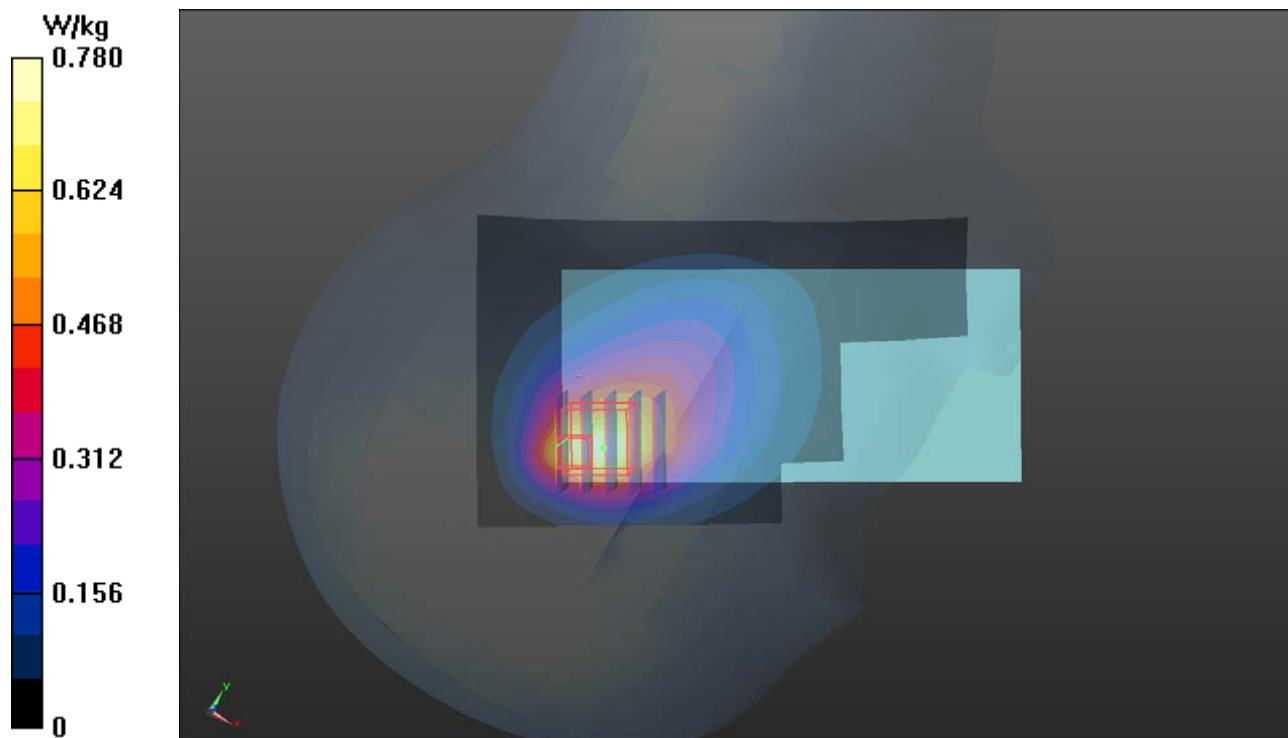
P11 LTE 13_QPSK10M_Right Cheek_Ch23230_1RB_OS0_Sample1_Ant1**DUT: 180920C21**

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

Medium: H06T09N1_1110 Medium parameters used: $f = 782 \text{ MHz}$; $\sigma = 0.927 \text{ S/m}$; $\epsilon_r = 40.869$; $\rho = 1000 \text{ kg/m}^3$ Ambient Temperature : 23.7°C ; Liquid Temperature : 23.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(10.34, 10.34, 10.34); Calibrated: 2018/07/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2018/08/27
- Phantom: Twin SAM Phantom_1654; Type: QD000P40;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

- Area Scan (71x141x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 0.780 W/kg **- Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 26.68 V/m ; Power Drift = 0.09 dB Peak SAR (extrapolated) = 1.31 W/kg **SAR(1 g) = 0.551 W/kg ; SAR(10 g) = 0.319 W/kg** Maximum value of SAR (measured) = 0.930 W/kg 

P12 LTE 25_QPSK20M_Right Cheek_Ch26140_1RB_OS0_Sample1_Ant1**DUT: 180920C21**

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

Medium: H16T20N1_1121 Medium parameters used: $f = 1860$ MHz; $\sigma = 1.421$ S/m; $\epsilon_r = 39.839$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.5 °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) = 1.60 W/kg

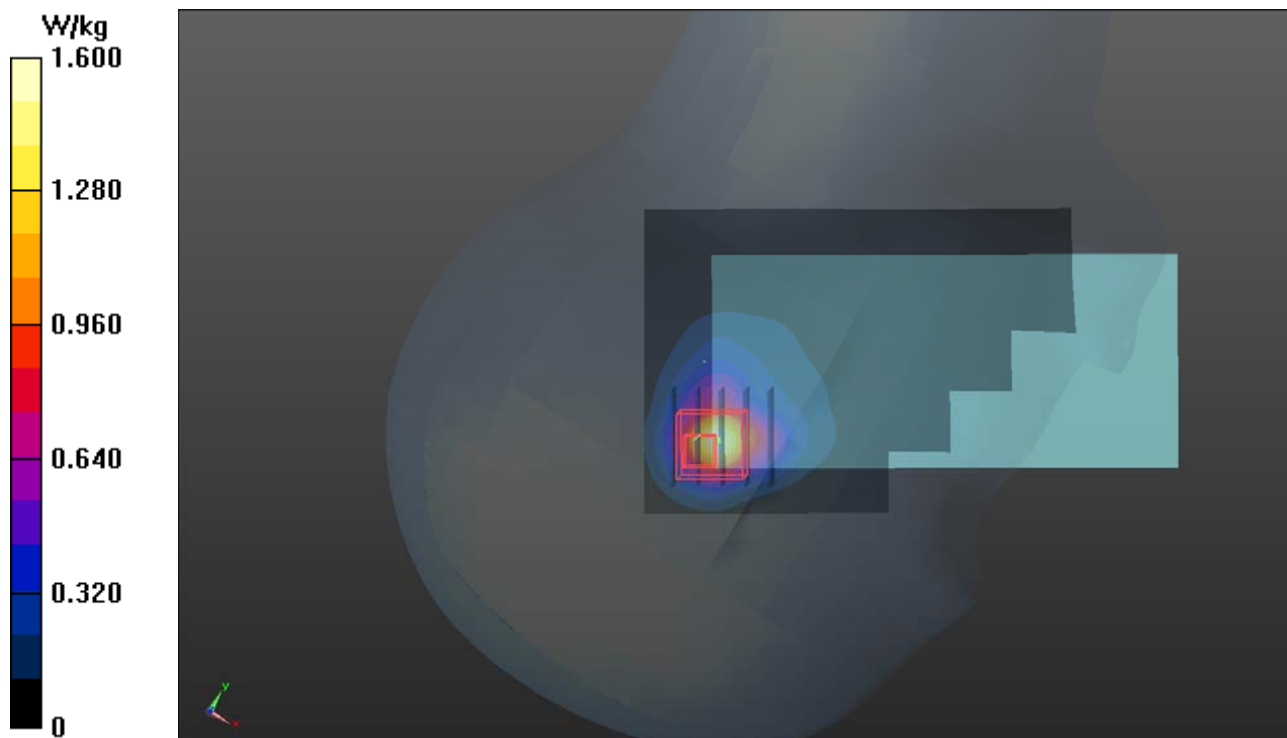
- Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 31.39 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 1.72 W/kg

SAR(1 g) = 0.755 W/kg; SAR(10 g) = 0.369 W/kg

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



P13 LTE 26_QPSK15M_Right Cheek_Ch26965_1RB_OS0_Sample1_Ant1**DUT: 180920C21**

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

Medium: H07T10N1_1110 Medium parameters used: $f = 841.5$ MHz; $\sigma = 0.913$ S/m; $\epsilon_r = 40.761$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.7 °C ; Liquid Temperature : 23.2 °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) = 0.883 W/kg

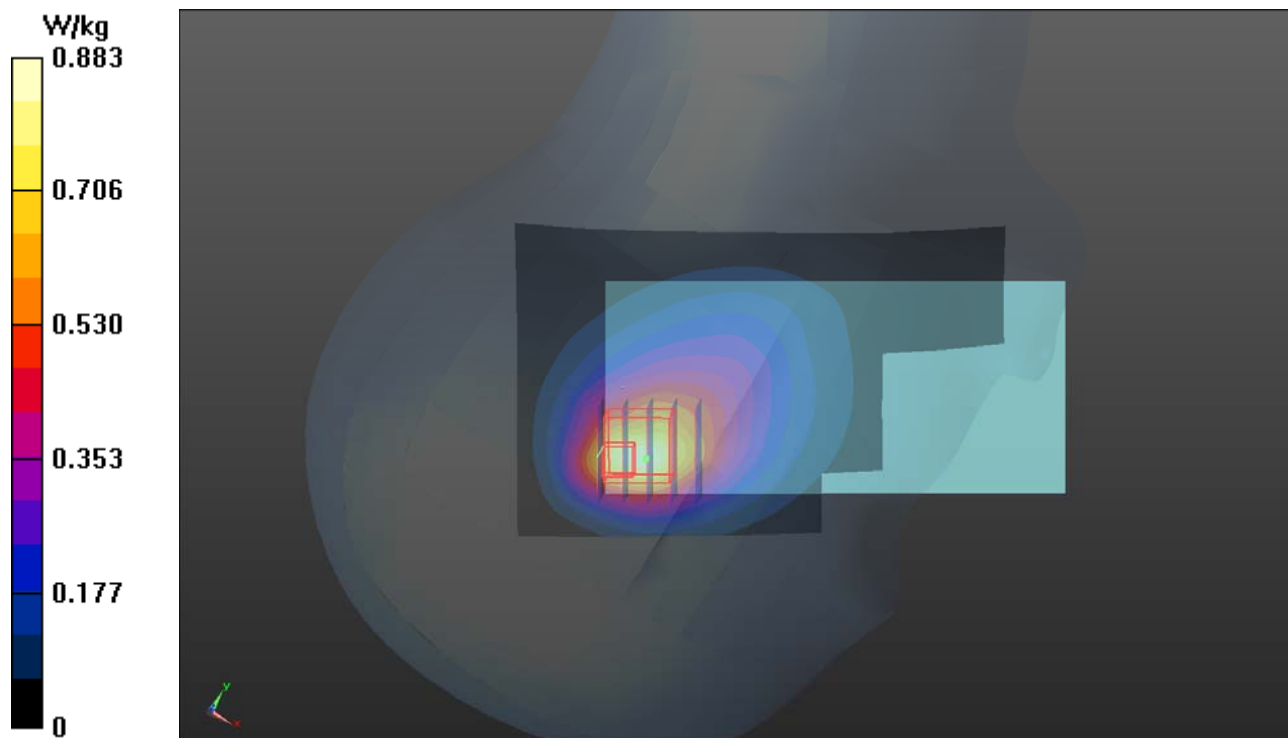
- Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 28.70 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 1.42 W/kg

SAR(1 g) = 0.623 W/kg; SAR(10 g) = 0.367 W/kg

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



P14 LTE 38_QPSK20M_Right Cheek_Ch38150_1RB_OS0_Sample1_Ant3**DUT: 180920C21**

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

Medium: H19T27N3_1114 Medium parameters used: $f = 2610$ MHz; $\sigma = 2.063$ S/m; $\epsilon_r = 37.364$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3971; ConvF(7.59, 7.59, 7.59); Calibrated: 2018/03/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1431; Calibrated: 2018/03/16
- Phantom: Twin SAM Phantom_1653; 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) = 0.918 W/kg

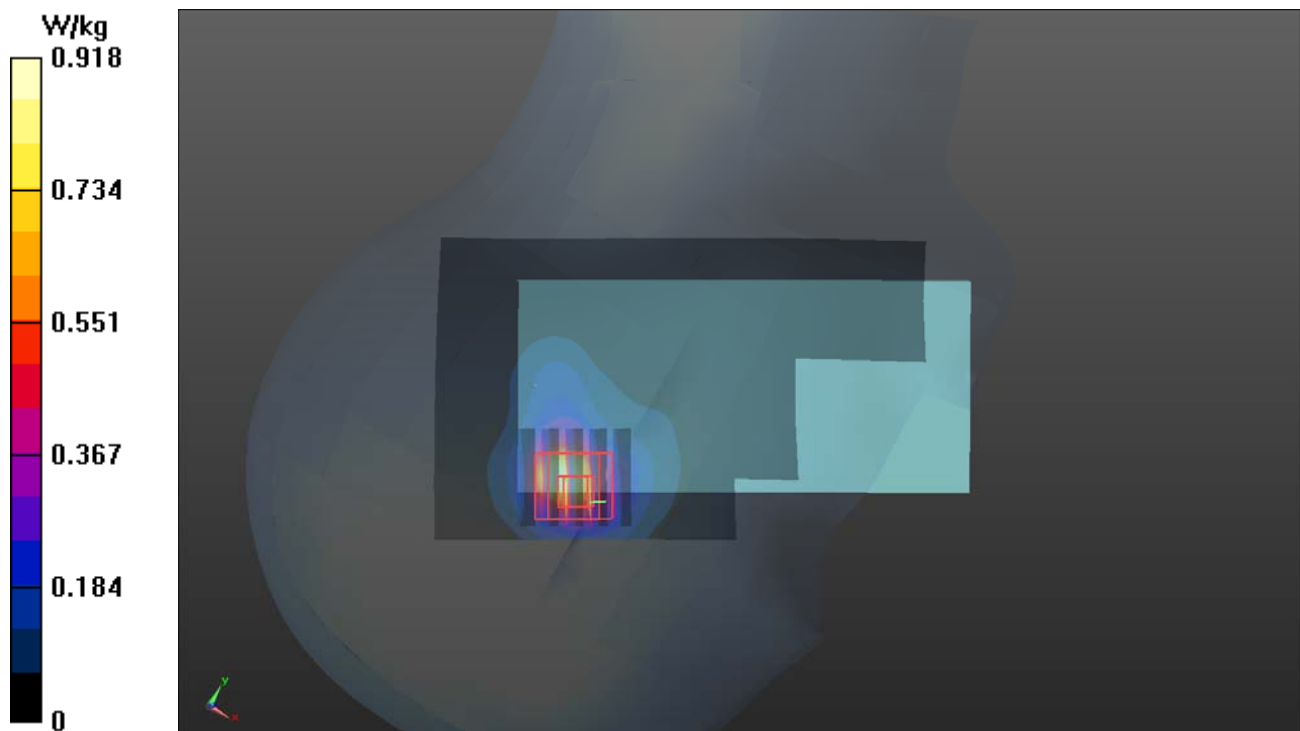
- Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 22.79 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 1.54 W/kg

SAR(1 g) = 0.675 W/kg; SAR(10 g) = 0.302 W/kg

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



P15 LTE 41_QPSK20M_Right Cheek_Ch40185_1RB_OS99_Sample1_Ant3**DUT: 180920C21**

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

Medium: H19T27N3_1114 Medium parameters used: $f = 2550$ MHz; $\sigma = 1.994$ S/m; $\epsilon_r = 37.617$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3971; ConvF(7.59, 7.59, 7.59); Calibrated: 2018/03/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1431; Calibrated: 2018/03/16
- Phantom: Twin SAM Phantom_1653; 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) = 0.828 W/kg

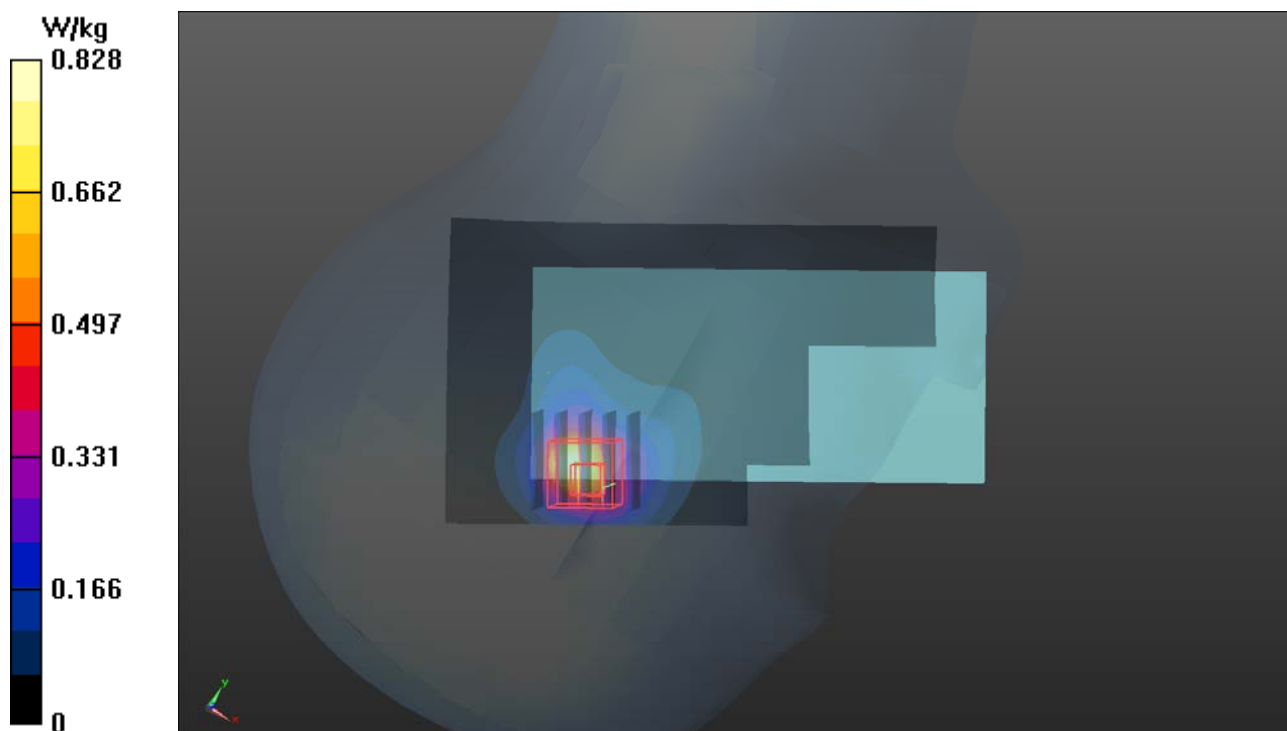
- Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 21.85 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 1.44 W/kg

SAR(1 g) = 0.617 W/kg; SAR(10 g) = 0.276 W/kg

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



P16 LTE 66_QPSK20M_Right Tilted_Ch132322_1RB_OS50_Sample1_Ant1**DUT: 180920C21**

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

Medium: H16T20N1_1110 Medium parameters used: $f = 1745$ MHz; $\sigma = 1.318$ S/m; $\epsilon_r = 39.737$; $\rho = 1000$ 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) = 0.552 W/kg

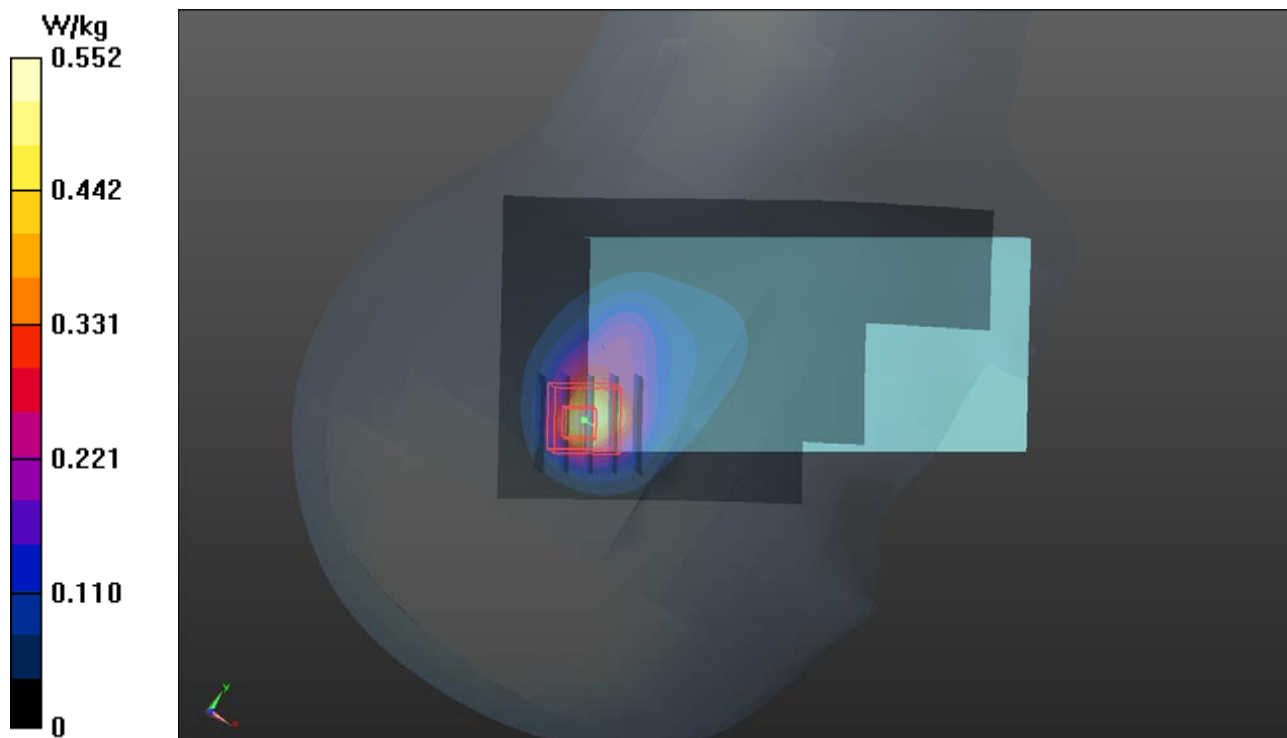
- Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.77 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.680 W/kg

SAR(1 g) = 0.313 W/kg; SAR(10 g) = 0.147 W/kg

Maximum value of SAR (measured) = 0.539 W/kg



P17 WLAN2.4G_802.11b_Left Check_Ch11_Sample1_Ant0+1**DUT: 180920C21**

Communication System: WLAN_2.4G; Frequency: 2462 MHz; Duty Cycle: 1:1.01

Medium: H19T27N1_1108 Medium parameters used: $f = 2462$ MHz; $\sigma = 1.889$ S/m; $\epsilon_r = 38.368$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.6 °C ; Liquid Temperature : 23.4 °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: 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) = 1.32 W/kg

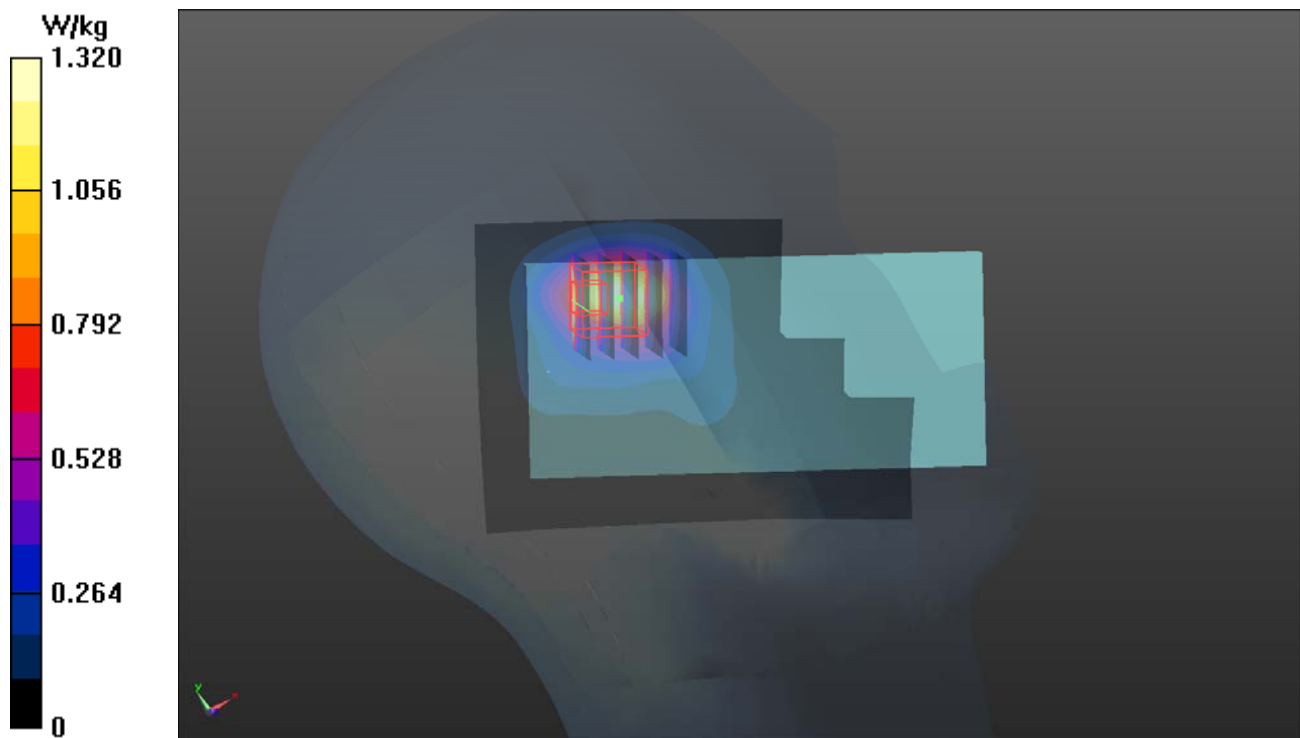
- Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 24.27 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 2.33 W/kg

SAR(1 g) = 1.06 W/kg; SAR(10 g) = 0.478 W/kg

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



P18 WLAN5.3G_802.11ac VHT80_Left Tilted_Ch58_Sample1_Ant0+1**DUT: 180920C21**

Communication System: WLAN_5G; Frequency: 5290 MHz; Duty Cycle: 1:1.08

Medium: H34T60N1_0128 Medium parameters used: $f = 5290$ MHz; $\sigma = 4.796$ S/m; $\epsilon_r = 37.017$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7472; ConvF(5.62, 5.62, 5.62); Calibrated: 2018/08/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1431; Calibrated: 2018/03/16
- Phantom: Twin SAM Phantom_1654; Type: QD000P40CD;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

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

Maximum value of SAR (interpolated) = 1.58 W/kg

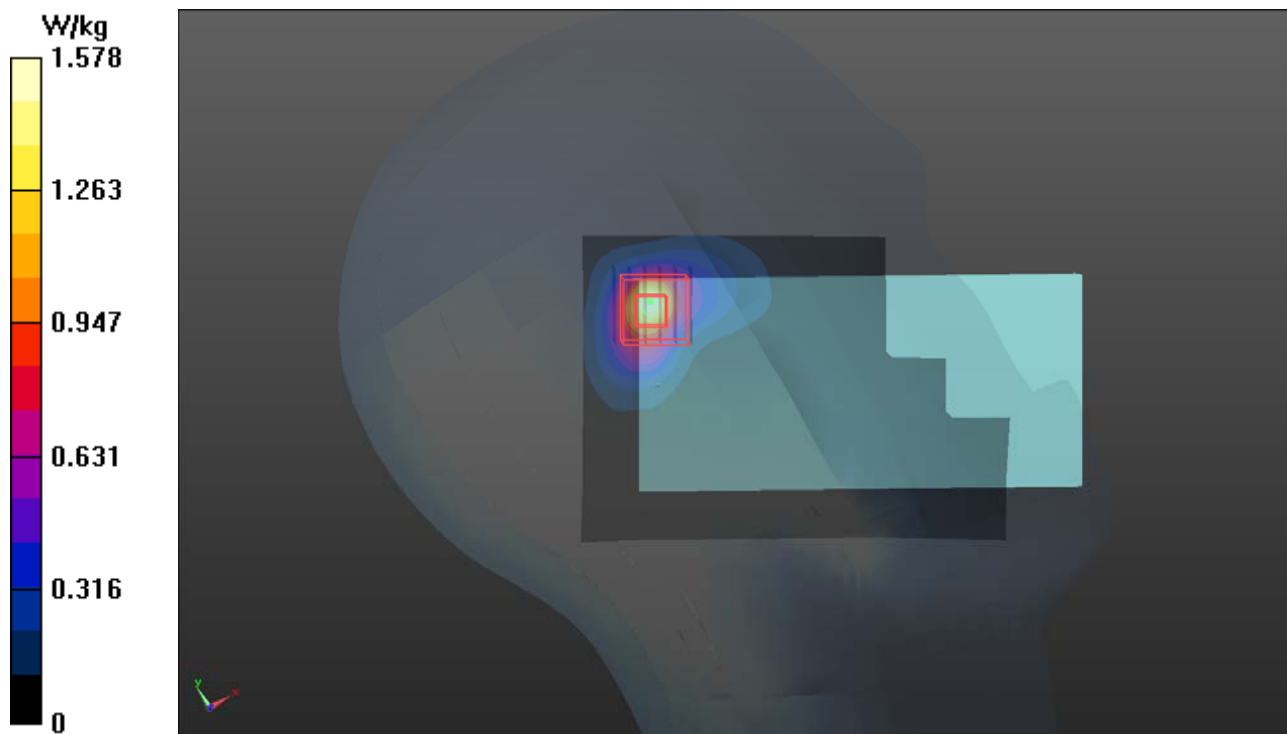
- Zoom Scan (6x6x12)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=2$ mm

Reference Value = 21.30 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 3.38 W/kg

SAR(1 g) = 1.06 W/kg; SAR(10 g) = 0.311 W/kg

Maximum value of SAR (measured) = 1.88 W/kg



P19 WLAN5.6G_802.11ac VHT80_Left Tilted_Ch138_Sample1_Ant0+1**DUT: 180920C21**

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

Medium: H34T60N1_1108 Medium parameters used: $f = 5690$ MHz; $\sigma = 5.256$ S/m; $\epsilon_r = 36.547$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.6 °C ; Liquid Temperature : 23.4 °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: 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) = 1.52 W/kg

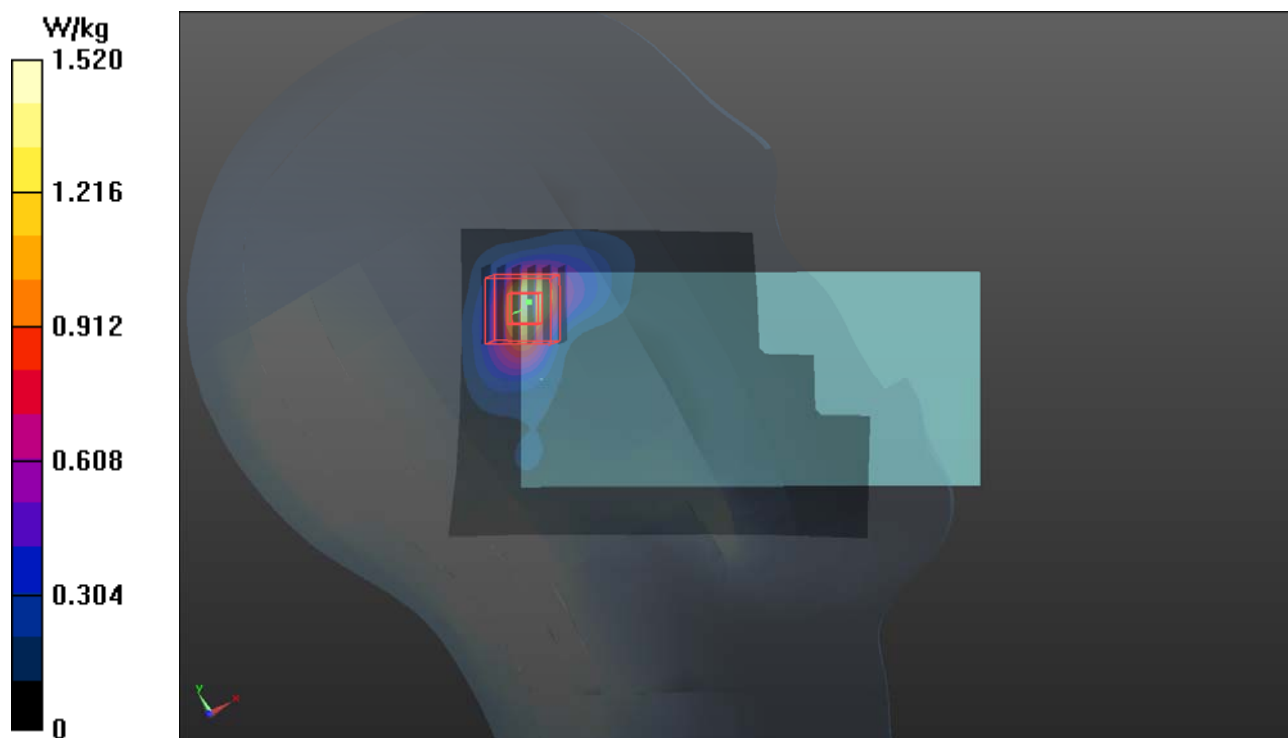
- Zoom Scan (6x6x12)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=2mm

Reference Value = 19.51 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 4.81 W/kg

SAR(1 g) = 1.02 W/kg; SAR(10 g) = 0.289 W/kg

Maximum value of SAR (measured) = 2.62 W/kg



P20 WLAN5.8G_802.11ac VHT80_Left Tilted_Ch155_Sample1_Ant0+1**DUT: 180920C21**

Communication System: WLAN_5G; Frequency: 5775 MHz; Duty Cycle: 1:1.08

Medium: H34T60N1_1108 Medium parameters used: $f = 5775$ MHz; $\sigma = 5.34$ S/m; $\epsilon_r = 36.318$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.6 °C ; Liquid Temperature : 23.4 °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: 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) = 1.90 W/kg

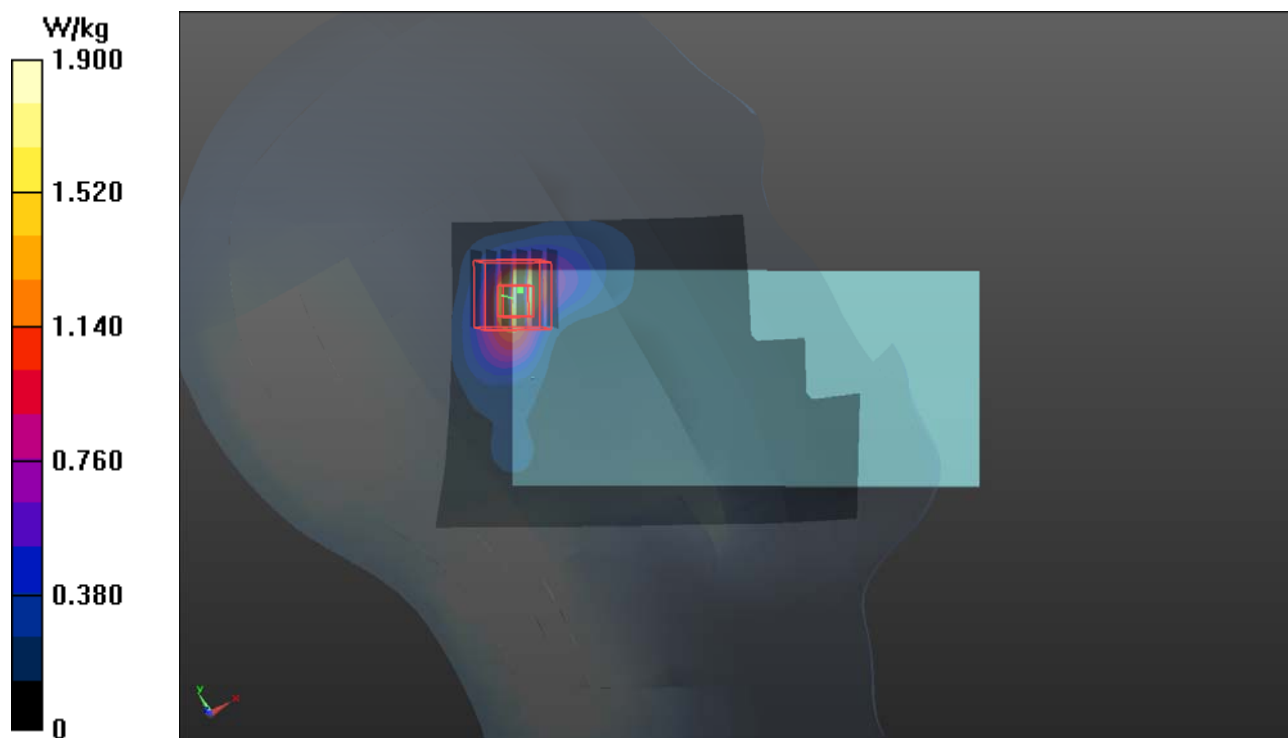
- Zoom Scan (6x6x12)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=2$ mm

Reference Value = 21.71 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 4.87 W/kg

SAR(1 g) = 0.988 W/kg; SAR(10 g) = 0.264 W/kg

Maximum value of SAR (measured) = 2.52 W/kg



P21 BT_BDR_Left Cheek_Ch39_Sample1_Ant0**DUT: 180920C21**

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

Medium: H19T27N1_1013 Medium parameters used: $f = 2441$ MHz; $\sigma = 1.858$ S/m; $\epsilon_r = 38.111$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3898; ConvF(7.59, 7.59, 7.59); Calibrated: 2018/06/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2018/01/18
- Phantom: Twin SAM Phantom_1653; Type: QD000P40;
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

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

Maximum value of SAR (interpolated) = 0.250 W/kg

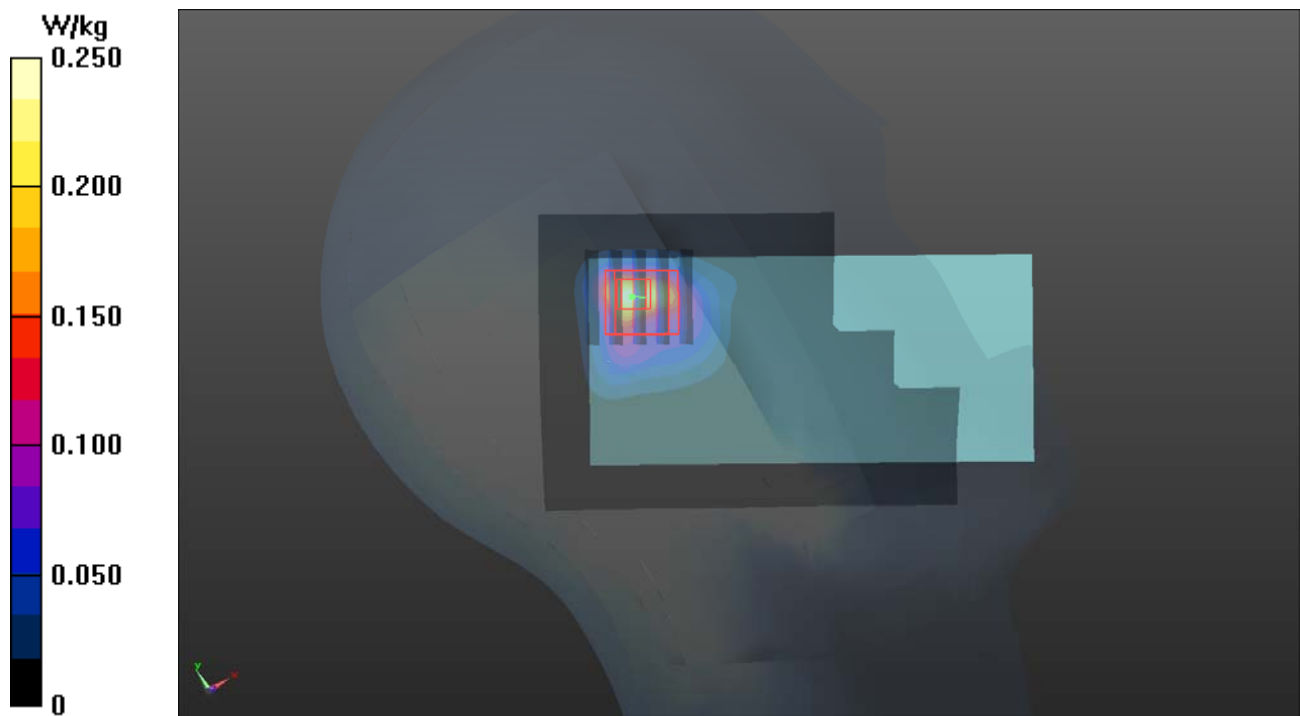
- Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.330 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.268 W/kg

SAR(1 g) = 0.149 W/kg; SAR(10 g) = 0.060 W/kg

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



P22 GSM850_GPRS12_Rear Face_10mm_Ch251_Sample1_Ant0**DUT: 180920C21**

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

Medium: B07T10N1_1120 Medium parameters used: $f = 849$ MHz; $\sigma = 0.995$ S/m; $\epsilon_r = 53.919$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.6 °C ; Liquid Temperature : 23.2 °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 (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

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

Reference Value = 15.45 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.299 W/kg

SAR(1 g) = 0.170 W/kg; SAR(10 g) = 0.101 W/kg

Maximum value of SAR (measured) = 0.251 W/kg

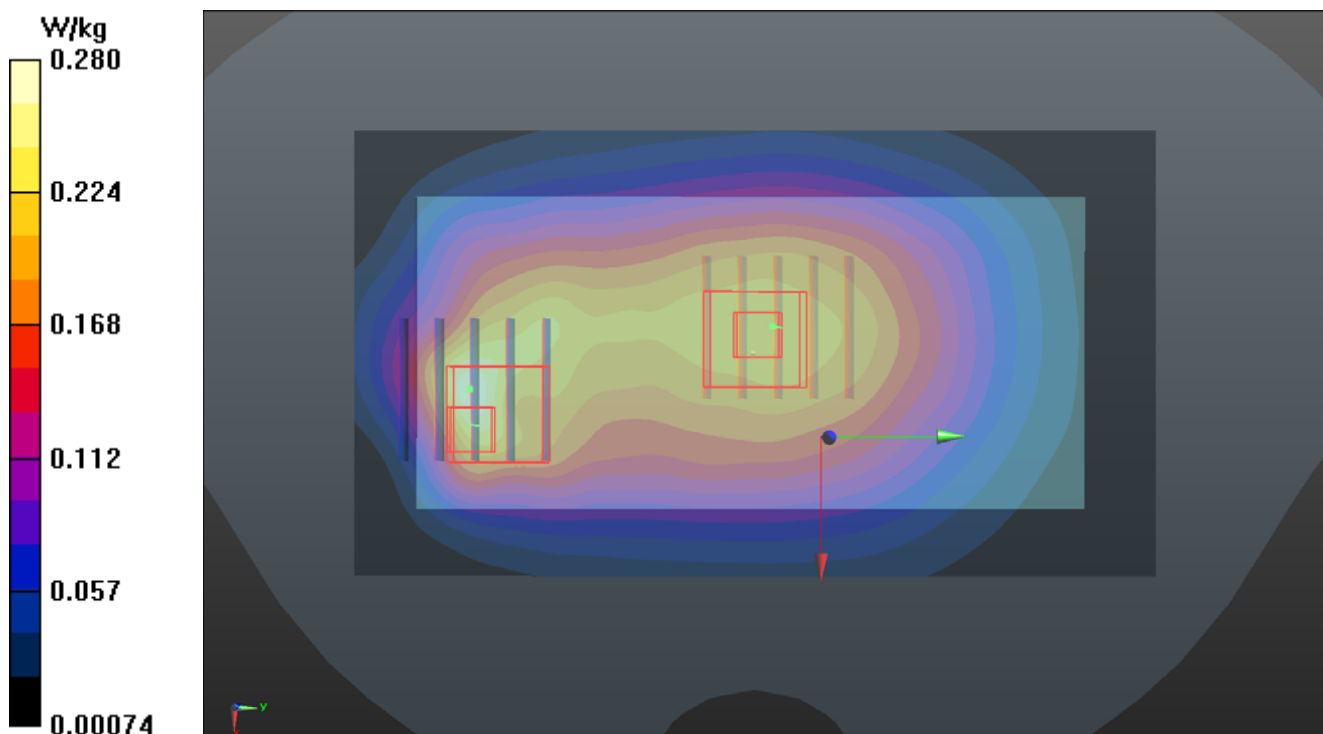
- Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.45 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.233 W/kg

SAR(1 g) = 0.185 W/kg; SAR(10 g) = 0.143 W/kg

Maximum value of SAR (measured) = 0.217 W/kg



P23 GSM1900_GPRS12_Rear Face_10mm_Ch512_Smaple1_Ant0**DUT: 180920C21**

Communication System: GPRS12; Frequency: 1850.2 MHz; Duty Cycle: 1:2

Medium: B16T20N1_1205 Medium parameters used: $f = 1850.2$ MHz; $\sigma = 1.52$ S/m; $\epsilon_r = 51.521$; $\rho = 1000$ 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) = 0.317 W/kg

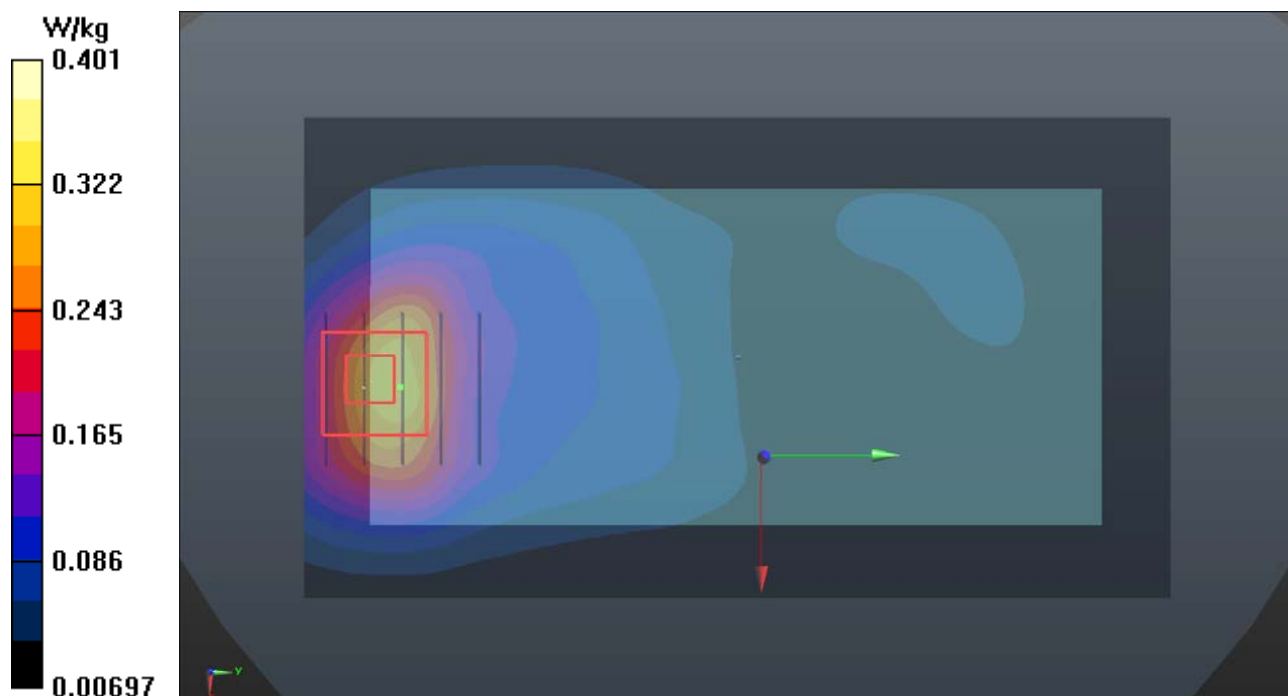
- Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.85 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.483 W/kg

SAR(1 g) = 0.277 W/kg; SAR(10 g) = 0.161 W/kg

Maximum value of SAR (measured) = 0.401 W/kg



P24 WCDMA II_RMC12.2k_Rear Face_10mm_Ch9262_Sample1_Ant1**DUT: 180920C21**

Communication System: WCDMA; Frequency: 1852.4 MHz; Duty Cycle: 1:1

Medium: B16T20N1_1112 Medium parameters used: $f = 1852.4$ MHz; $\sigma = 1.526$ S/m; $\epsilon_r = 52.857$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.7 °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 (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.683 W/kg

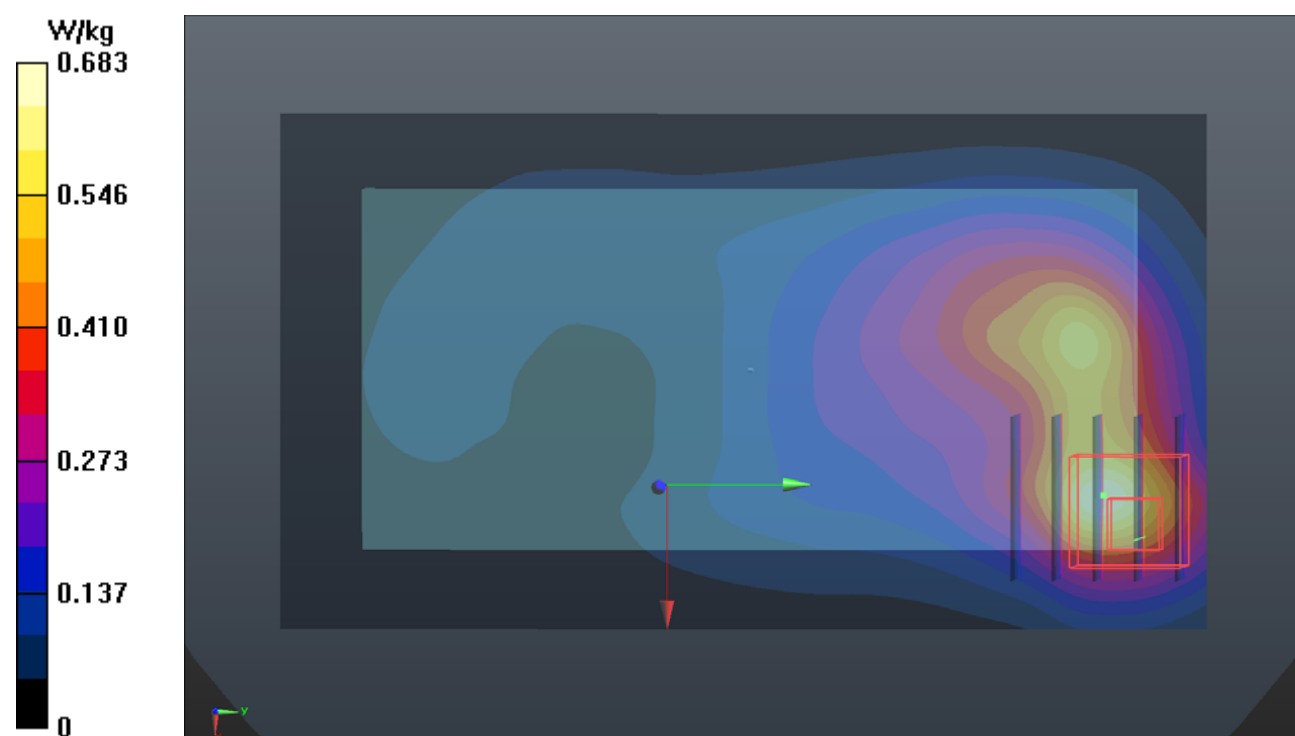
- Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 20.42 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.764 W/kg

SAR(1 g) = 0.429 W/kg; SAR(10 g) = 0.237 W/kg

Maximum value of SAR (measured) = 0.618 W/kg



P25 WCDMA IV_RMC12.2K_Rear Face_10mm_Ch1413_Sample1_Ant0**DUT: 180920C21**

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

Medium: B16T20N1_1120 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 : 23.2 °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 (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

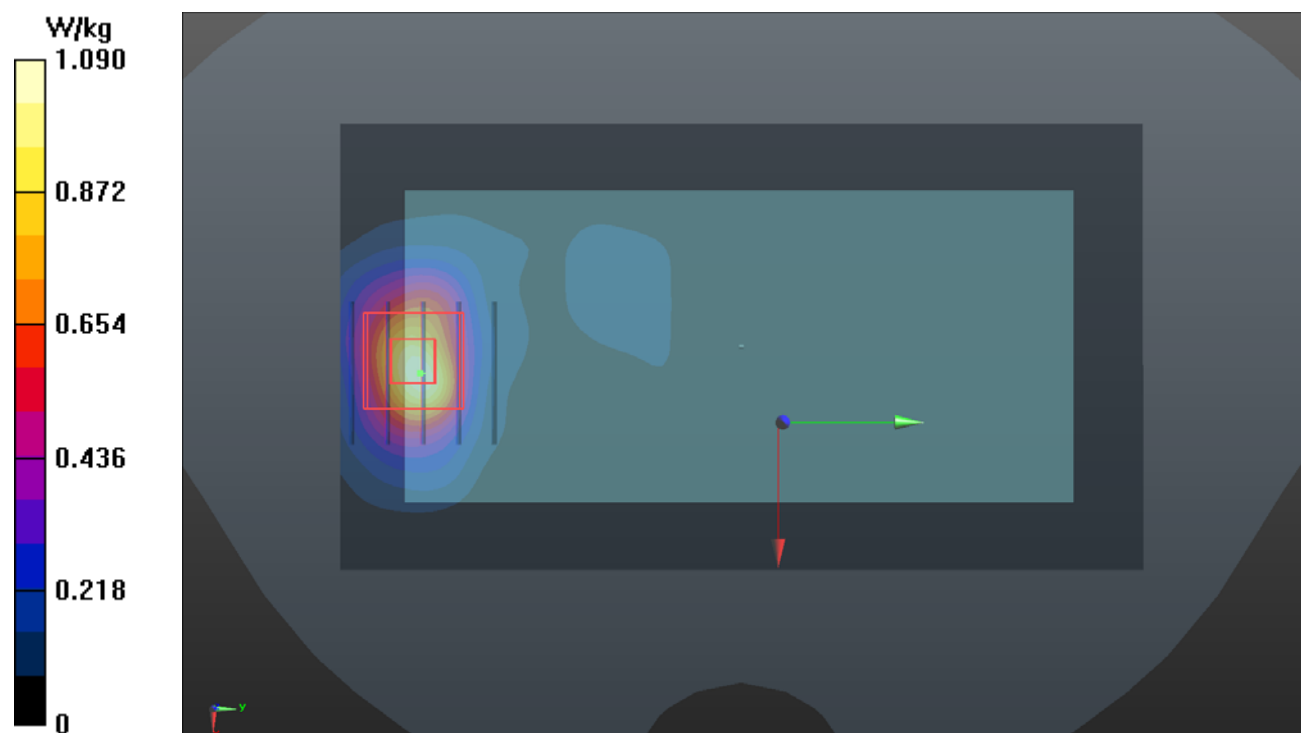
- Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 27.71 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 1.36 W/kg

SAR(1 g) = 0.786 W/kg; SAR(10 g) = 0.415 W/kg

Maximum value of SAR (measured) = 1.14 W/kg



P26 WCDMA V_RMC12.2k_Rear Face_10mm_Ch4182_Sample1_Ant0**DUT: 180920C21**

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

Medium: B07T10N2_1006 Medium parameters used: $f = 836.4$ MHz; $\sigma = 0.986$ S/m; $\epsilon_r = 56.407$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.6 °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_1652; Type: QD000P40;
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

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

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

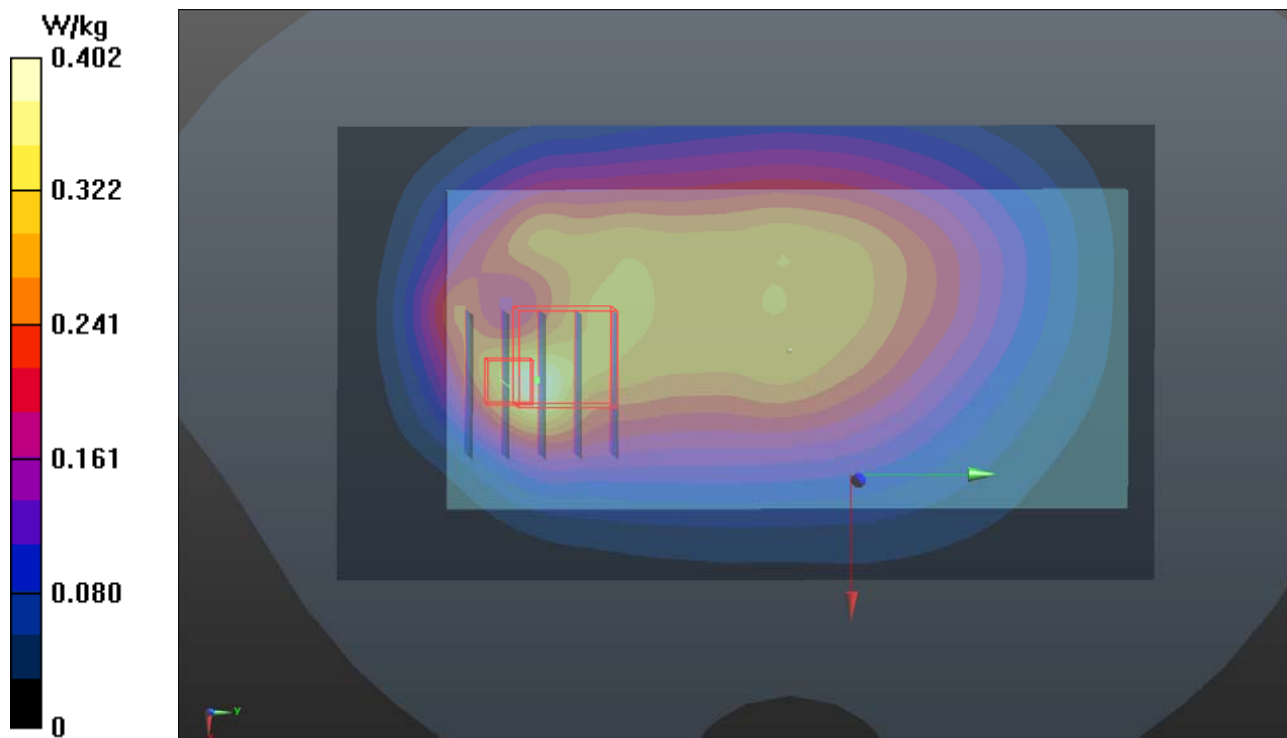
- Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.65 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.467 W/kg

SAR(1 g) = 0.256 W/kg; SAR(10 g) = 0.155 W/kg

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



P27 CDMA BC0_RTAP 153.6_Rear Face_10mm_Ch1013_Sample1_Ant0**DUT: 180920C21**

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

Medium: B07T10N2_1012 Medium parameters used: $f = 825$ MHz; $\sigma = 0.963$ S/m; $\epsilon_r = 56.176$; $\rho = 1000$ 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 (1); SEMCAD X Version 14.6.11 (7439)

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

Maximum value of SAR (interpolated) = 0.486 W/kg

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

Reference Value = 21.49 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.514 W/kg

SAR(1 g) = 0.380 W/kg; SAR(10 g) = 0.285 W/kg

Maximum value of SAR (measured) = 0.466 W/kg

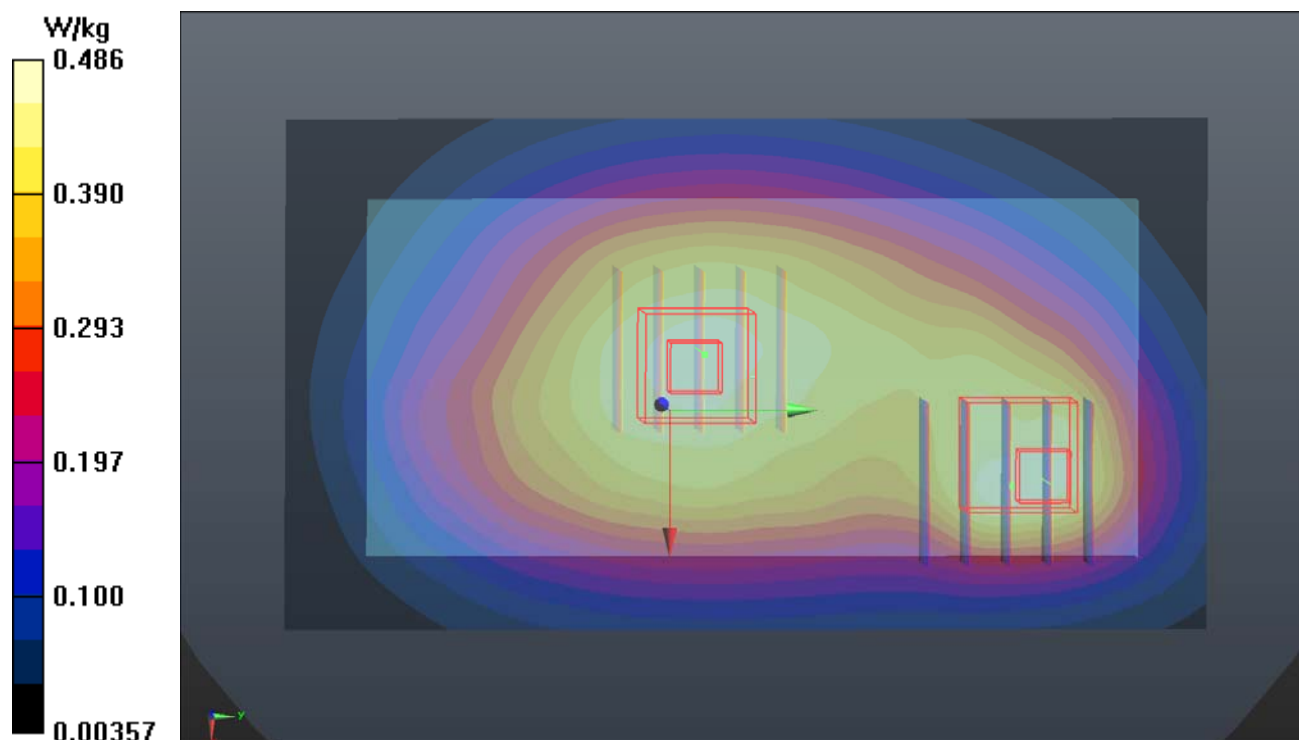
- Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 21.49 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.626 W/kg

SAR(1 g) = 0.361 W/kg; SAR(10 g) = 0.230 W/kg

Maximum value of SAR (measured) = 0.520 W/kg



P28 CDMA BC1_RTAP 153.6_Rear Face_10mm_Ch25_Sample1_Ant1**DUT: 180920C21**

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

Medium: B16T20N1_1112 Medium parameters used: $f = 1852$ MHz; $\sigma = 1.525$ S/m; $\epsilon_r = 52.859$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.7 °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 (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

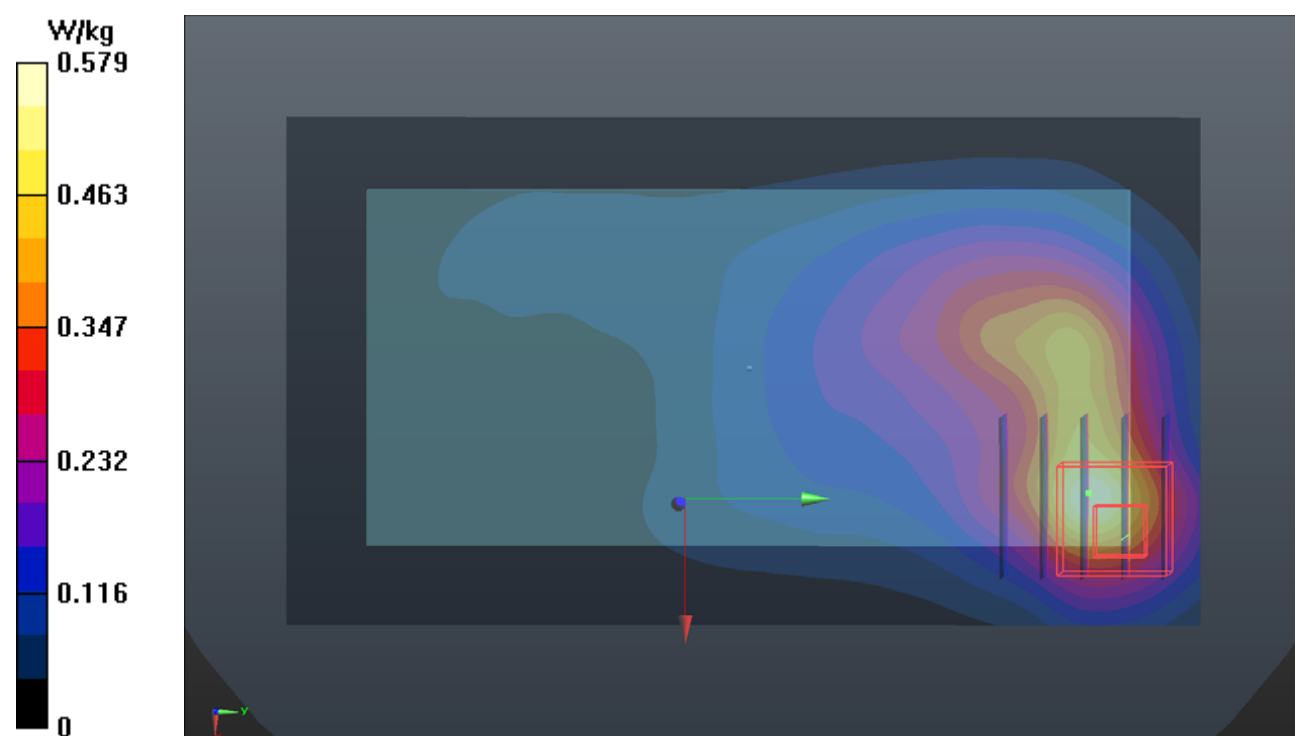
- Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 19.02 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 0.660 W/kg

SAR(1 g) = 0.376 W/kg; SAR(10 g) = 0.207 W/kg

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



P29 CDMA BC10_RTAP 153.6_Rear Face_10mm_Ch684_Sample1_Ant1**DUT: 180920C21**

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

Medium: B07T10N2_1012 Medium parameters used: $f = 823.1$ MHz; $\sigma = 0.961$ S/m; $\epsilon_r = 56.203$; $\rho = 1000$ 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 (1); SEMCAD X Version 14.6.11 (7439)

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

Maximum value of SAR (interpolated) = 0.474 W/kg

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

Reference Value = 21.06 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.499 W/kg

SAR(1 g) = 0.366 W/kg; SAR(10 g) = 0.275 W/kg

Maximum value of SAR (measured) = 0.450 W/kg

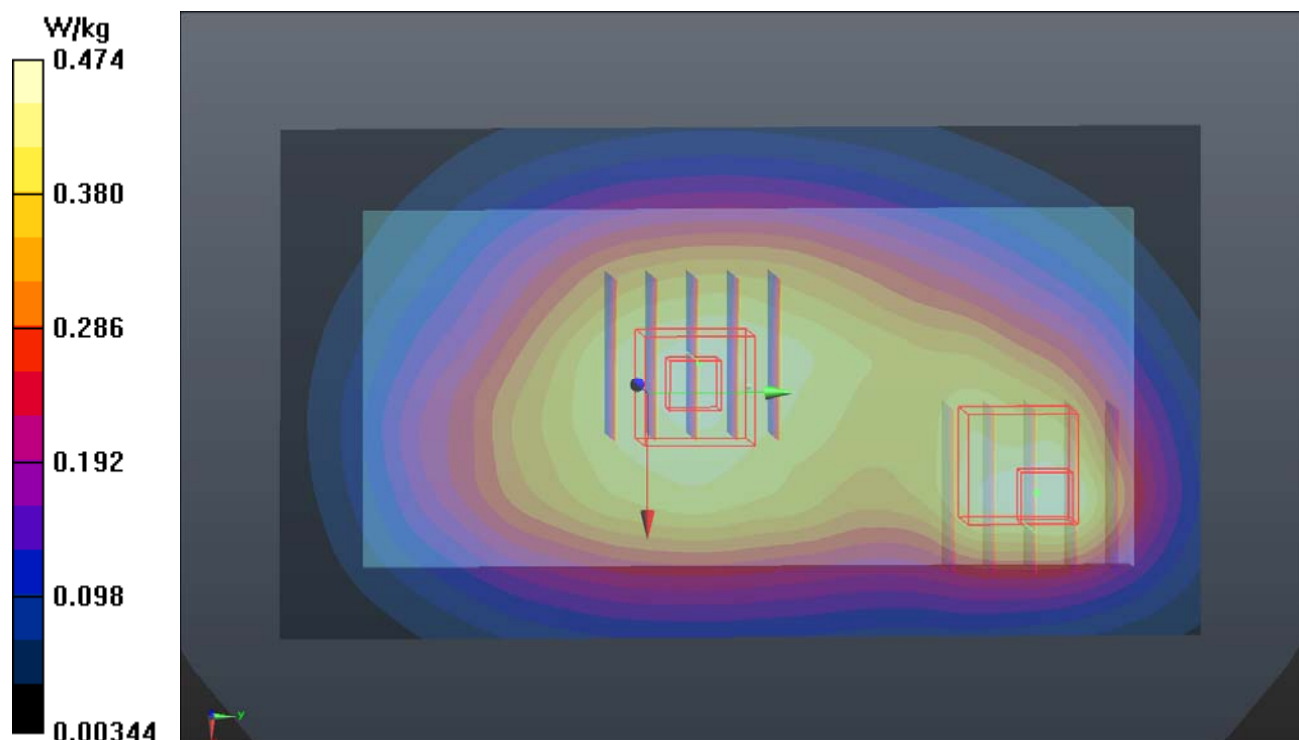
- Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 21.06 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.599 W/kg

SAR(1 g) = 0.346 W/kg; SAR(10 g) = 0.221 W/kg

Maximum value of SAR (measured) = 0.473 W/kg



P30 LTE 7_QPSK20M_Rear Face_10mm_Ch21350_1RB_OS0_Sample1_Ant3**DUT: 180920C21**

Communication System: LTE; Frequency: 2560 MHz; Duty Cycle: 1:1

Medium: B19T27N1_1112 Medium parameters used: $f = 2560$ MHz; $\sigma = 2.17$ S/m; $\epsilon_r = 51.599$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.7 °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) = 1.08 W/kg

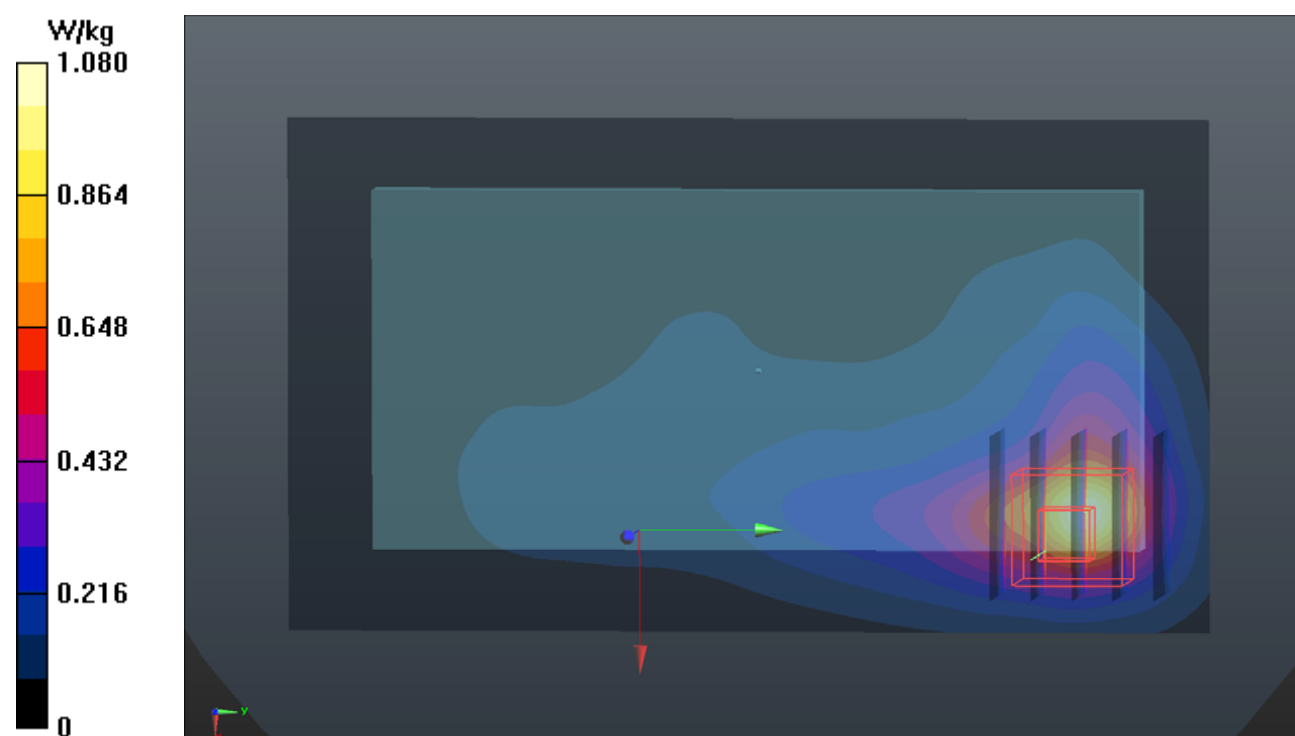
- Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 20.98 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 1.44 W/kg

SAR(1 g) = 0.699 W/kg; SAR(10 g) = 0.333 W/kg

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



P31 LTE 12_QPSK10M_Rear Face_10mm_Ch23095_1RB_OS0_Sample1_Ant0**DUT: 180920C21**

Communication System: LTE; Frequency: 707.5 MHz; Duty Cycle: 1:1

Medium: B06T09N1_1012 Medium parameters used: $f = 707.5$ MHz; $\sigma = 0.925$ S/m; $\epsilon_r = 56.107$; $\rho = 1000$ kg/m³

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 (1); SEMCAD X Version 14.6.11 (7439)

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

Maximum value of SAR (interpolated) = 0.493 W/kg

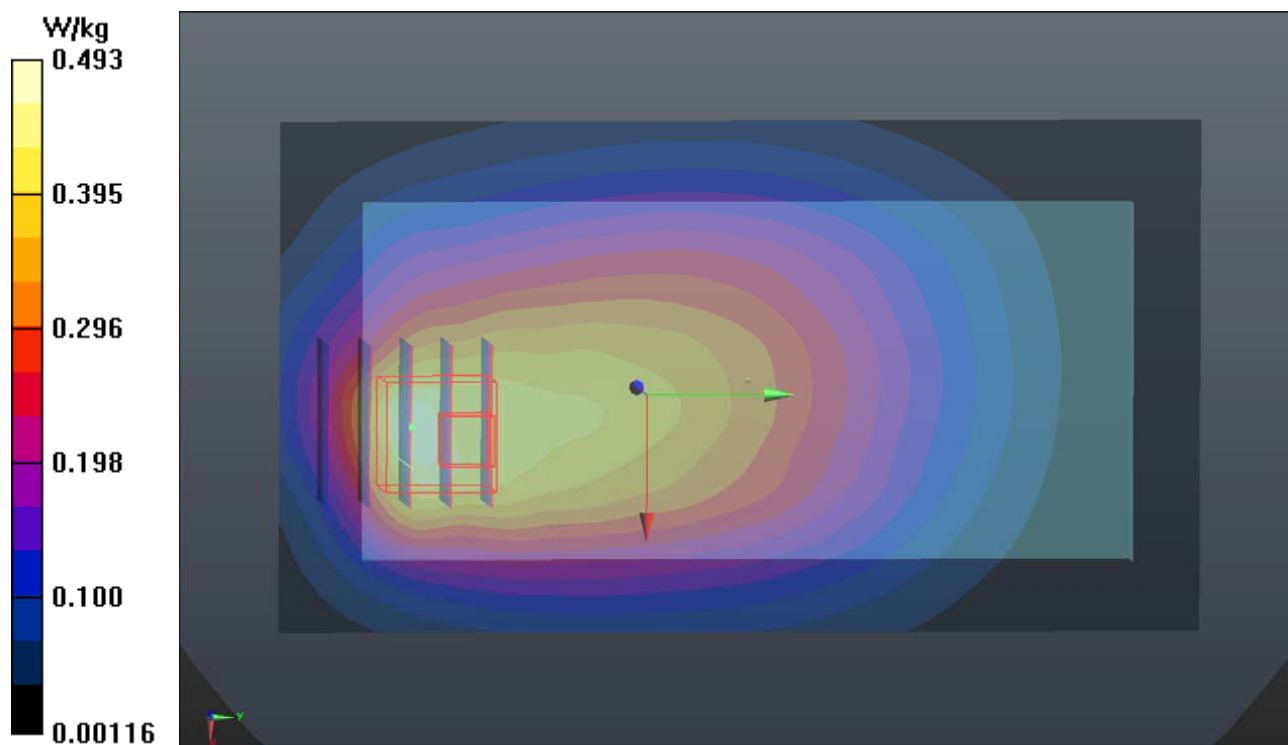
- Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 20.50 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.553 W/kg

SAR(1 g) = 0.315 W/kg; SAR(10 g) = 0.204 W/kg

Maximum value of SAR (measured) = 0.429 W/kg



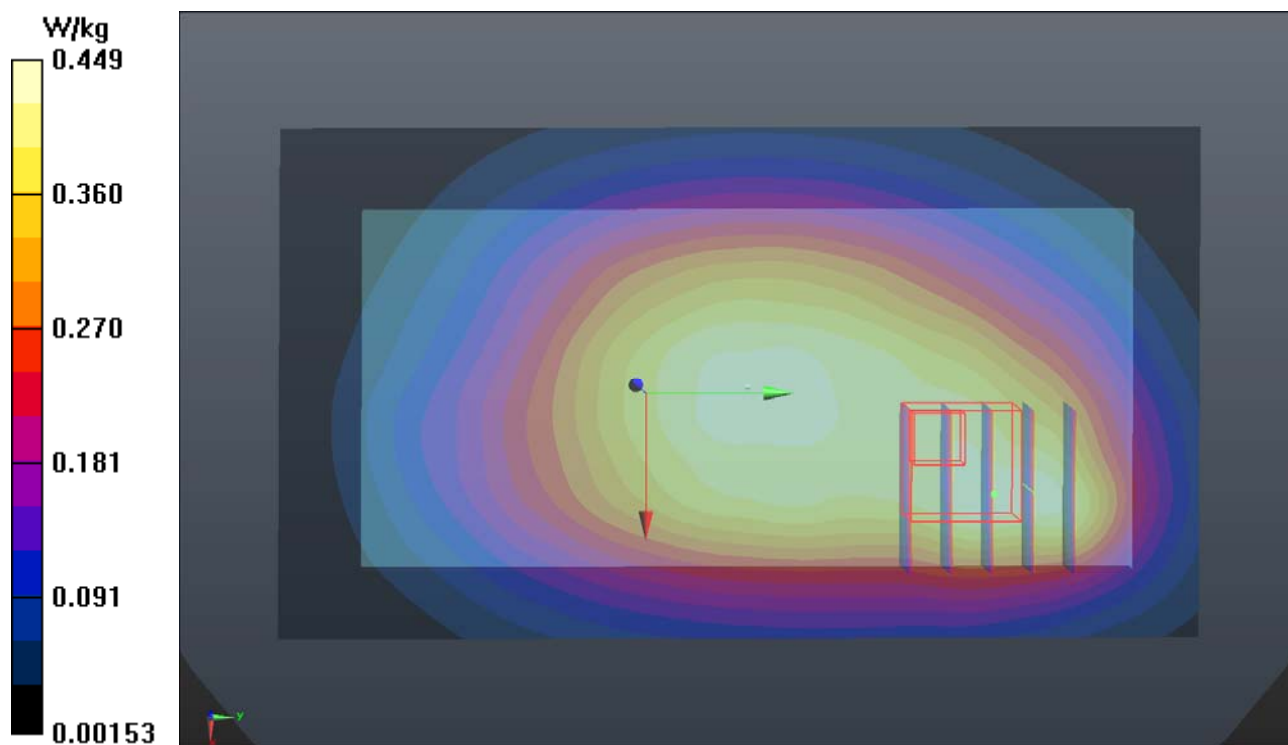
P32 LTE 13_QPSK10M_Rear Face_10mm_Ch23230_1RB_OS0_Sample1_Ant1**DUT: 180920C21**

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

Medium: B06T09N1_1012 Medium parameters used: $f = 782 \text{ MHz}$; $\sigma = 0.99 \text{ S/m}$; $\epsilon_r = 55.457$; $\rho = 1000 \text{ kg/m}^3$ 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 (1); SEMCAD X Version 14.6.11 (7439)

- Area Scan (71x121x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 0.449 W/kg **- Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 20.43 V/m ; Power Drift = -0.01 dB Peak SAR (extrapolated) = 0.525 W/kg **SAR(1 g) = 0.322 W/kg ; SAR(10 g) = 0.223 W/kg** Maximum value of SAR (measured) = 0.420 W/kg 

P33 LTE 25_QPSK20M_Rear Face_10mm_Ch26140_1RB_OS0_Smapple1_Ant0**DUT: 180920C21**

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) = 0.551 W/kg

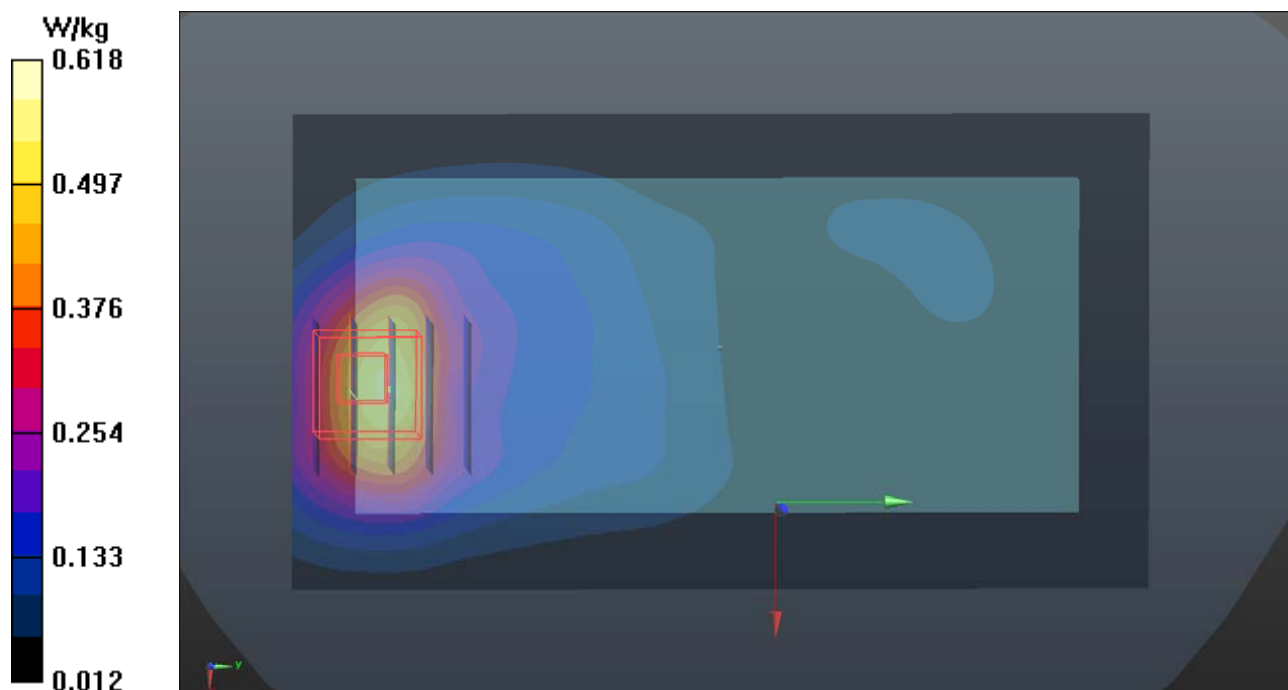
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 19.52 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.770 W/kg

SAR(1 g) = 0.458 W/kg; SAR(10 g) = 0.258 W/kg

Maximum value of SAR (measured) = 0.618 W/kg



P34 LTE 26_QPSK15M_Rear Face_10mm_Ch26965_1RB_OS0_Sample1_Ant0**DUT: 180920C21**

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

Medium: B07T10N1_1120 Medium parameters used : $f = 841.5$ MHz; $\sigma = 0.987$ S/m; $\epsilon_r = 54.002$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.6 °C ; Liquid Temperature : 23.2 °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 (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.267 W/kg

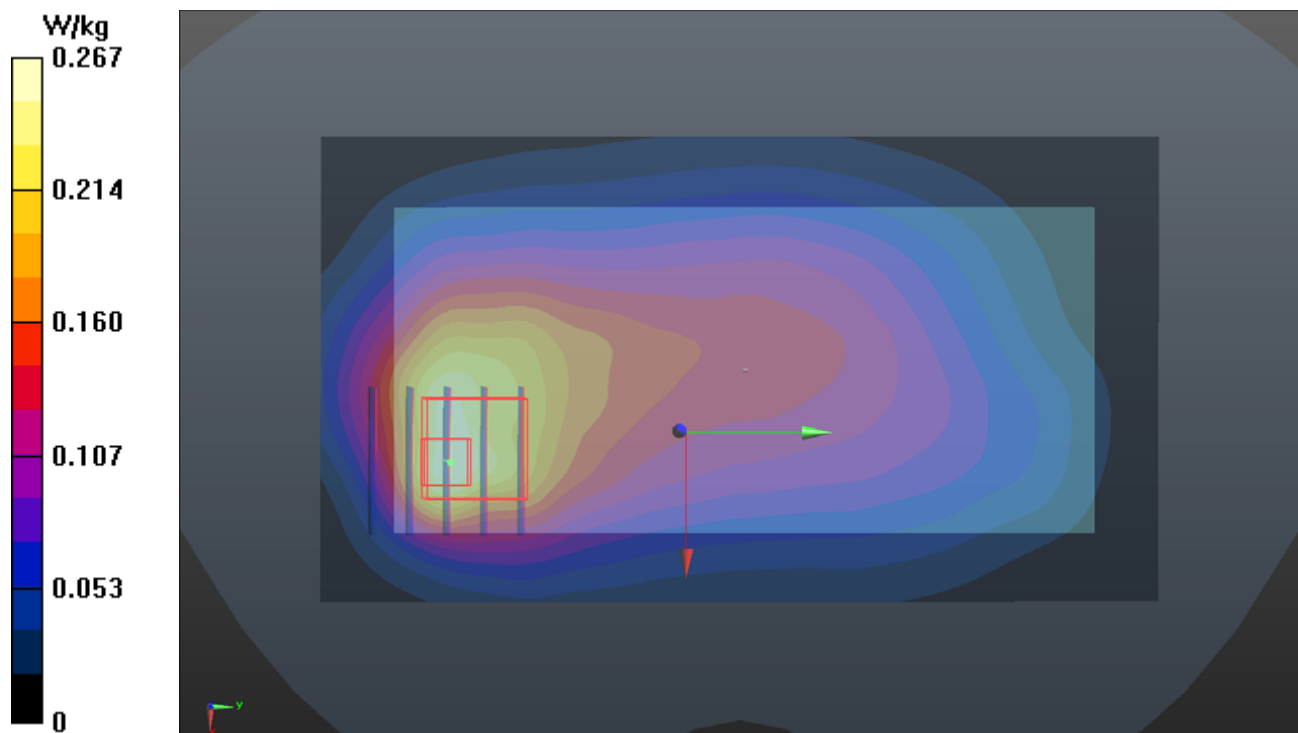
- Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.51 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.306 W/kg

SAR(1 g) = 0.182 W/kg; SAR(10 g) = 0.115 W/kg

Maximum value of SAR (measured) = 0.254 W/kg



P35 LTE 38_QPSK20M_Rear Face_10mm_Ch38150_1RB_OS0_Sample1_Ant2**DUT: 180920C21**

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

Medium: B19T27N1_1012 Medium parameters used: $f = 2610$ MHz; $\sigma = 2.23$ S/m; $\epsilon_r = 50.071$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.6 °C ; Liquid Temperature : 23.3 °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 (1); SEMCAD X Version 14.6.11 (7439)

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

Maximum value of SAR (interpolated) = 0.928 W/kg

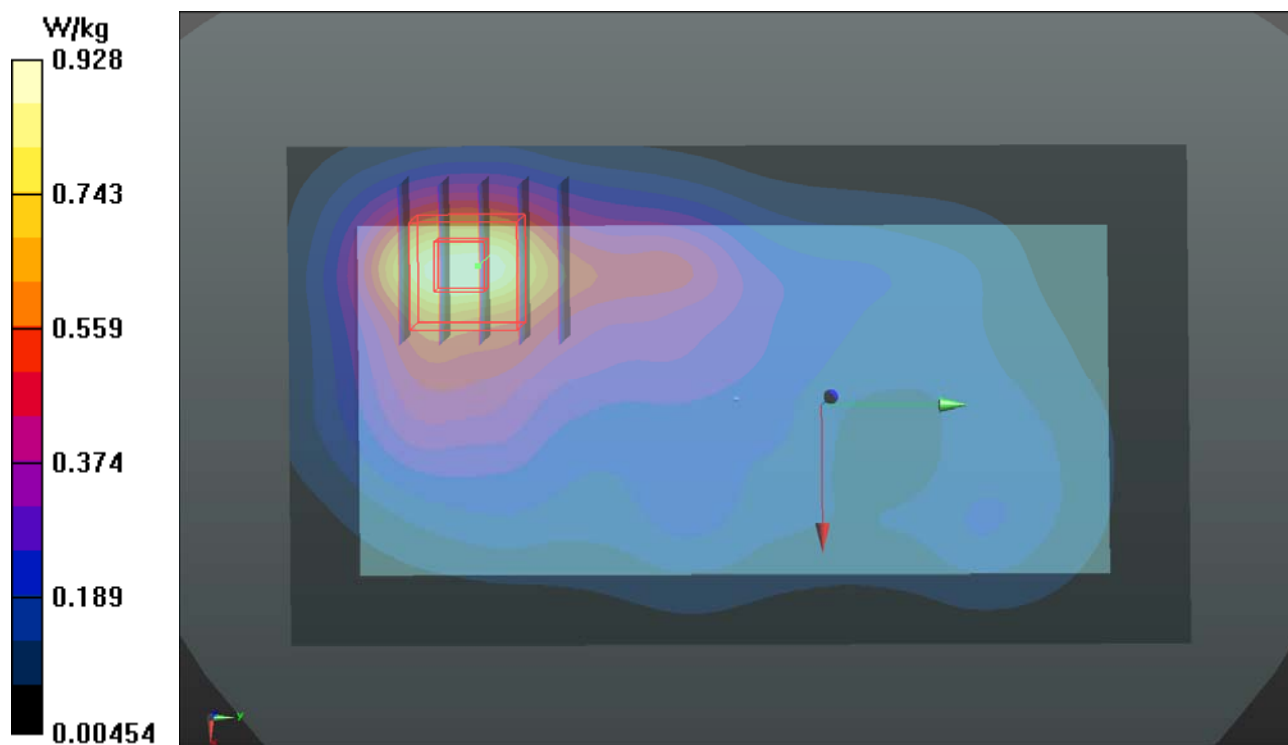
- Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.23 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 1.22 W/kg

SAR(1 g) = 0.582 W/kg; SAR(10 g) = 0.295 W/kg

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



P36 LTE 41_QPSK20M_Rear Face_10mm_Ch41055_1RB_OS99_Sample1_Ant3**DUT: 180920C21**

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

Medium: B19T27N1_1012 Medium parameters used: $f = 2636.5$ MHz; $\sigma = 2.26$ S/m; $\epsilon_r = 49.963$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.6 °C ; Liquid Temperature : 23.3 °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 (91x151x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.699 W/kg

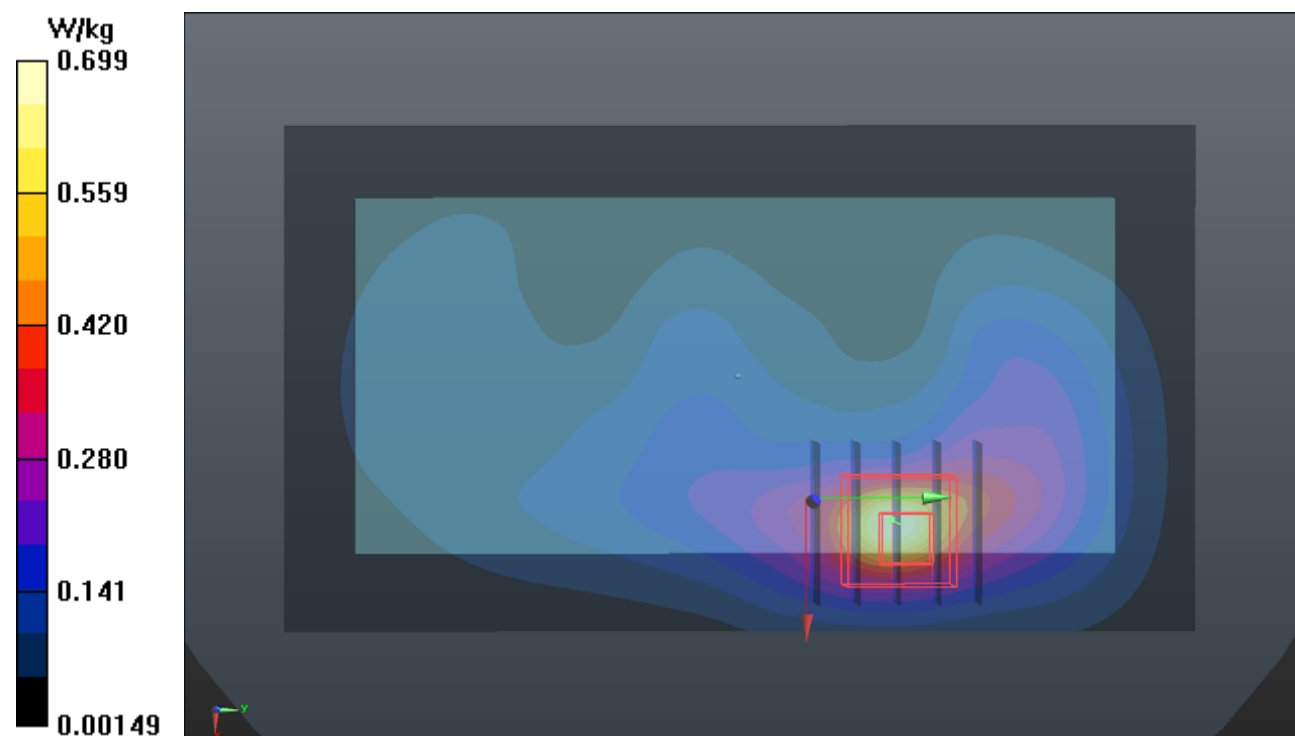
- Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.64 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 0.970 W/kg

SAR(1 g) = 0.331 W/kg; SAR(10 g) = 0.121 W/kg

Maximum value of SAR (measured) = 0.660 W/kg



P37 LTE 66_QPSK20M_Rear Face_10mm_Ch132572_1RB_OS50_Sample1_Ant0**DUT: 180920C21**

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

Medium: B16T20N1_1120 Medium parameters used: $f = 1770$ MHz; $\sigma = 1.457$ S/m; $\epsilon_r = 52.557$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.6 °C ; Liquid Temperature : 23.2 °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 (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

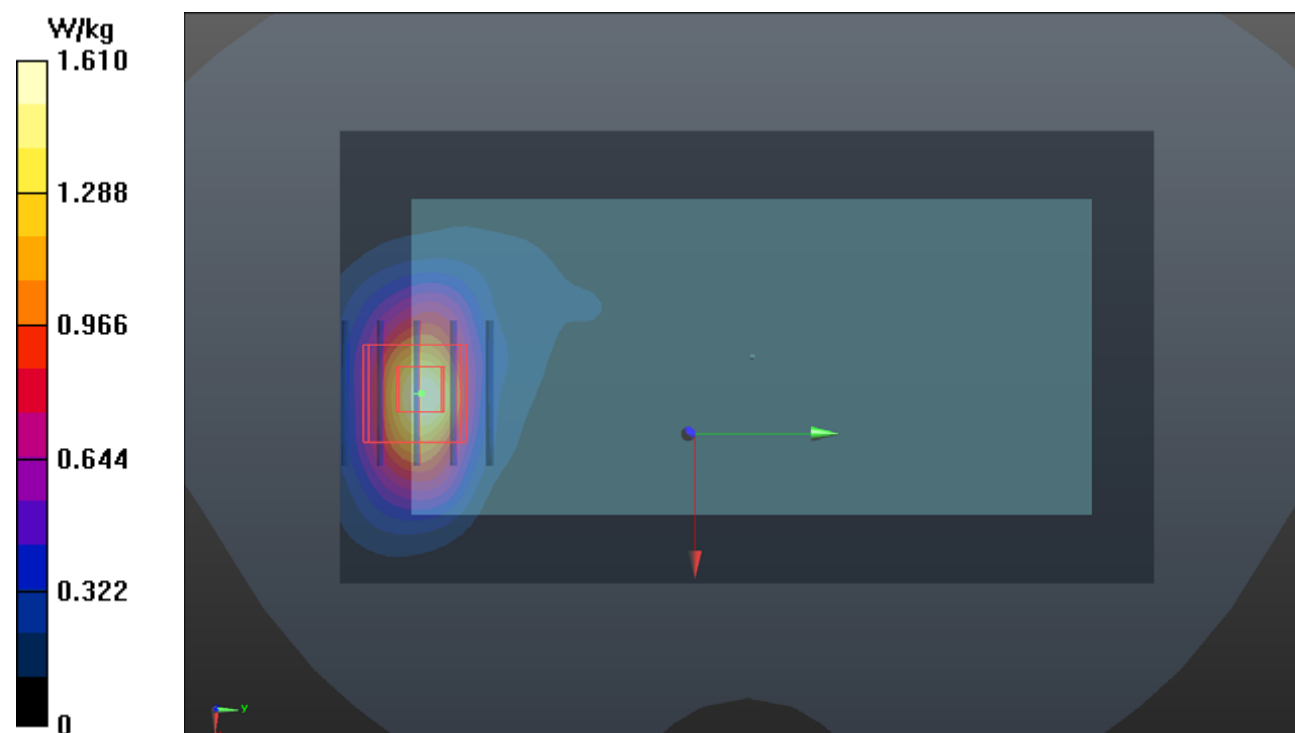
- Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 34.16 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 1.86 W/kg

SAR(1 g) = 0.971 W/kg; SAR(10 g) = 0.584 W/kg

Maximum value of SAR (measured) = 1.64 W/kg



P38 WLAN2.4G_802.11b_Rear Face_10mm_Ch6_Sample1_Ant0+1**DUT: 180920C21**

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

Medium: B19T27N1_1104 Medium parameters used: $f = 2437$ MHz; $\sigma = 1.982$ S/m; $\epsilon_r = 51.411$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.9 °C ; Liquid Temperature : 23.4 °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) = 0.426 W/kg

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

Reference Value = 13.48 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 0.629 W/kg

SAR(1 g) = 0.291 W/kg; SAR(10 g) = 0.151 W/kg

Maximum value of SAR (measured) = 0.485 W/kg

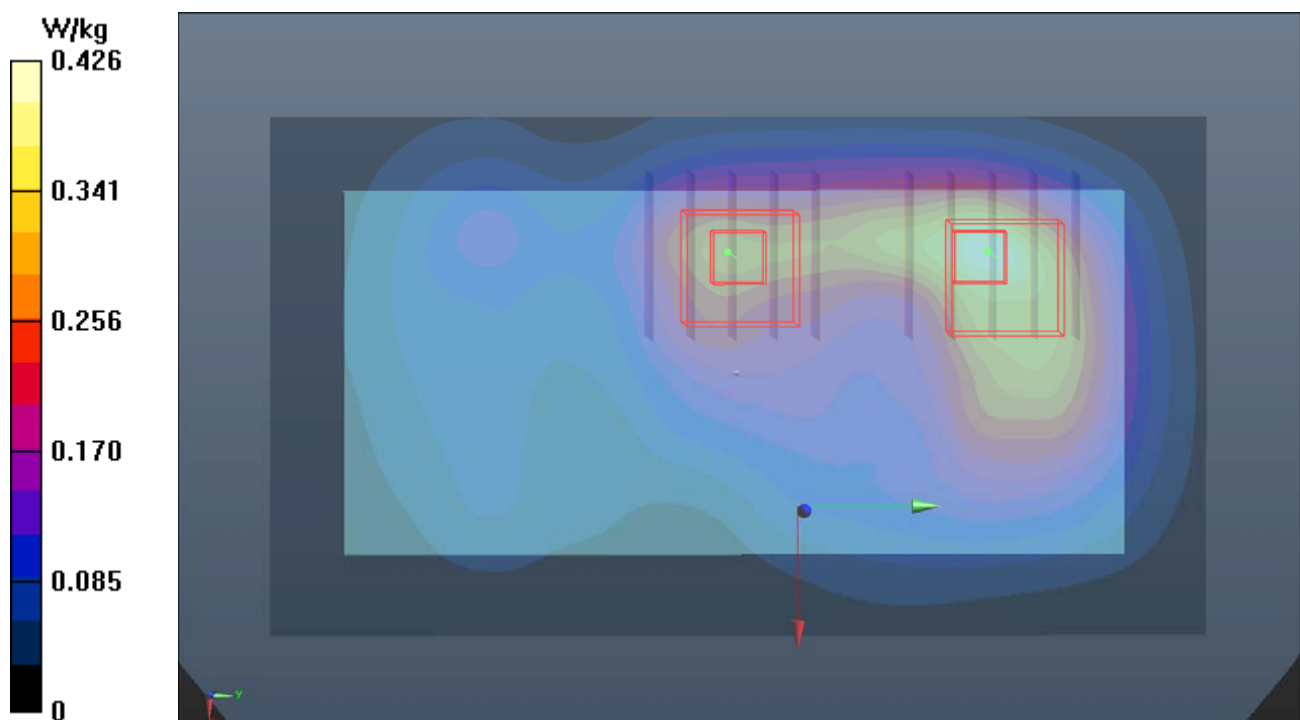
- Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.48 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 0.365 W/kg

SAR(1 g) = 0.200 W/kg; SAR(10 g) = 0.115 W/kg

Maximum value of SAR (measured) = 0.298 W/kg



P40 WLAN5.3G_802.11ac VHT80_Rear Face_10mm_Ch58_Sample1_Ant1**DUT: 180920C21**

Communication System: WLAN_5G; Frequency: 5290 MHz; Duty Cycle: 1:1.08

Medium: B34T60N1_1104 Medium parameters used: $f = 5290$ MHz; $\sigma = 5.569$ S/m; $\epsilon_r = 47.539$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.9 °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 (101x181x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

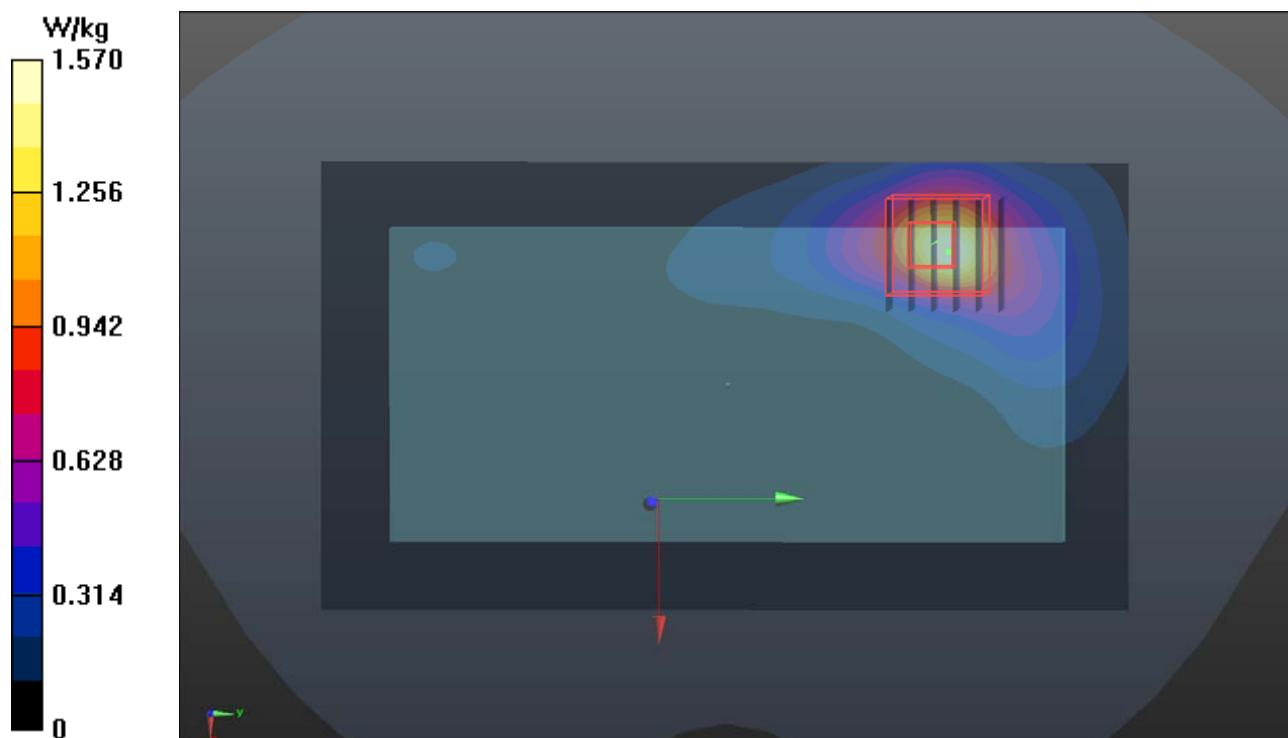
- Zoom Scan (6x6x12)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=2mm

Reference Value = 19.30 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 2.69 W/kg

SAR(1 g) = 0.725 W/kg; SAR(10 g) = 0.282 W/kg

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



P41 WLAN5.6G_802.11ac VHT80_Rear Face_10mm_Ch138_Sample1_Ant1**DUT: 180920C21**

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

Medium: B34T60N1_1104 Medium parameters used: $f = 5690$ MHz; $\sigma = 6.11$ S/m; $\epsilon_r = 46.937$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.9 °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 (101x181x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

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

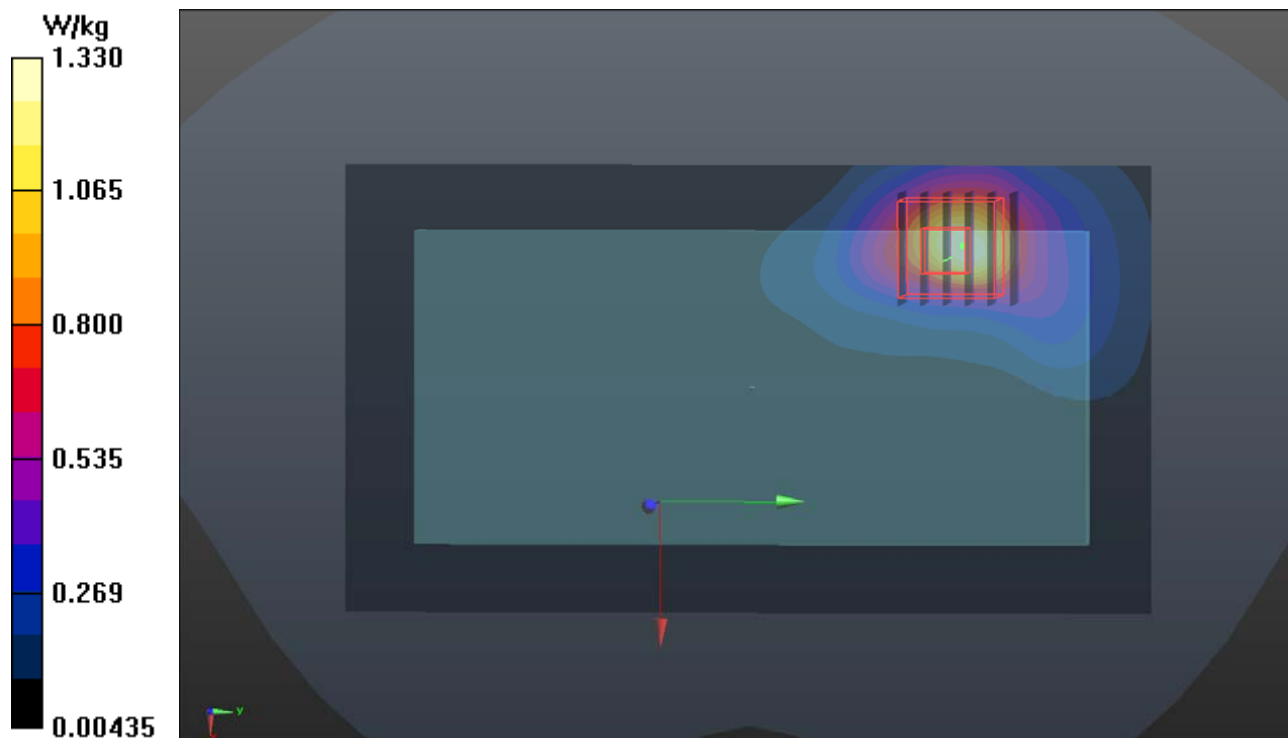
- Zoom Scan (6x6x12)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=2$ mm

Reference Value = 16.77 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 2.70 W/kg

SAR(1 g) = 0.623 W/kg; SAR(10 g) = 0.235 W/kg

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



P42 WLAN5.8G_802.11ac VHT80_Rear Face_10mm_Ch155_Sample1_Ant1**DUT: 180920C21**

Communication System: WLAN_5G; Frequency: 5775 MHz; Duty Cycle: 1:1.08

Medium: B34T60N1_1104 Medium parameters used: $f = 5775$ MHz; $\sigma = 6.232$ S/m; $\epsilon_r = 46.747$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.9 °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 (101x181x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

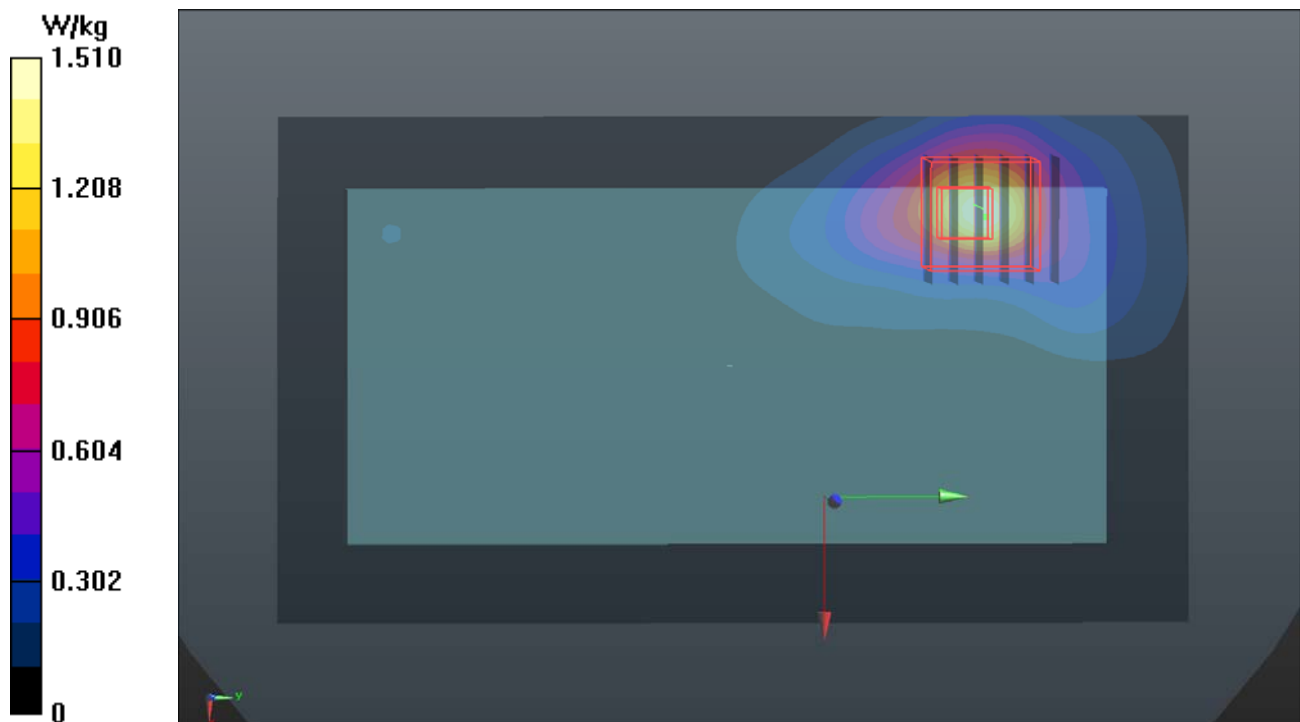
- Zoom Scan (6x6x12)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=2mm

Reference Value = 17.83 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 3.15 W/kg

SAR(1 g) = 0.701 W/kg; SAR(10 g) = 0.248 W/kg

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



P43 BT_BDR_Rear Face_10mm_Ch39_Sample1_Ant0**DUT: 180920C21**

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

Medium: B19T27N1_1013 Medium parameters used: $f = 2441$ MHz; $\sigma = 2.023$ S/m; $\epsilon_r = 51.165$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.7 °C ; Liquid Temperature : 23.2 °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 (1); SEMCAD X Version 14.6.11 (7439)

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

Maximum value of SAR (interpolated) = 0.172 W/kg

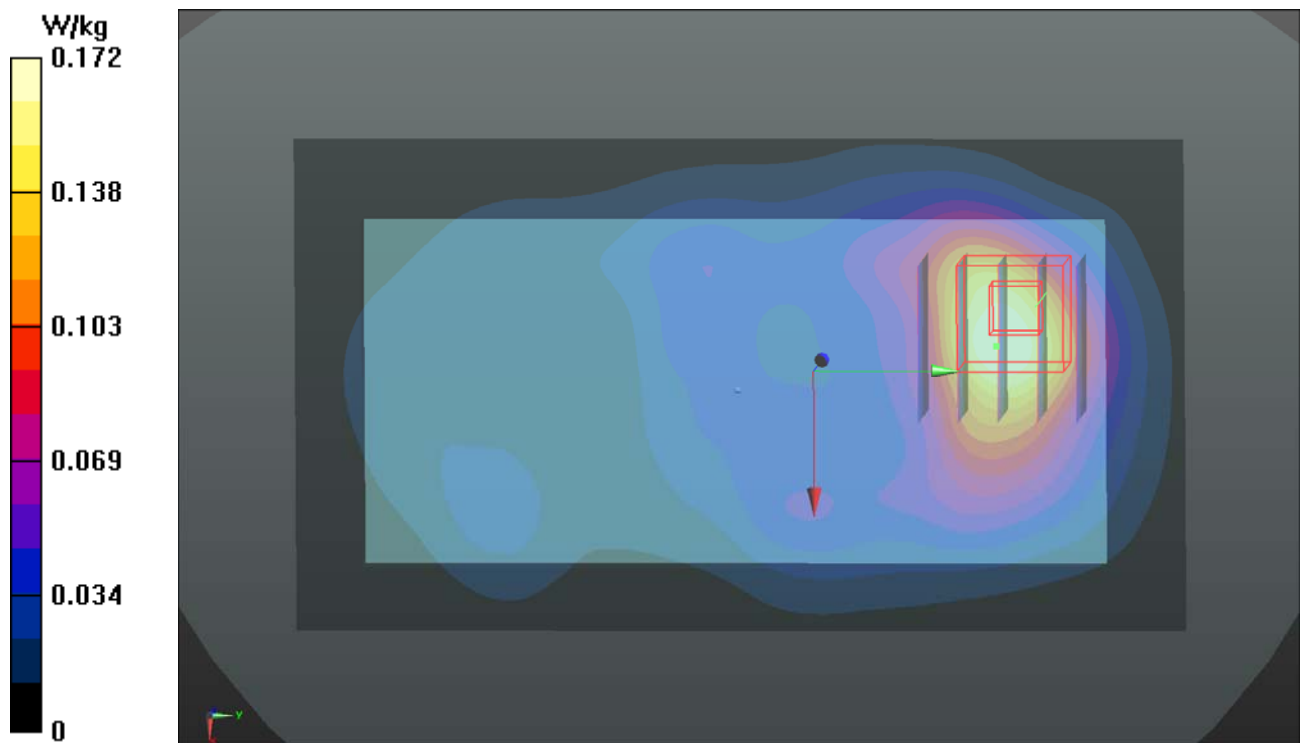
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.847 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 0.265 W/kg

SAR(1 g) = 0.162 W/kg; SAR(10 g) = 0.076 W/kg

Maximum value of SAR (measured) = 0.199 W/kg



P44 GSM1900_GPRS12_Bottom Side_10mm_Ch512_Sample1_Ant0**DUT: 180920C21**

Communication System: GPRS12 ; Frequency: 1850.2 MHz; Duty Cycle: 1:2

Medium: B16T20N1_1120 Medium parameters used: $f = 1850.2$ MHz; $\sigma = 1.534$ S/m; $\epsilon_r = 52.298$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.6 °C ; Liquid Temperature : 23.2 °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 (61x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.547 W/kg

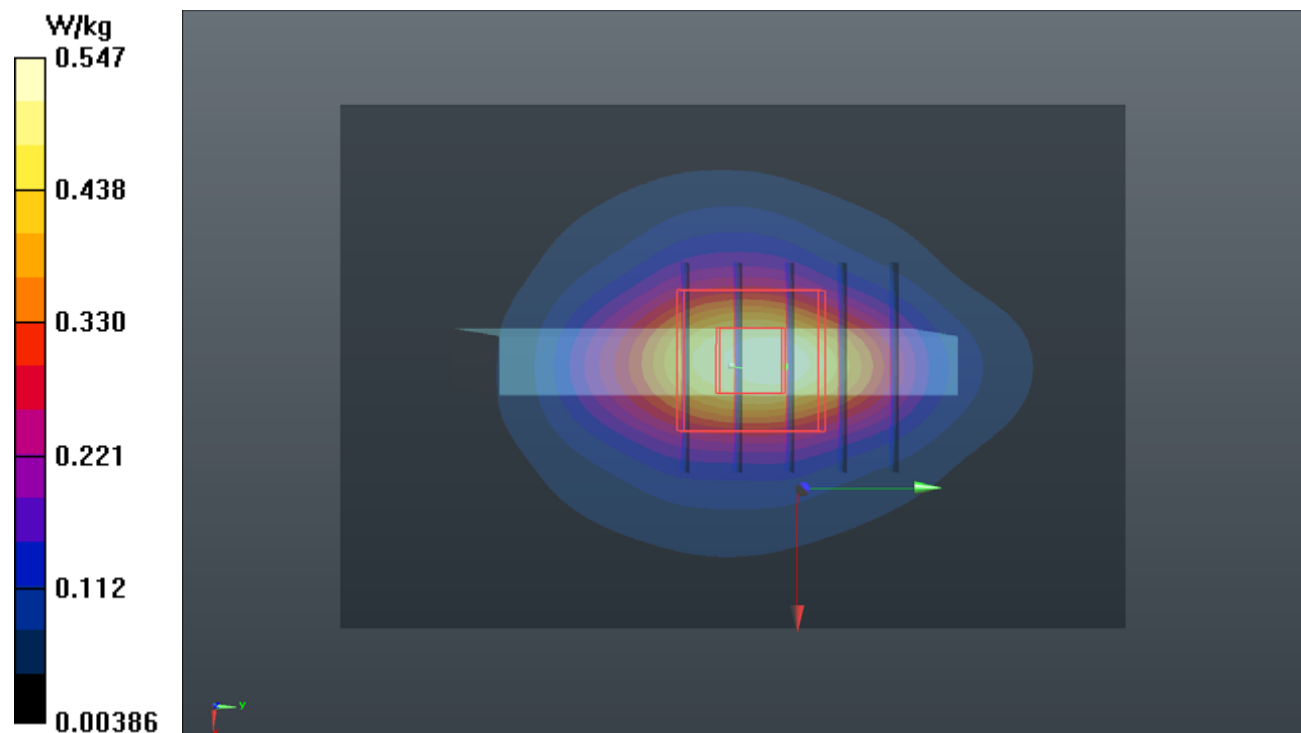
- Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 19.14 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.598 W/kg

SAR(1 g) = 0.366 W/kg; SAR(10 g) = 0.207 W/kg

Maximum value of SAR (measured) = 0.515 W/kg



P45 WCDMA II_RMC12.2K_Bottom Side_10mm_Ch9262_Sample1_Ant0**DUT: 180920C21**

Communication System: WCDMA; Frequency: 1852.4 MHz; Duty Cycle: 1:1

Medium: B19T27N1_1110 Medium parameters used: $f = 1852.4$ MHz; $\sigma = 1.391$ S/m; $\epsilon_r = 53.311$; ρ

$= 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(7.89, 7.89, 7.89); 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 (41x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.788 W/kg

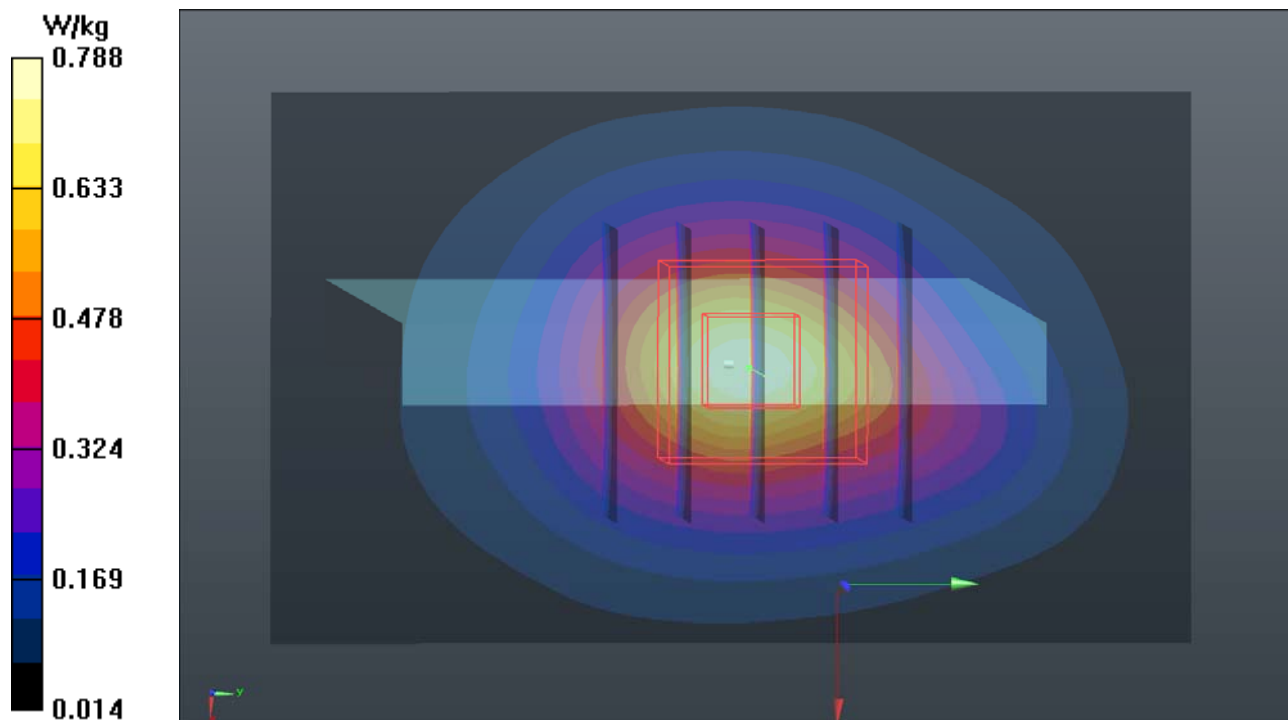
- Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.55 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 0.935 W/kg

SAR(1 g) = 0.533 W/kg; SAR(10 g) = 0.294 W/kg

Maximum value of SAR (measured) = 0.789 W/kg



P46 CDMA BC1_RTAP 153.6_Bottom Side_10mm_Ch25_Sample1_Ant0**DUT: 180920C21**

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

Medium: B19T27N1_1110 Medium parameters used: $f = 1851.25$ MHz; $\sigma = 1.39$ S/m; $\epsilon_r = 53.315$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(7.89, 7.89, 7.89); 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 (41x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.764 W/kg

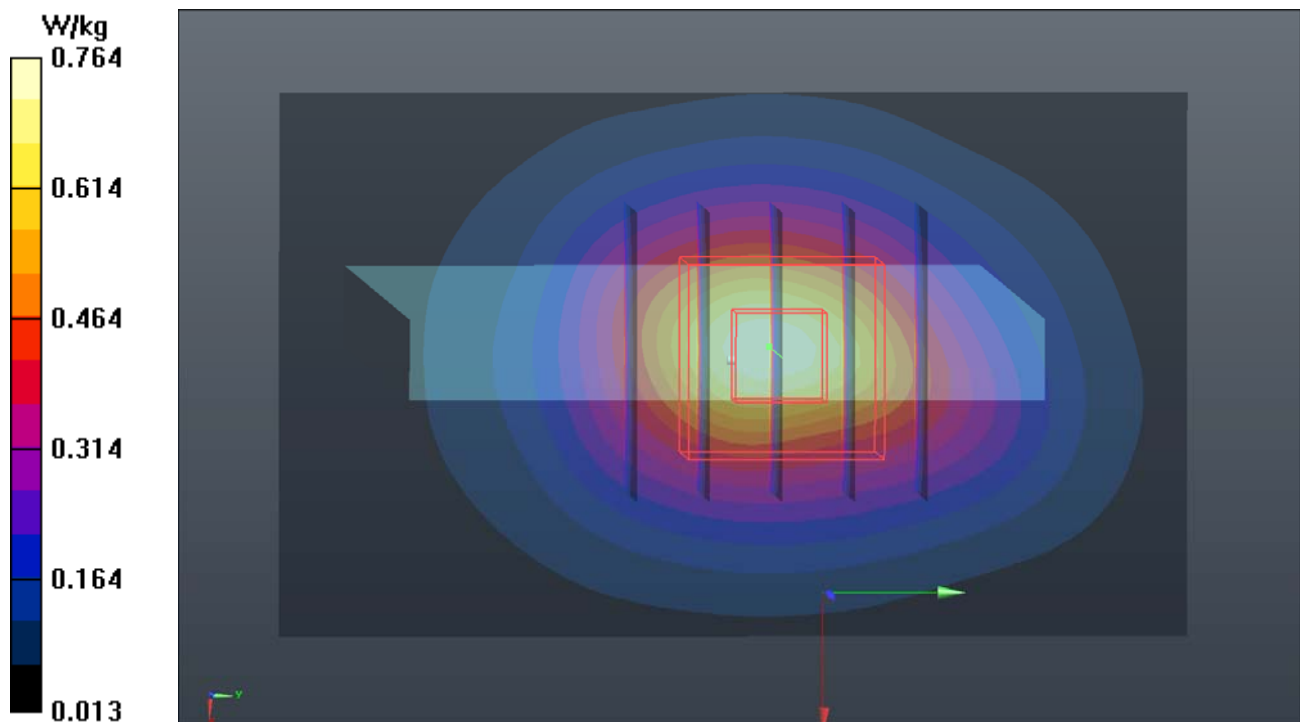
- Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.50 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 0.943 W/kg

SAR(1 g) = 0.540 W/kg; SAR(10 g) = 0.297 W/kg

Maximum value of SAR (measured) = 0.800 W/kg



P47 LTE 25_QPSK20M_Bottom Side_10mm_Ch26140_1RB_OS0_Smample1_Ant0**DUT: 181001C05**

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

Medium: B16T20N1_1120 Medium parameters used: $f = 1860$ MHz; $\sigma = 1.543$ S/m; $\epsilon_r = 52.269$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.6 °C ; Liquid Temperature : 23.2 °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 (61x81x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

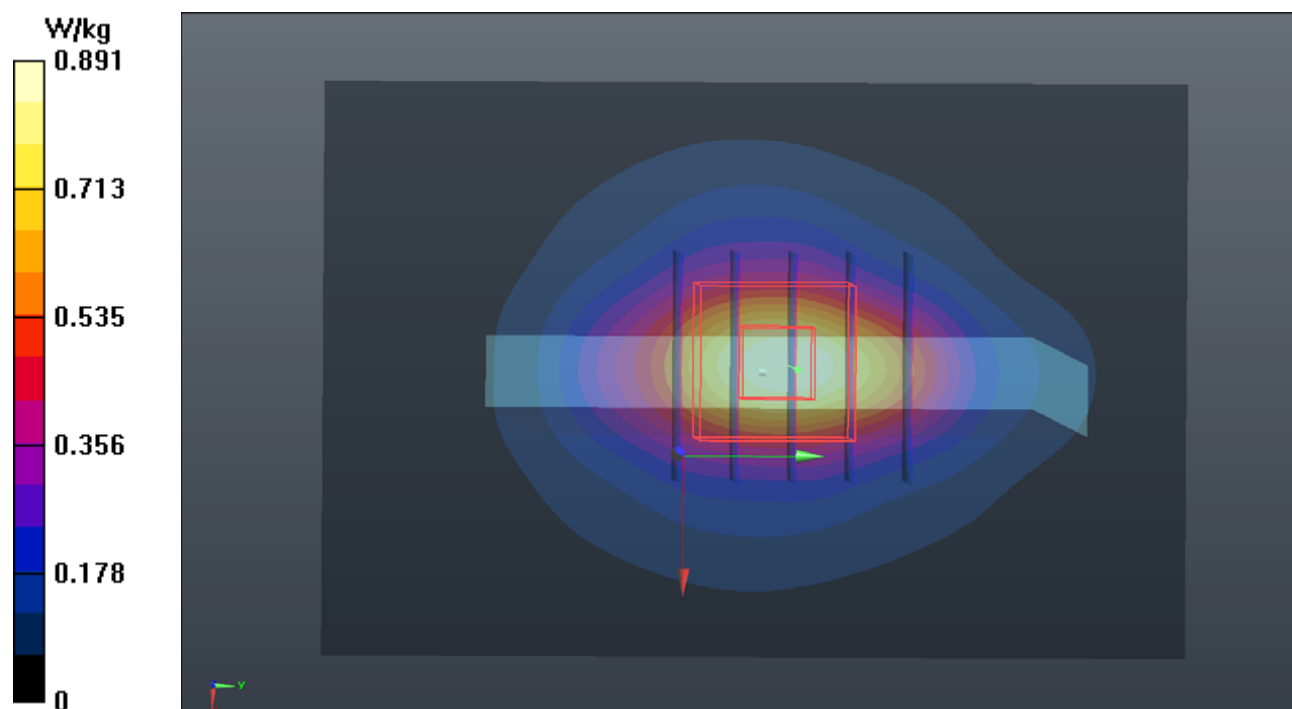
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 24.33 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.985 W/kg

SAR(1 g) = 0.551 W/kg; SAR(10 g) = 0.340 W/kg

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



P48 LTE 41_QPSK20M_Right Side_10mm_Ch41055_1RB_OS99_Sample1_Ant2**DUT: 180920C21**

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

Medium: B19T27N1_1012 Medium parameters used: $f = 2636.5$ MHz; $\sigma = 2.26$ S/m; $\epsilon_r = 49.963$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.6 °C ; Liquid Temperature : 23.3 °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 (71x151x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.698 W/kg

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

Reference Value = 16.27 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.961 W/kg

SAR(1 g) = 0.462 W/kg; SAR(10 g) = 0.209 W/kg

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

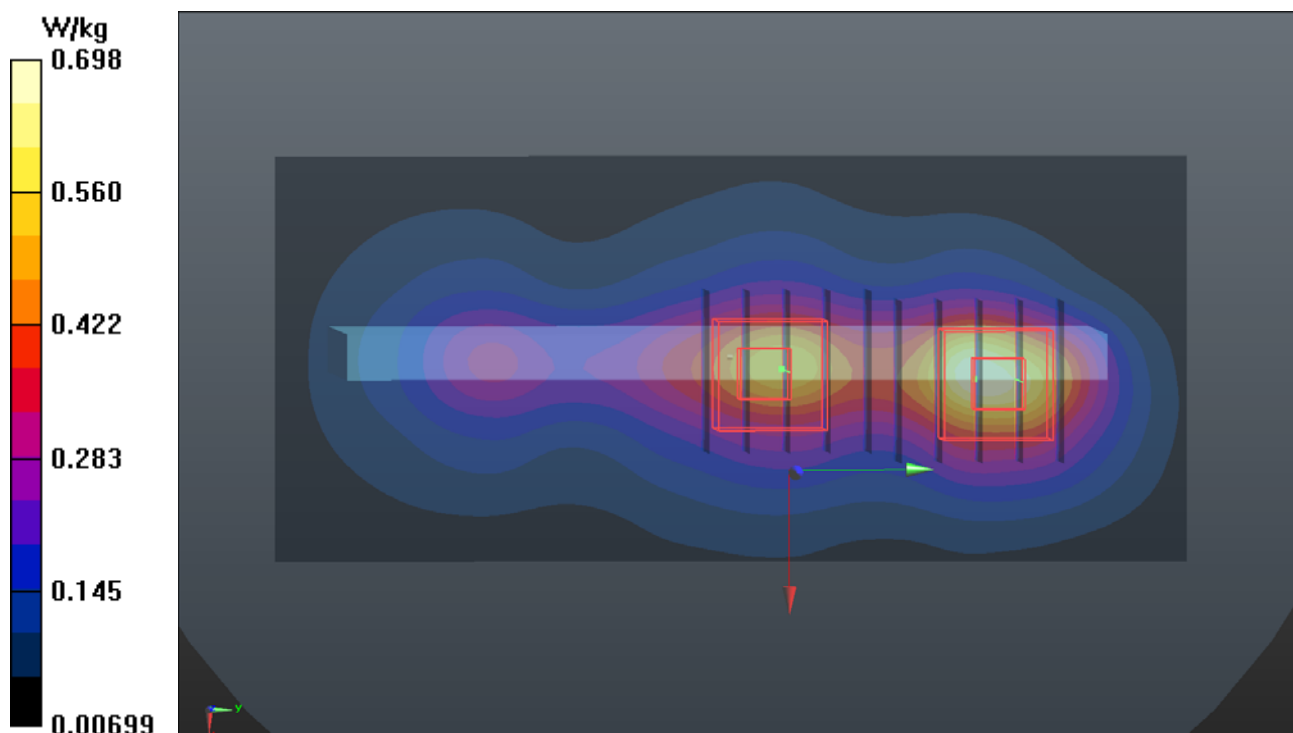
- **Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.27 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.740 W/kg

SAR(1 g) = 0.363 W/kg; SAR(10 g) = 0.189 W/kg

Maximum value of SAR (measured) = 0.574 W/kg



P39 WLAN5.2G_802.11ac VHT80_Rear Face_10mm_Ch42_Sample1_Ant1**DUT: 180920C21**

Communication System: WLAN_5G; Frequency: 5210 MHz; Duty Cycle: 1:1.08

Medium: B34T60N1_1104 Medium parameters used : $f = 5210$ MHz; $\sigma = 5.492$ S/m; $\epsilon_r = 47.636$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.9 °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 (101x181x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

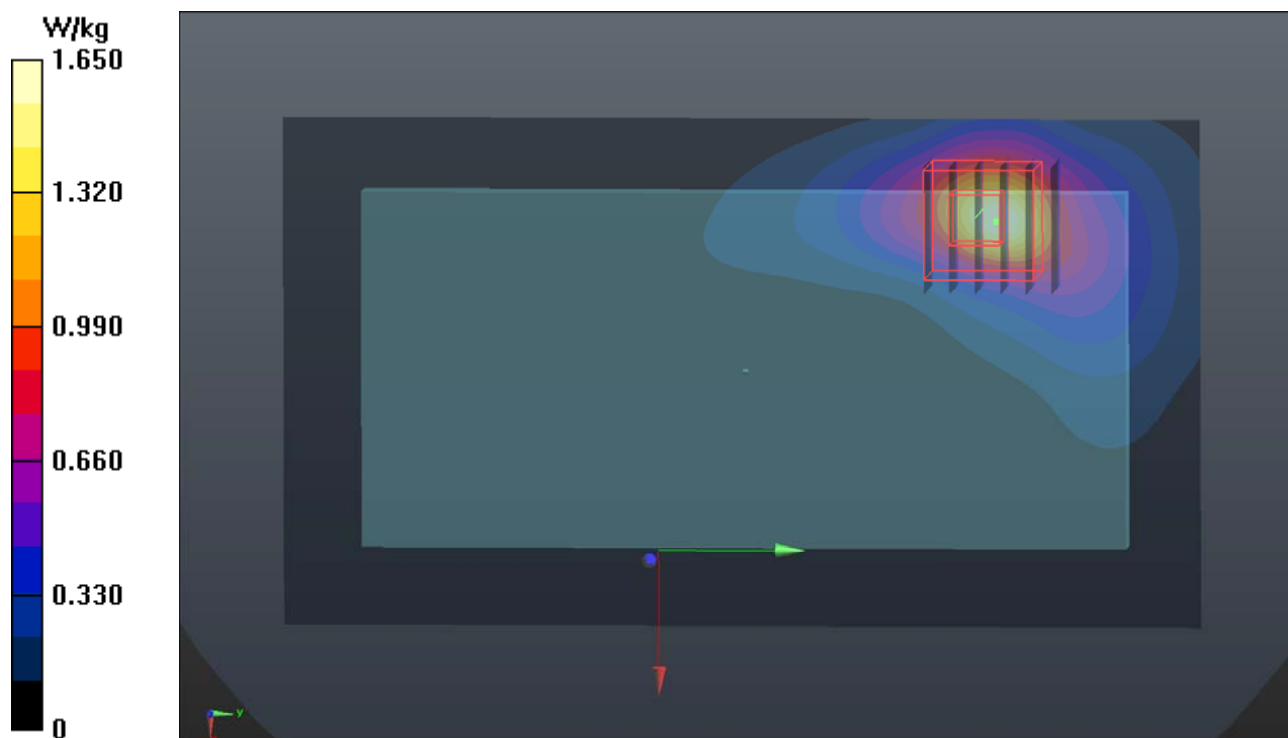
- Zoom Scan (6x6x12)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=2mm

Reference Value = 19.82 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 2.76 W/kg

SAR(1 g) = 0.757 W/kg; SAR(10 g) = 0.294 W/kg

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



P49 WLAN5.3G_802.11ac VHT80_Rear Face_0mm_Ch58_Sample1_Ant1**DUT: 180920C21**

Communication System: WLAN_5G; Frequency: 5290 MHz; Duty Cycle: 1:1.08

Medium: B34T60N1_1104 Medium parameters used: $f = 5290$ MHz; $\sigma = 5.569$ S/m; $\epsilon_r = 47.539$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.9 °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 (101x181x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 10.5 W/kg

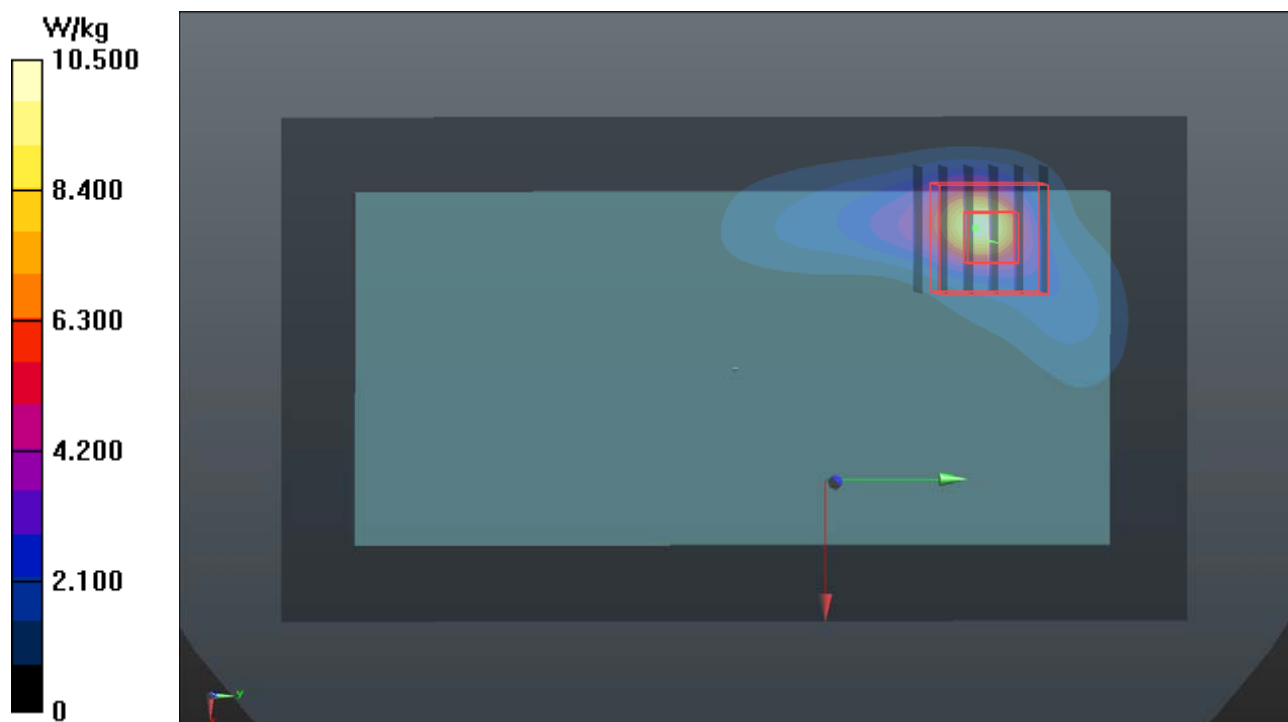
- Zoom Scan (6x6x12)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=2mm

Reference Value = 48.65 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 24.0 W/kg

SAR(1 g) = 4.98 W/kg; SAR(10 g) = 1.34 W/kg

Maximum value of SAR (measured) = 13.1 W/kg



P50 WLAN5.6G_802.11ac VHT80_Rear Face_0mm_Ch138_Sample1_Ant0+1**DUT: 180920C21**

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

Medium: B34T60N1_1104 Medium parameters used: $f = 5690$ MHz; $\sigma = 6.11$ S/m; $\epsilon_r = 46.937$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.9 °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 (101x181x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

Maximum value of SAR (interpolated) = 7.94 W/kg

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

Reference Value = 40.60 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 19.2 W/kg

SAR(1 g) = 3.02 W/kg; SAR(10 g) = 0.813 W/kg

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

