

Plot 110 LTE Band 12 1RB Front Side High (Distance 15mm)

Date: 4/23/2019

Communication System: UID 0, LTE (0); Frequency: 711 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 711 \text{ MHz}$; $\sigma = 0.932 \text{ S/m}$; $\epsilon_r = 57.311$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature: 22.3 °C Liquid Temperature: 21.5 °C

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 4mm (Mechanical Surface Detection)

Probe: EX3DV4 - SN3677; ConvF(9.79, 9.79, 9.79); Calibrated: 5/29/2018;

Electronics: DAE4 SN1291; Calibrated: 12/4/2018

Phantom: SAM1; Type: SAM; Serial: TP-1534

Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Front Side High/Area Scan (71x121x1): Interpolated grid: dx=15 mm, dy=15 mm

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

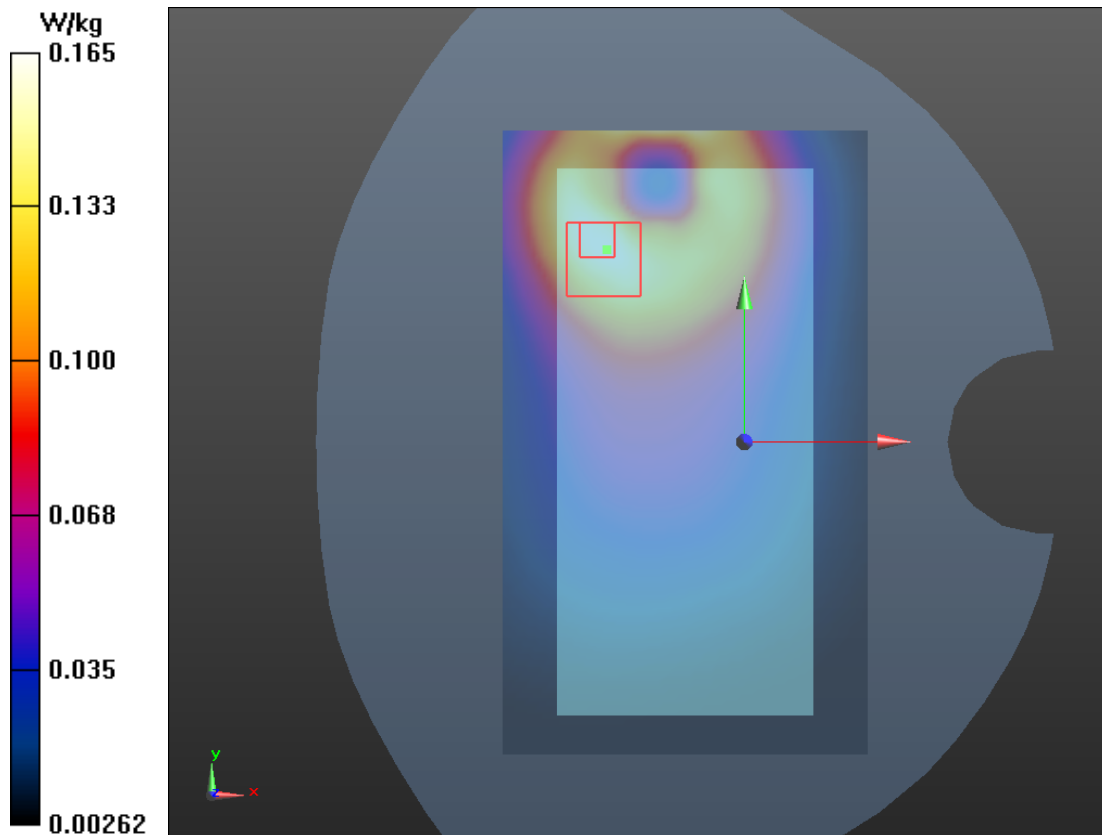
Front Side High/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.674 V/m; Power Drift = 0.022 dB

Peak SAR (extrapolated) = 0.229 W/kg

SAR(1 g) = 0.153 W/kg; SAR(10 g) = 0.101 W/kg

Maximum value of SAR (measured) = 0.165 W/kg



Plot 111 LTE Band 12 1RB Front Side High (Distance 10mm)

Date: 4/23/2019

Communication System: UID 0, LTE (0); Frequency: 711 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 711 \text{ MHz}$; $\sigma = 0.932 \text{ S/m}$; $\epsilon_r = 57.311$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature: 22.3 °C Liquid Temperature: 21.5 °C

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 4mm (Mechanical Surface Detection)

Probe: EX3DV4 - SN3677; ConvF(9.79, 9.79, 9.79); Calibrated: 5/29/2018;

Electronics: DAE4 SN1291; Calibrated: 12/4/2018

Phantom: SAM1; Type: SAM; Serial: TP-1534

Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Front Side High/Area Scan (71x121x1): Interpolated grid: dx=15 mm, dy=15 mm

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

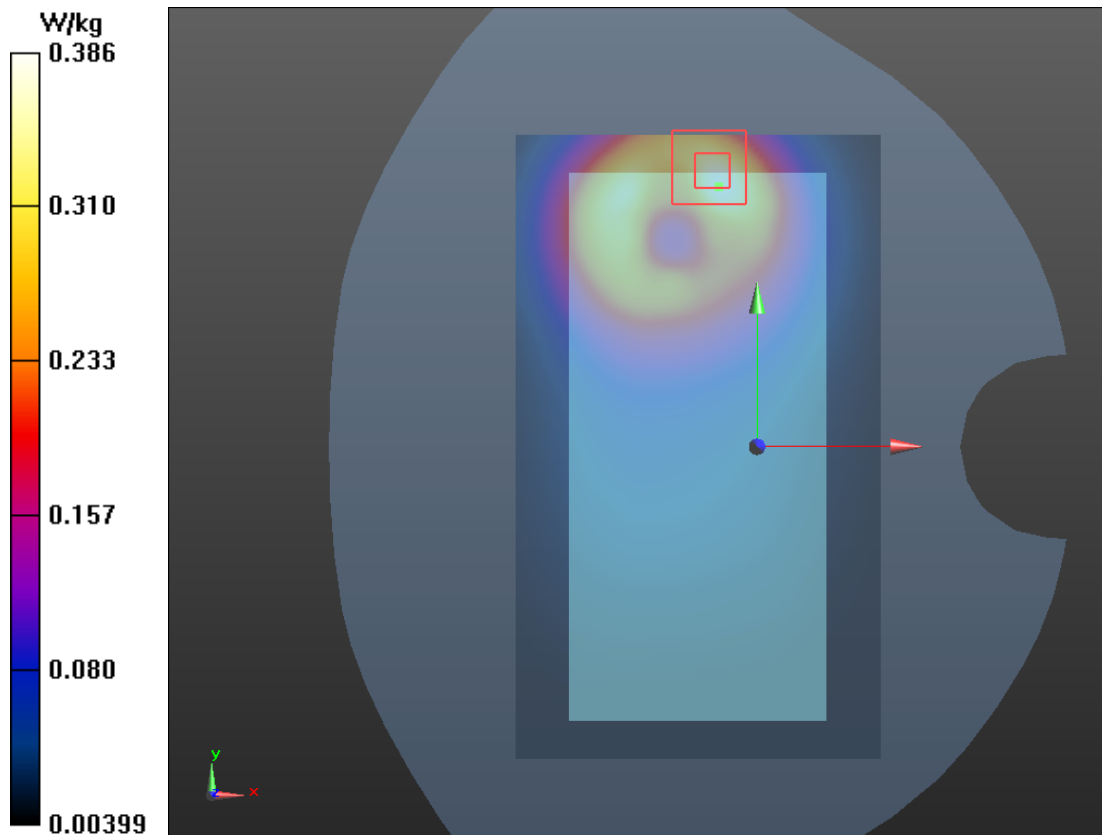
Front Side High/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.749 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.747 W/kg

SAR(1 g) = 0.363 W/kg; SAR(10 g) = 0.190 W/kg

Maximum value of SAR (measured) = 0.386 W/kg



Plot 112 LTE Band 17 50%RB Right Cheek High

Date: 4/23/2019

Communication System: UID 0, LTE (0); Frequency: 711 MHz;Duty Cycle: 1:1

Medium parameters used: f = 711 MHz; $\sigma = 0.87$ S/m; $\epsilon_r = 43.041$; $\rho = 1000$ kg/m³

Ambient Temperature:22.3 °C Liquid Temperature: 21.5°C

Phantom section: Right Section

DASY5 Configuration:

Sensor-Surface: 4mm (Mechanical Surface Detection)

Probe: EX3DV4 - SN3677; ConvF(9.40, 9.40, 9.40); Calibrated: 5/29/2018;

Electronics: DAE4 SN1291; Calibrated: 12/4/2018

Phantom: SAM1; Type: SAM; Serial: TP-1534

Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Right Cheek High/Area Scan (71x131x1): Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 0.506 W/kg

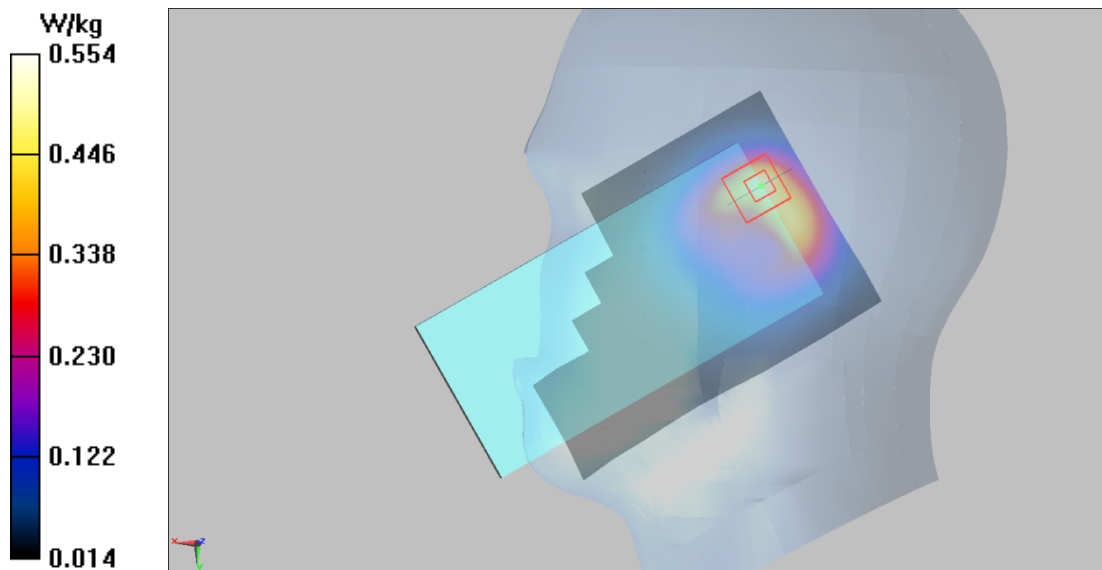
Right Cheek High/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 19.65 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 1.14 W/kg

SAR(1 g) = 0.480 W/kg; SAR(10 g) = 0.243 W/kg

Maximum value of SAR (measured) = 0.554 W/kg



Plot 113 LTE Band 17 1RB Back Side High (Distance 15mm)

Date: 4/23/2019

Communication System: UID 0, LTE (0); Frequency: 709 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 709 \text{ MHz}$; $\sigma = 0.93 \text{ S/m}$; $\epsilon_r = 57.33$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature: $22.3 \text{ }^\circ\text{C}$ Liquid Temperature: $21.5 \text{ }^\circ\text{C}$

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 4mm (Mechanical Surface Detection)

Probe: EX3DV4 - SN3677; ConvF(9.79, 9.79, 9.79); Calibrated: 5/29/2018;

Electronics: DAE4 SN1291; Calibrated: 12/4/2018

Phantom: SAM1; Type: SAM; Serial: TP-1534

Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Back Side High/Area Scan (71x121x1): Interpolated grid: $dx=15 \text{ mm}$, $dy=15 \text{ mm}$

Maximum value of SAR (interpolated) = 0.128 W/kg

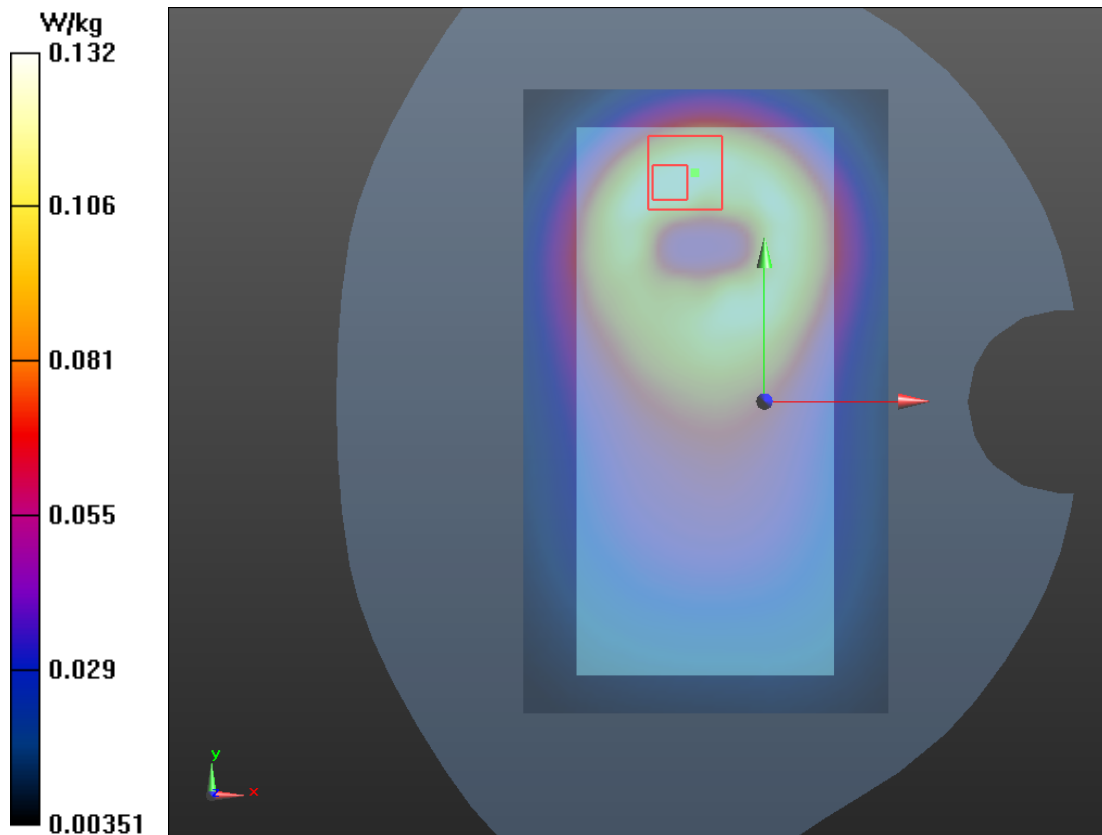
Back Side High/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 9.367 V/m ; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.210 W/kg

SAR(1 g) = 0.122 W/kg ; SAR(10 g) = 0.072 W/kg

Maximum value of SAR (measured) = 0.132 W/kg



Plot 114 LTE Band 17 1RB Back Side Low (Distance 10mm)

Date: 4/23/2019

Communication System: UID 0, LTE (0); Frequency: 709 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 709 \text{ MHz}$; $\sigma = 0.93 \text{ S/m}$; $\epsilon_r = 57.33$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature: $22.3 \text{ }^\circ\text{C}$ Liquid Temperature: $21.5 \text{ }^\circ\text{C}$

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 4mm (Mechanical Surface Detection)

Probe: EX3DV4 - SN3677; ConvF(9.79, 9.79, 9.79); Calibrated: 5/29/2018;

Electronics: DAE4 SN1291; Calibrated: 12/4/2018

Phantom: SAM1; Type: SAM; Serial: TP-1534

Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Back Side Low/Area Scan (71x61x1): Interpolated grid: $dx=15 \text{ mm}$, $dy=15 \text{ mm}$

Maximum value of SAR (interpolated) = 0.352 W/kg

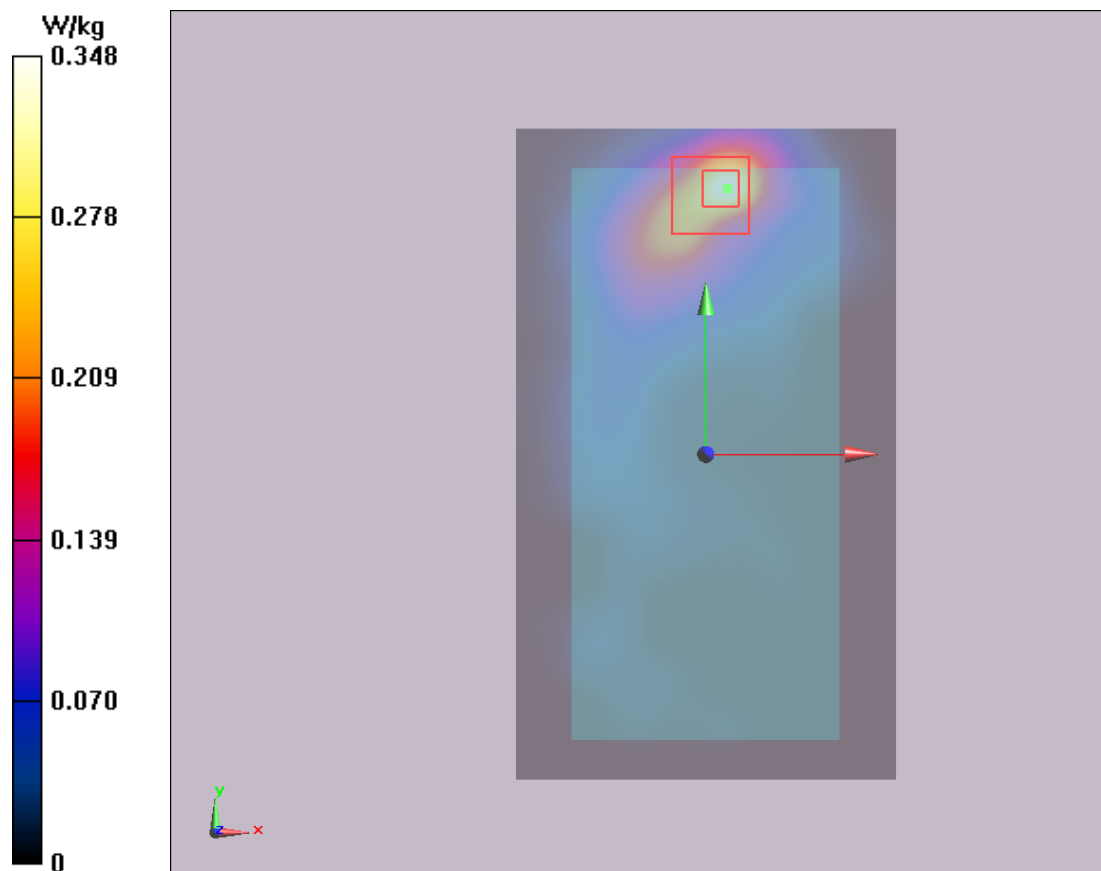
Back Side Low/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 10.16 V/m ; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 1.02 W/kg

SAR(1 g) = 0.339 W/kg ; SAR(10 g) = 0.093 W/kg

Maximum value of SAR (measured) = 0.348 W/kg



Plot 115 LTE Band 26 1RB Right Cheek High

Date: 4/27/2019

Communication System: UID 0, LTE (0); Frequency: 841.5 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 841.5 \text{ MHz}$; $\sigma = 0.921 \text{ S/m}$; $\epsilon_r = 41.9$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature: 22.3 °C Liquid Temperature: 21.5 °C

Phantom section: Right Section

DASY5 Configuration:

Sensor-Surface: 4mm (Mechanical Surface Detection)

Probe: EX3DV4 - SN3677; ConvF(9.10, 9.10, 9.10); Calibrated: 5/29/2018;

Electronics: DAE4 SN1291; Calibrated: 12/4/2018

Phantom: SAM1; Type: SAM; Serial: TP-1534

Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Right Cheek High/Area Scan (71x131x1): Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 0.449 W/kg

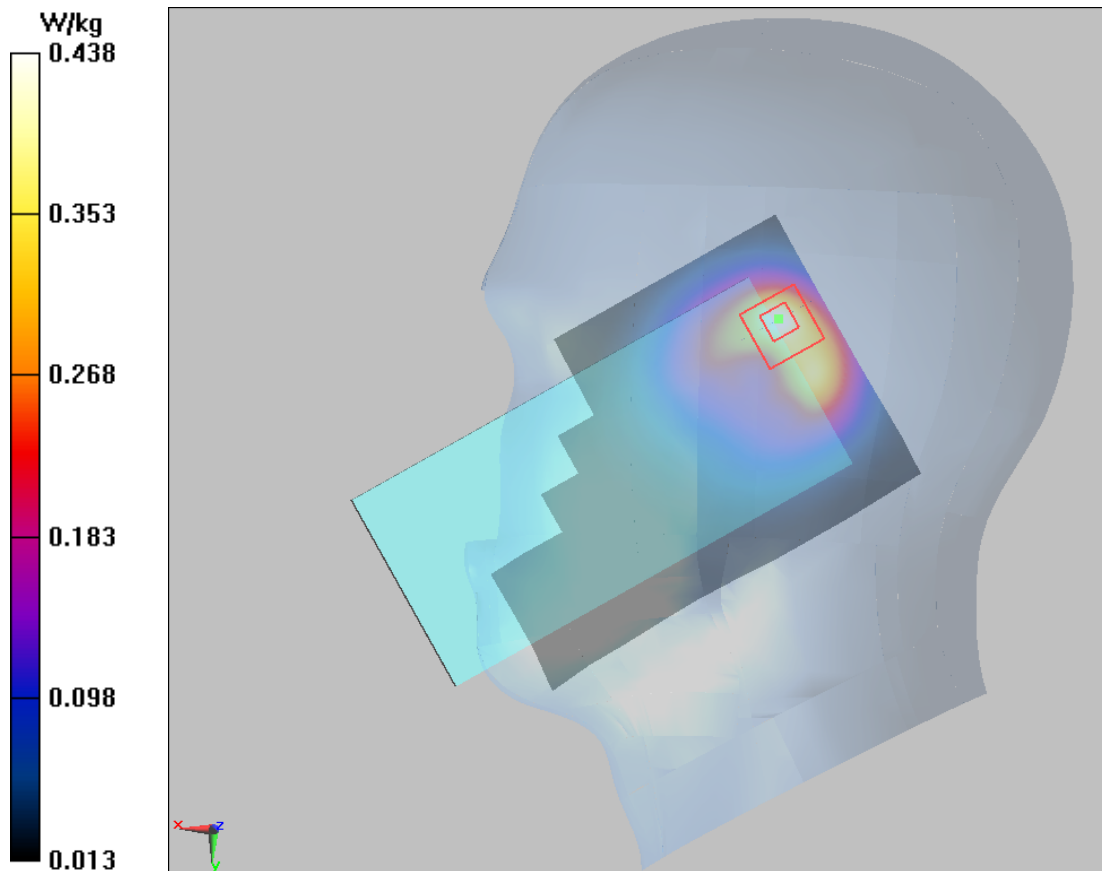
Right Cheek High/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.29 V/m; Power Drift = 0.030 dB

Peak SAR (extrapolated) = 0.827 W/kg

SAR(1 g) = 0.379 W/kg; SAR(10 g) = 0.198 W/kg

Maximum value of SAR (measured) = 0.438 W/kg



Plot 116 LTE Band 26 1RB Front Side Middle (Distance 15mm)

Date: 4/24/2019

Communication System: UID 0, LTE (0); Frequency: 831.5 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 831.5 \text{ MHz}$; $\sigma = 0.969 \text{ S/m}$; $\epsilon_r = 53.84$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature: 22.3 °C Liquid Temperature: 21.5 °C

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 4mm (Mechanical Surface Detection)

Probe: EX3DV4 - SN3677; ConvF(9.32, 9.32, 9.32); Calibrated: 5/29/2018;

Electronics: DAE4 SN1291; Calibrated: 12/4/2018

Phantom: SAM1; Type: SAM; Serial: TP-1534

Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Front Side Middle/Area Scan (71x61x1): Interpolated grid: $dx=15 \text{ mm}$, $dy=15 \text{ mm}$

Maximum value of SAR (interpolated) = 0.219 W/kg

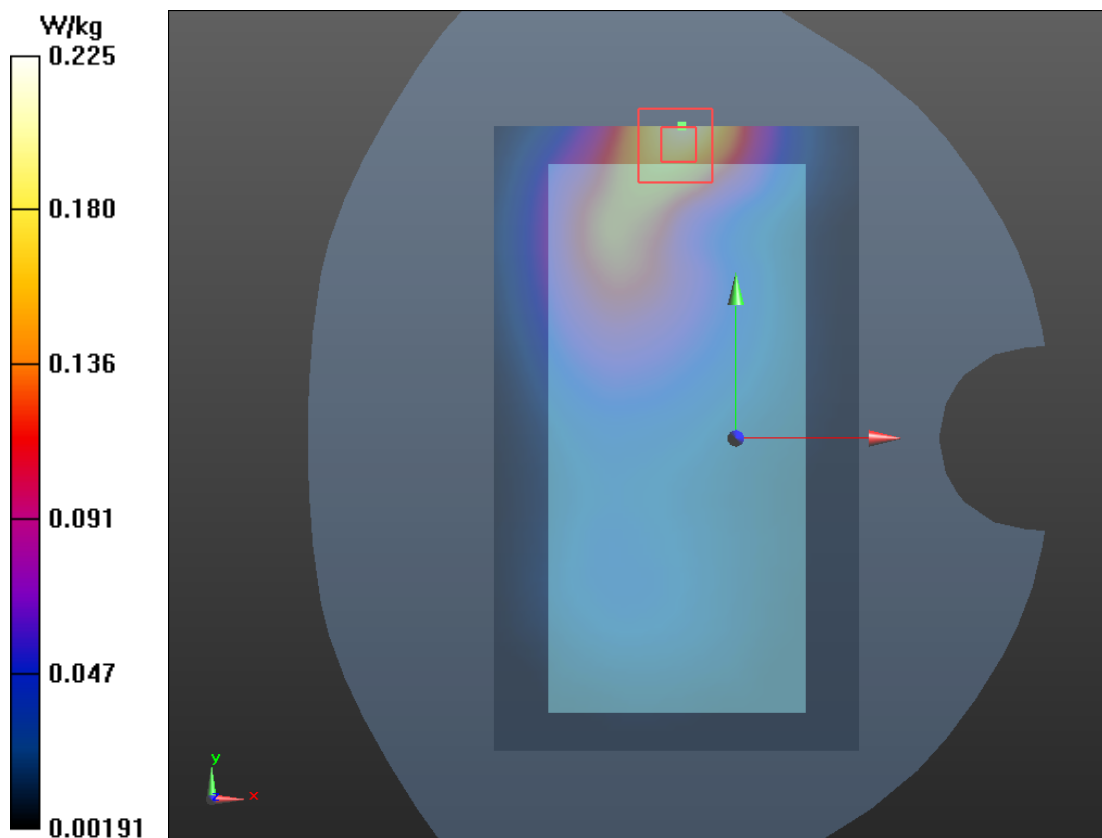
Front Side Middle/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 9.004 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 0.301 W/kg

SAR(1 g) = 0.209 W/kg; SAR(10 g) = 0.139 W/kg

Maximum value of SAR (measured) = 0.225 W/kg



Plot 117 LTE Band 26 50%RB Front Side Middle (Distance 10mm)

Date: 4/24/2019

Communication System: UID 0, LTE (0); Frequency: 821.5 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 821.5 \text{ MHz}$; $\sigma = 0.96 \text{ S/m}$; $\epsilon_r = 53.932$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature: 22.3 °C Liquid Temperature: 21.5 °C

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 4mm (Mechanical Surface Detection)

Probe: EX3DV4 - SN3677; ConvF(9.32, 9.32, 9.32); Calibrated: 5/29/2018;

Electronics: DAE4 SN1291; Calibrated: 12/4/2018

Phantom: SAM1; Type: SAM; Serial: TP-1534

Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Front Side Middle/Area Scan (71x61x1): Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 0.313 W/kg

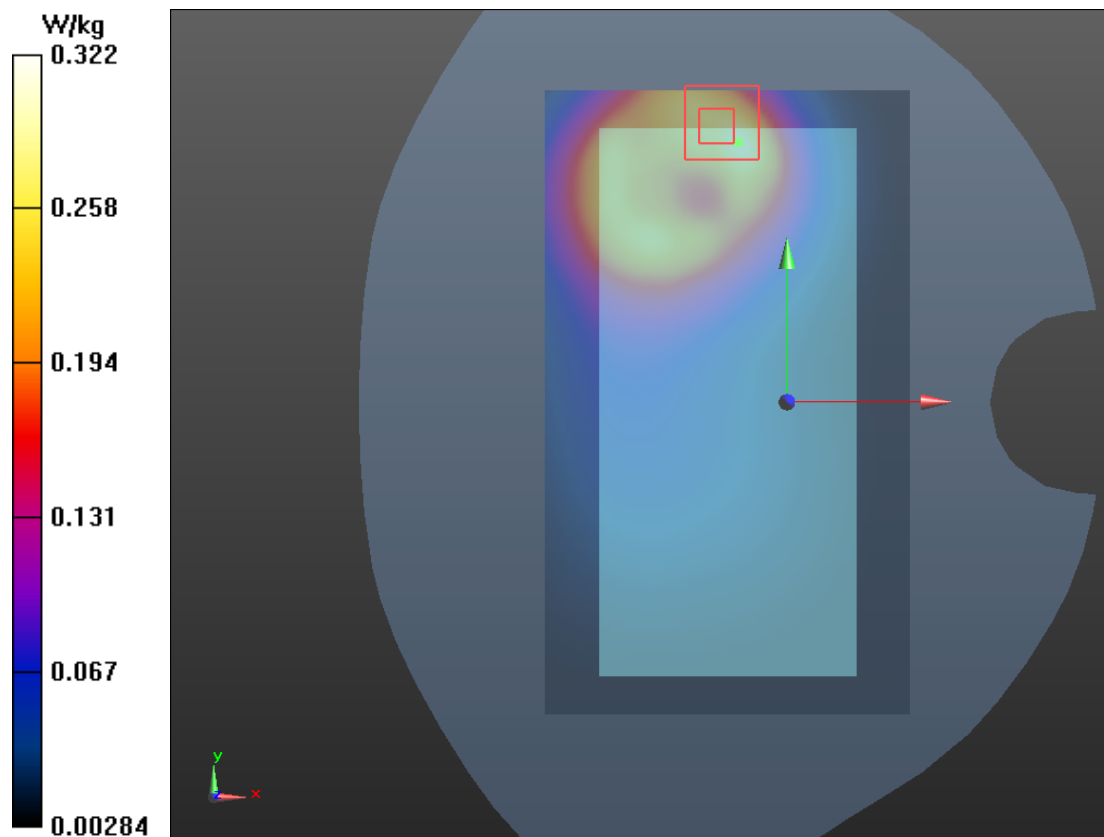
Front Side Middle/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.098 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 0.550 W/kg

SAR(1 g) = 0.292 W/kg; SAR(10 g) = 0.158 W/kg

Maximum value of SAR (measured) = 0.322 W/kg



Plot 118 LTE Band 38 50%RB Right Cheek Low

Date: 4/17/2019

Communication System: UID 0, LTE (0); Frequency: 2580 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2580$ MHz; $\sigma = 1.996$ S/m; $\epsilon_r = 38.235$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3 °C Liquid Temperature: 21.5 °C

Phantom section: Right Section

DASY5 Configuration:

Sensor-Surface: 4mm (Mechanical Surface Detection)

Probe: EX3DV4 - SN3677; ConvF(7.28, 7.28, 7.28); Calibrated: 5/29/2018;

DAE4 SN1291; Calibrated: 12/4/2018

Phantom: SAM1; Type: SAM; Serial: TP-1534

Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Right Cheek Low/Area Scan (91x171x1): Interpolated grid: dx=12 mm, dy=12 mm

Maximum value of SAR (interpolated) = 0.367 W/kg

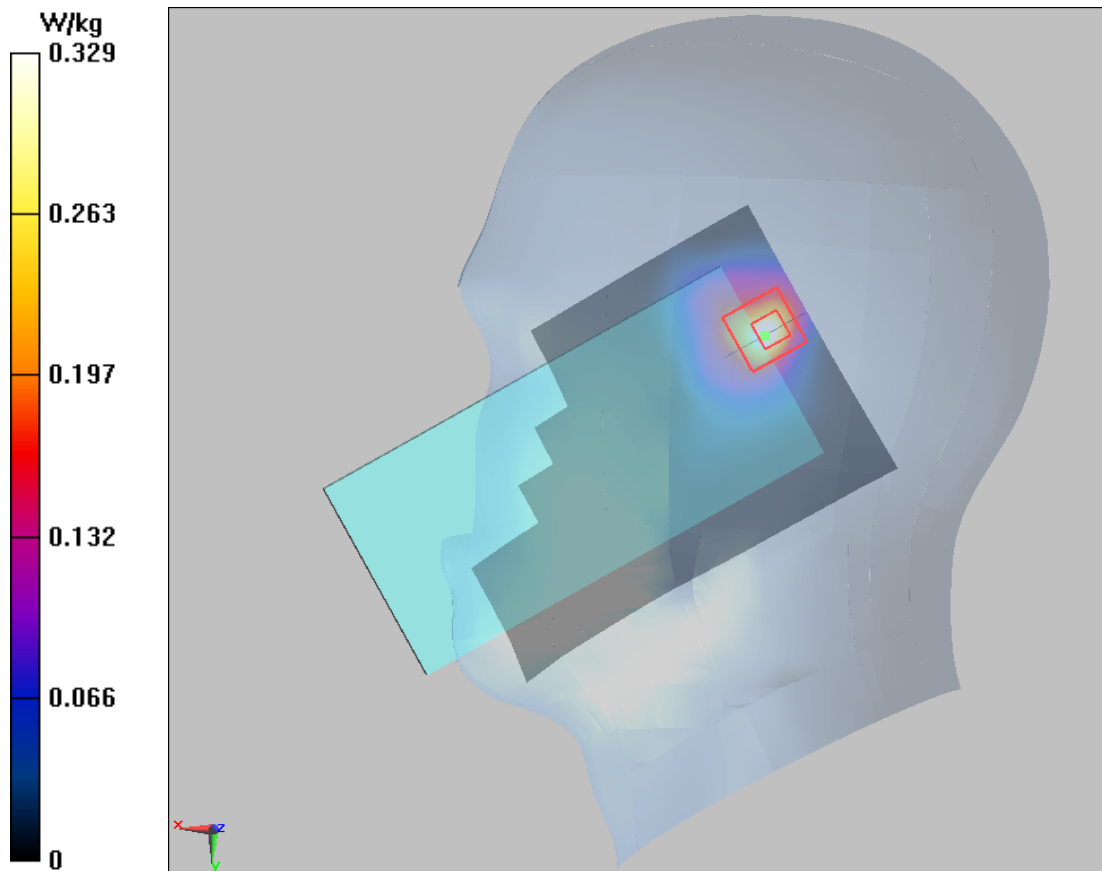
Right Cheek Low/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 10.98 V/m; Power Drift = -0.041 dB

Peak SAR (extrapolated) = 0.761 W/kg

SAR(1 g) = 0.298 W/kg; SAR(10 g) = 0.127 W/kg

Maximum value of SAR (measured) = 0.329 W/kg



Plot 119 LTE Band 38 1RB Back Side Low (Distance 15mm)

Date: 4/26/2019

Communication System: UID 0, LTE (0); Frequency: 2580 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2580 \text{ MHz}$; $\sigma = 2.131 \text{ S/m}$; $\epsilon_r = 50.712$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature: $22.3 \text{ }^\circ\text{C}$ Liquid Temperature: $21.5 \text{ }^\circ\text{C}$

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 4mm (Mechanical Surface Detection)

Probe: EX3DV4 - SN3677; ConvF(7.16, 7.16, 7.16); Calibrated: 5/29/2018;

DAE4 SN1291; Calibrated: 12/4/2018

Phantom: SAM1; Type: SAM; Serial: TP-1534

Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Back Side Low/Area Scan (91x171x1): Interpolated grid: $dx=12 \text{ mm}$, $dy=12 \text{ mm}$

Maximum value of SAR (interpolated) = 0.0627 W/kg

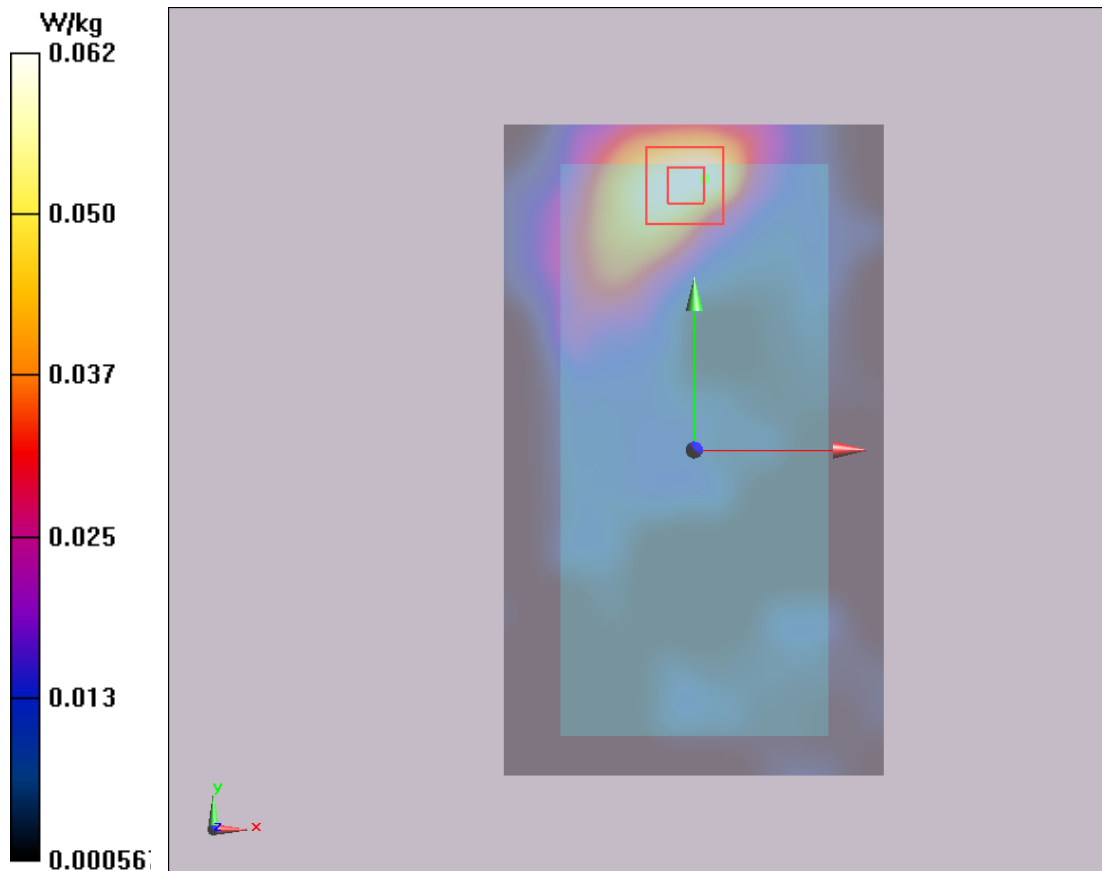
Back Side Low/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 2.071 V/m ; Power Drift = 0.047 dB

Peak SAR (extrapolated) = 0.116 W/kg

SAR(1 g) = 0.059 W/kg ; SAR(10 g) = 0.033 W/kg

Maximum value of SAR (measured) = 0.062 W/kg



Plot 120 LTE Band 38 1RB Top Edge Low (Distance 10mm)

Date: 4/26/2019

Communication System: UID 0, LTE (0); Frequency: 2580 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2580$ MHz; $\sigma = 2.131$ S/m; $\epsilon_r = 50.712$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3 °C Liquid Temperature: 21.5 °C

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 4mm (Mechanical Surface Detection)

Probe: EX3DV4 - SN3677; ConvF(7.16, 7.16, 7.16); Calibrated: 5/29/2018;

DAE4 SN1291; Calibrated: 12/4/2018

Phantom: SAM1; Type: SAM; Serial: TP-1534

Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Top Edge Low /Area Scan (51x111x1): Interpolated grid: dx=10 mm, dy=10 mm

Maximum value of SAR (interpolated) = 0.266 W/kg

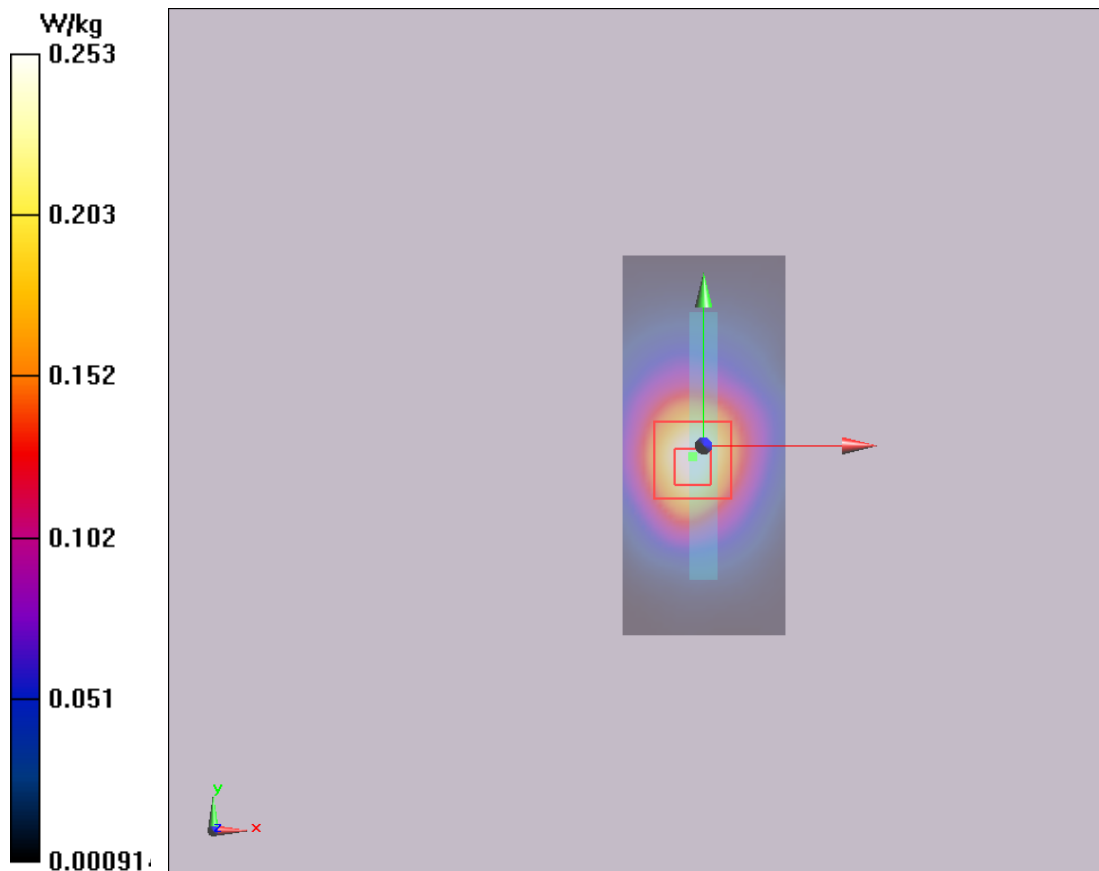
Top Edge Low /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 10.33 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 0.487 W/kg

SAR(1 g) = 0.233 W/kg; SAR(10 g) = 0.114 W/kg

Maximum value of SAR (measured) = 0.253 W/kg



Plot 121 LTE Band 41 50%RB Right Tilt Low

Date: 4/17/2019

Communication System: UID 0, LTE (0); Frequency: 2549.5 MHz; Duty Cycle: 1:1.57979

Medium parameters used (interpolated): $f = 2549.5$ MHz; $\sigma = 1.963$ S/m; $\epsilon_r = 38.342$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3 °C Liquid Temperature: 21.5 °C

Phantom section: Right Section

DASY5 Configuration:

Sensor-Surface: 4mm (Mechanical Surface Detection)

Probe: EX3DV4 - SN3677; ConvF(7.28, 7.28, 7.28); Calibrated: 5/29/2018;

DAE4 SN1291; Calibrated: 12/4/2018

Phantom: SAM1; Type: SAM; Serial: TP-1534

Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Right Tilt Low/Area Scan (91x171x1): Interpolated grid: dx=12 mm, dy=12 mm

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

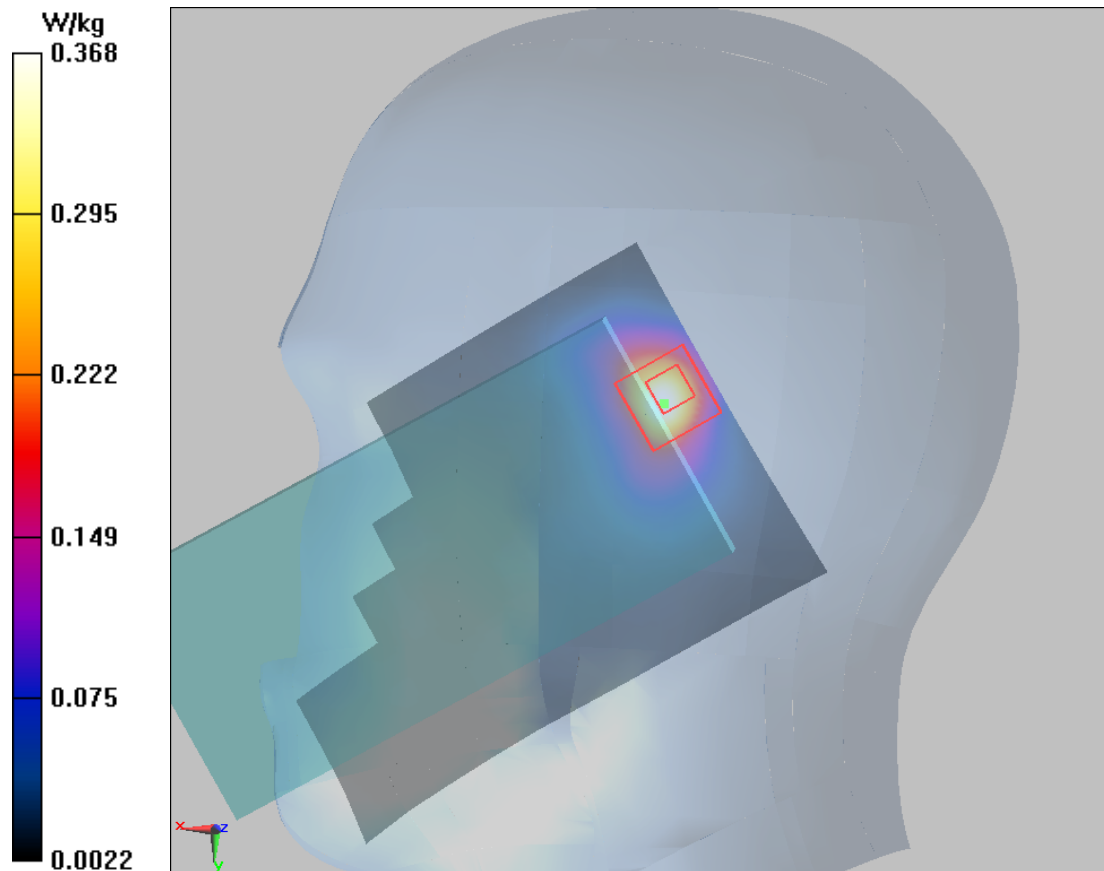
Right Tilt Low/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.77 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.942 W/kg

SAR(1 g) = 0.341 W/kg; SAR(10 g) = 0.142 W/kg

Maximum value of SAR (measured) = 0.368 W/kg



Plot 122 LTE Band 41 1RB Back Side Low(Distance 15mm)

Date: 4/26/2019

Communication System: UID 0, LTE (0); Frequency: 2549.5 MHz;Duty Cycle: 1:1.57979

Medium parameters used (interpolated): $f = 2549.5$ MHz; $\sigma = 2.092$ S/m; $\epsilon_r = 50.805$; $\rho = 1000$ kg/m³

Ambient Temperature:22.3 °C Liquid Temperature: 21.5°C

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 4mm (Mechanical Surface Detection)

Probe: EX3DV4 - SN3677; ConvF(7.16, 7.16, 7.16); Calibrated: 5/29/2018;

Electronics: DAE4 SN1291; Calibrated: 12/4/2018

Phantom: SAM1; Type: SAM; Serial: TP-1534

Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Back Side Low/Area Scan (91x171x1): Interpolated grid: dx=12 mm, dy=12 mm

Maximum value of SAR (interpolated) = 0.134 W/kg

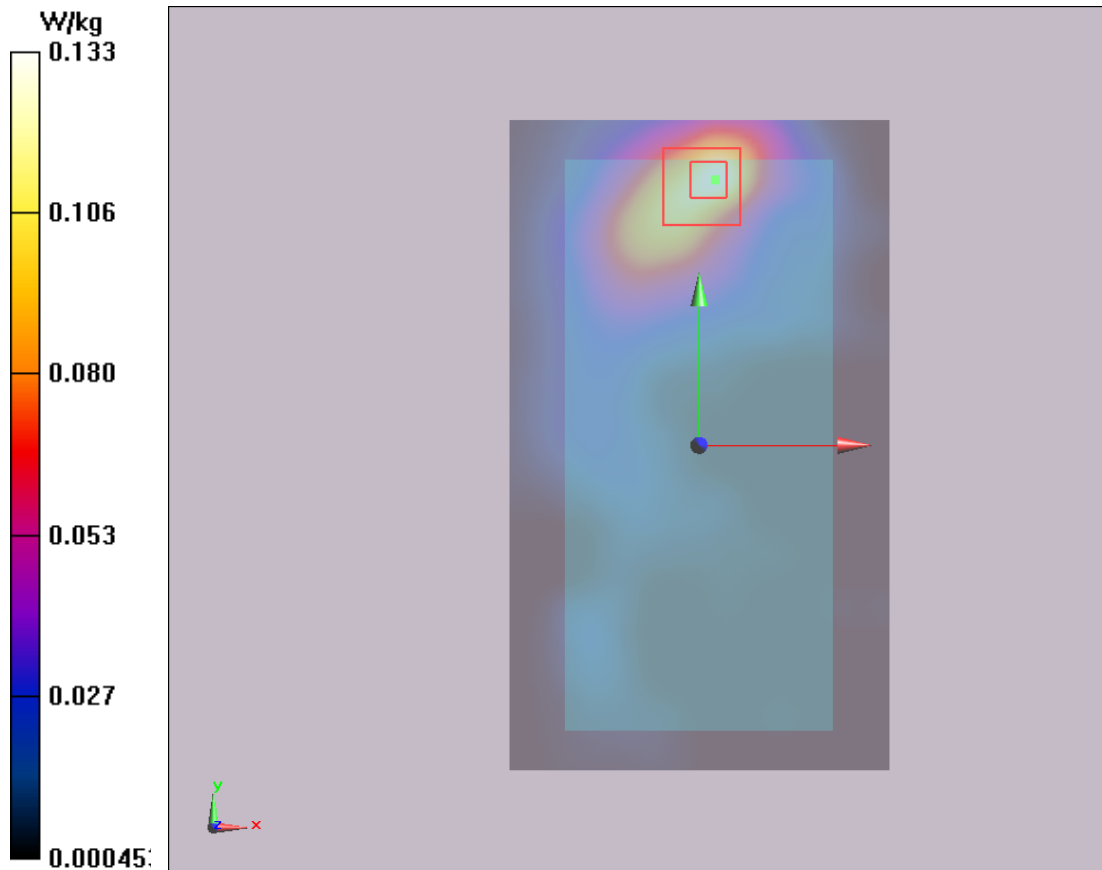
Back Side Low/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 1.340 V/m; Power Drift = 0.026 dB

Peak SAR (extrapolated) = 0.250 W/kg

SAR(1 g) = 0.120 W/kg; SAR(10 g) = 0.060 W/kg

Maximum value of SAR (measured) = 0.133 W/kg



Plot 123 LTE Band 41 1RB Back Side Low(Distance 10mm)

Date: 4/26/2019

Communication System: UID 0, LTE (0); Frequency: 2549.5 MHz;Duty Cycle: 1:1.57979

Medium parameters used (interpolated): $f = 2549.5$ MHz; $\sigma = 2.092$ S/m; $\epsilon_r = 50.805$; $\rho = 1000$ kg/m³

Ambient Temperature:22.3 °C Liquid Temperature: 21.5°C

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 4mm (Mechanical Surface Detection)

Probe: EX3DV4 - SN3677; ConvF(7.16, 7.16, 7.16); Calibrated: 5/29/2018;

Electronics: DAE4 SN1291; Calibrated: 12/4/2018

Phantom: SAM1; Type: SAM; Serial: TP-1534

Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Back Side Low/Area Scan (91x171x1): Interpolated grid: dx=12 mm, dy=12 mm

Maximum value of SAR (interpolated) = 0.293 W/kg

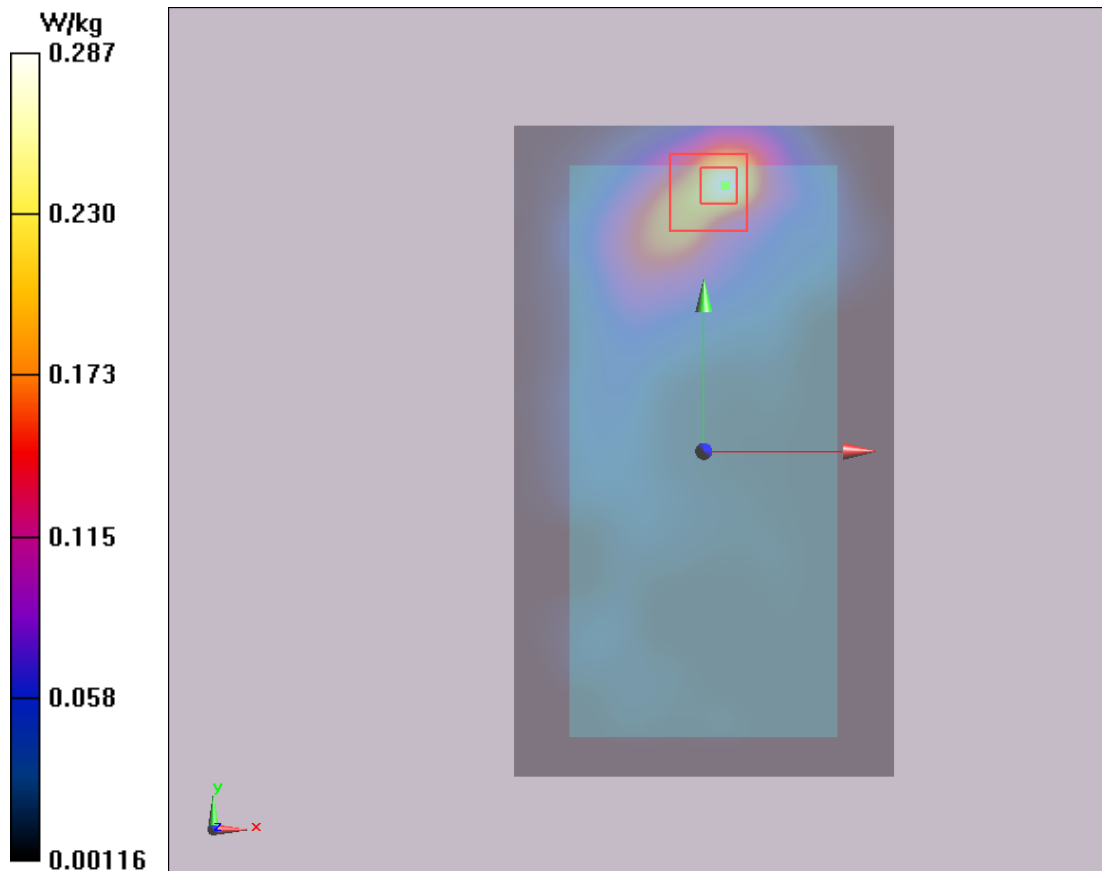
Back Side Low/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.178 V/m; Power Drift = 0.069 dB

Peak SAR (extrapolated) = 0.543 W/kg

SAR(1 g) = 0.249 W/kg; SAR(10 g) = 0.114 W/kg

Maximum value of SAR (measured) = 0.287 W/kg



Plot 124 LTE Band 66 1RB Right Tilt Low

Date: 4/22/2019

Communication System: UID 0, LTE (0); Frequency: 1720 MHz; Duty Cycle: 1:1.58

Medium parameters used: $f = 1720$ MHz; $\sigma = 1.284$ S/m; $\epsilon_r = 38.855$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3 °C Liquid Temperature: 21.5 °C

Phantom section: Right Section

DASY5 Configuration:

Sensor-Surface: 4mm (Mechanical Surface Detection)

Probe: EX3DV4 - SN3677; ConvF(8.19, 8.19, 8.19); Calibrated: 5/29/2018;

Electronics: DAE4 SN1291; Calibrated: 12/4/2018

Phantom: SAM1; Type: SAM; Serial: TP-1534

Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Right Cheek Low/Area Scan (71x131x1): Interpolated grid: dx=15 mm, dy=15 mm

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

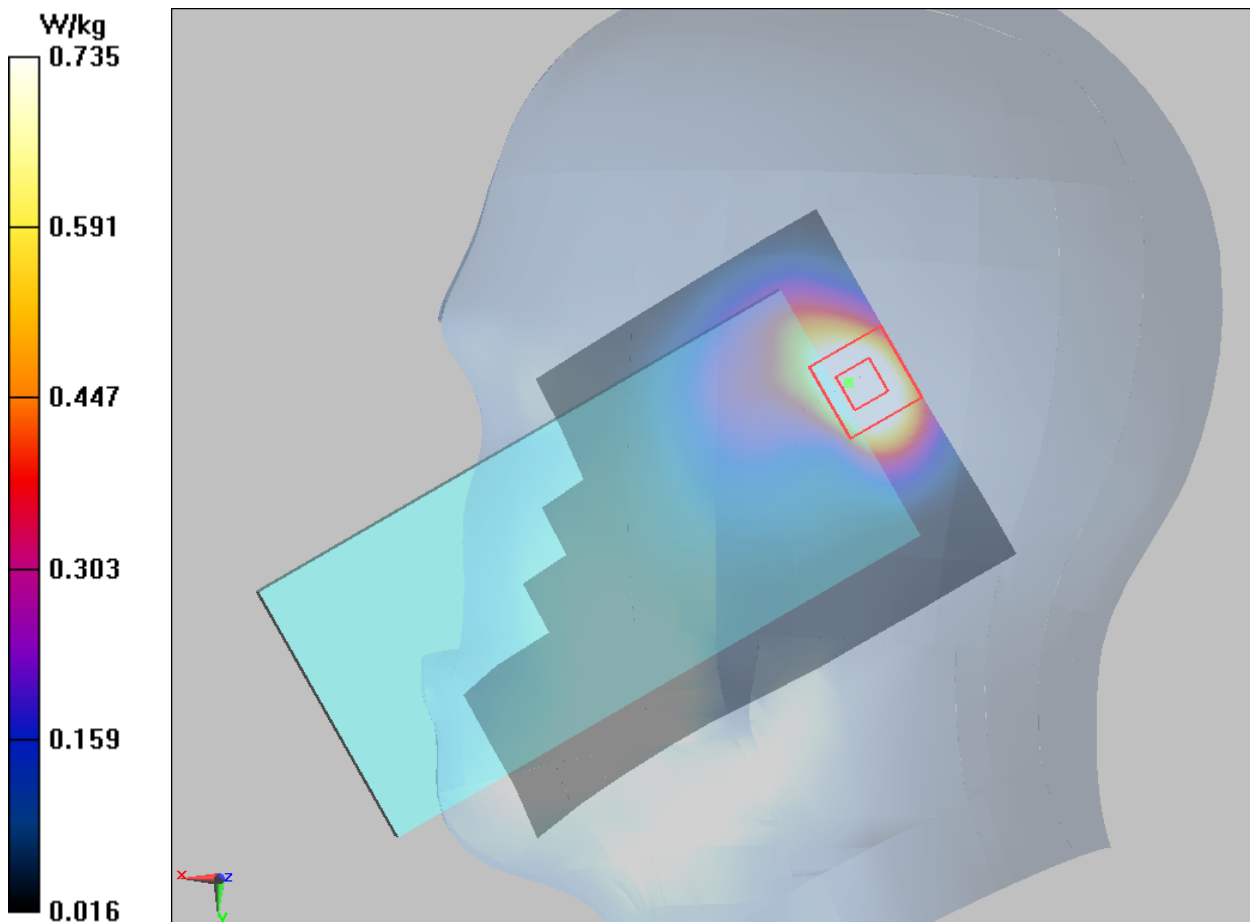
Right Cheek Low/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 24.35 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 1.65 W/kg

SAR(1 g) = 0.402 W/kg; SAR(10 g) = 0.908 W/kg

Maximum value of SAR (measured) = 0.735 W/kg



Plot 125 LTE Band 66 1RB Front Side Low(Distance 15mm)

Date: 4/14/2019

Communication System: UID 0, LTE (0); Frequency: 1720 MHz;Duty Cycle: 1:1.58

Medium parameters used: $f = 1720$ MHz; $\sigma = 1.431$ S/m; $\epsilon_r = 53.201$; $\rho = 1000$ kg/m³

Ambient Temperature:22.3 °C Liquid Temperature: 21.5°C

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 4mm (Mechanical Surface Detection)

Probe: EX3DV4 - SN3677; ConvF(7.91, 7.91, 7.91); Calibrated: 5/29/2018;

Electronics: DAE4 SN1291; Calibrated: 12/4/2018

Phantom: SAM1; Type: SAM; Serial: TP-1534

Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Front Side Low/Area Scan (71x121x1): Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 0.148 W/kg

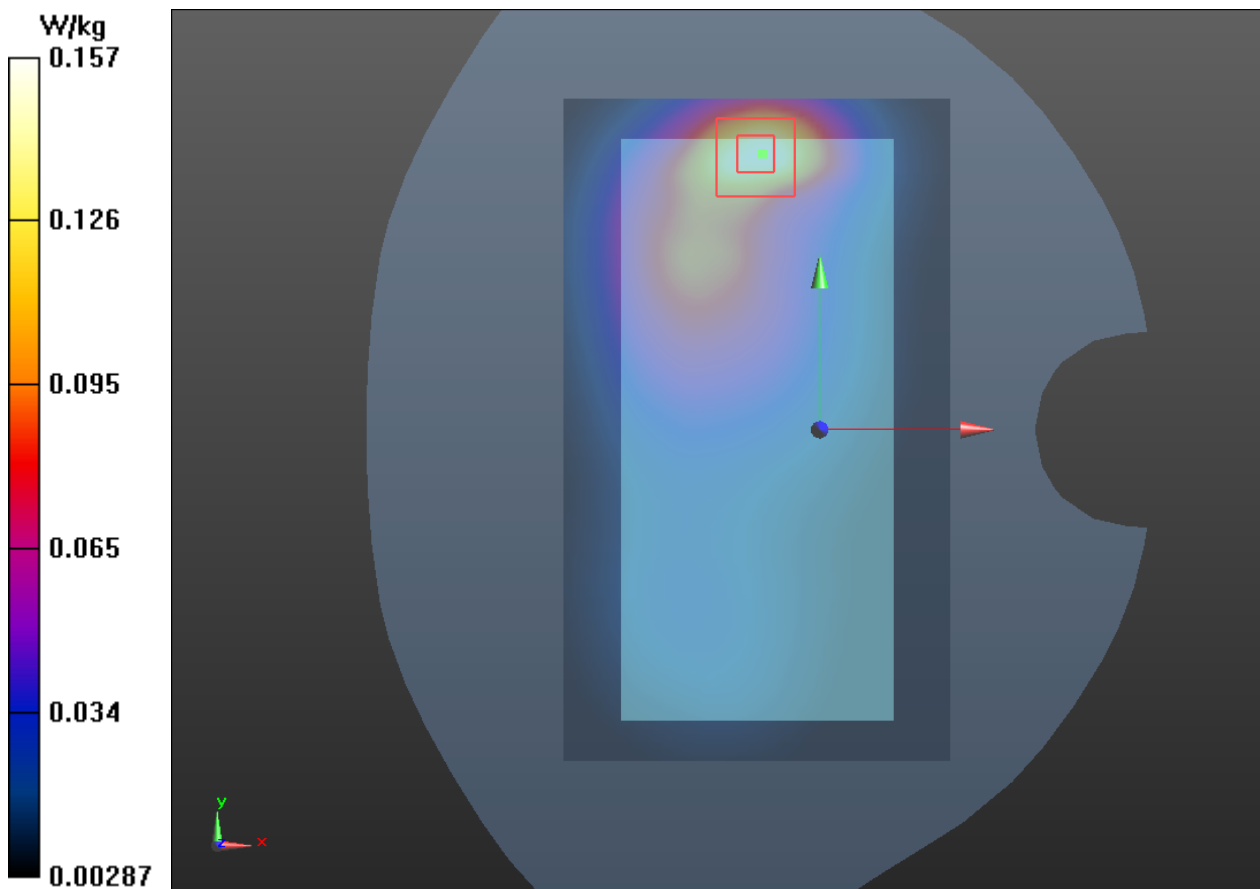
Front Side Low/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.930 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.239 W/kg

SAR(1 g) = 0.147 W/kg; SAR(10 g) = 0.084 W/kg

Maximum value of SAR (measured) = 0.157 W/kg



Plot 126 LTE Band 66 1RB Top Edge Low(Distance 10mm)

Date: 4/14/2019

Communication System: UID 0, LTE (0); Frequency: 1720 MHz;Duty Cycle: 1:1.58

Medium parameters used: $f = 1720$ MHz; $\sigma = 1.431$ S/m; $\epsilon_r = 53.201$; $\rho = 1000$ kg/m³

Ambient Temperature:22.3 °C Liquid Temperature: 21.5°C

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 4mm (Mechanical Surface Detection)

Probe: EX3DV4 - SN3677; ConvF(7.91, 7.91, 7.91); Calibrated: 5/29/2018;

Electronics: DAE4 SN1291; Calibrated: 12/4/2018

Phantom: SAM1; Type: SAM; Serial: TP-1534

Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Top Edge Low/Area Scan (31x71x1): Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 0.266 W/kg

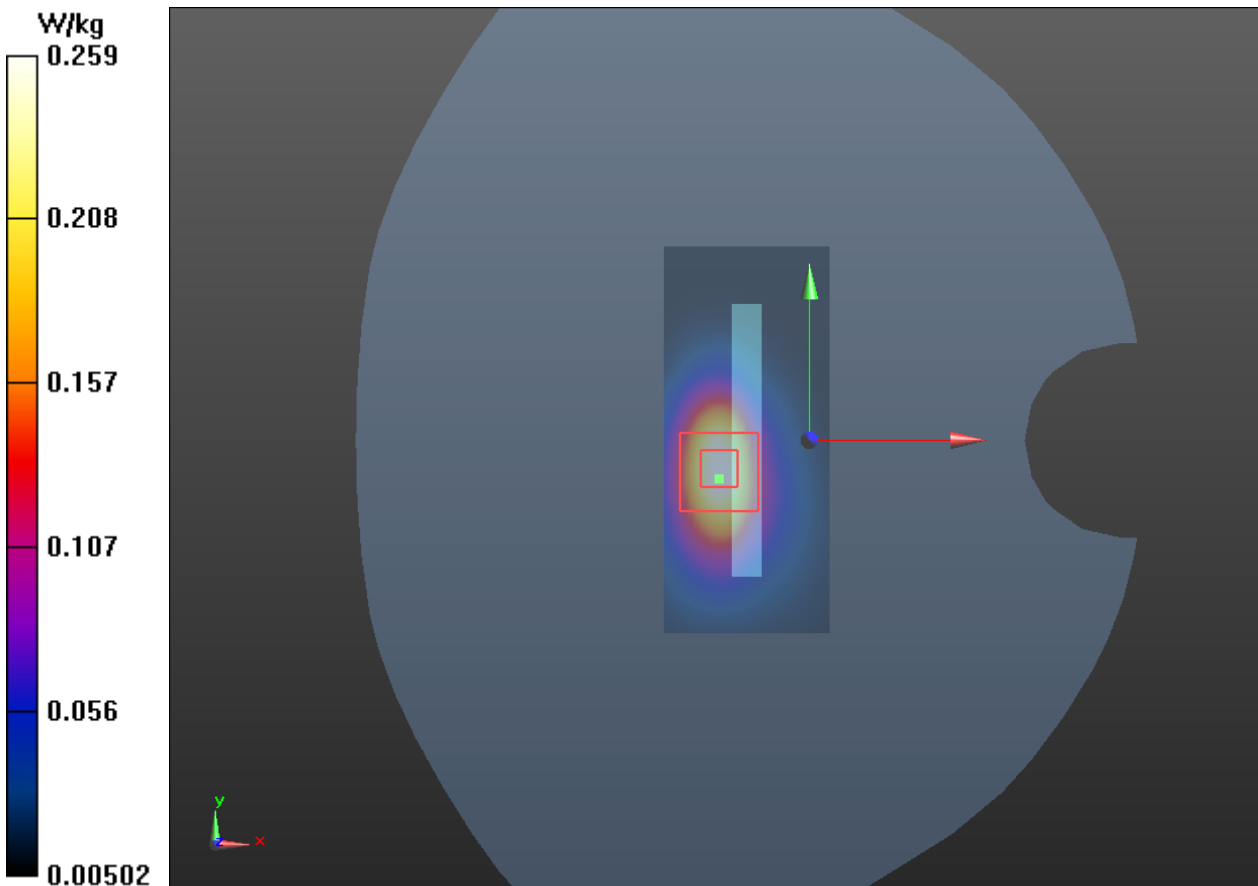
Top Edge Low/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.13 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.396 W/kg

SAR(1 g) = 0.233 W/kg; SAR(10 g) = 0.126 W/kg

Maximum value of SAR (measured) = 0.259 W/kg



Wi-Fi-Antenna

Plot 127 802.11b Left Cheek CH6 (Ant 1-SISO)

Date: 4/29/2019

Communication System: UID 0, 802.11b (0); Frequency: 2437 MHz; Duty Cycle: 1:1.0101

Medium parameters used: $f = 2437$ MHz; $\sigma = 1.833$ S/m; $\epsilon_r = 39.761$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3 °C Liquid Temperature: 21.5 °C

Phantom section: Left Section

DASY5 Configuration:

Sensor-Surface: 4mm (Mechanical Surface Detection)

Probe: EX3DV4 - SN3677; ConvF(7.57, 7.57, 7.57); Calibrated: 5/29/2018;

Electronics: DAE4 SN1291; Calibrated: 12/4/2018

Phantom: SAM1; Type: SAM; Serial: TP-1534

Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Left Tilt CH6 /Area Scan (91x151x1): Interpolated grid: dx=12 mm, dy=12 mm

Maximum value of SAR (interpolated) = 0.289 W/kg

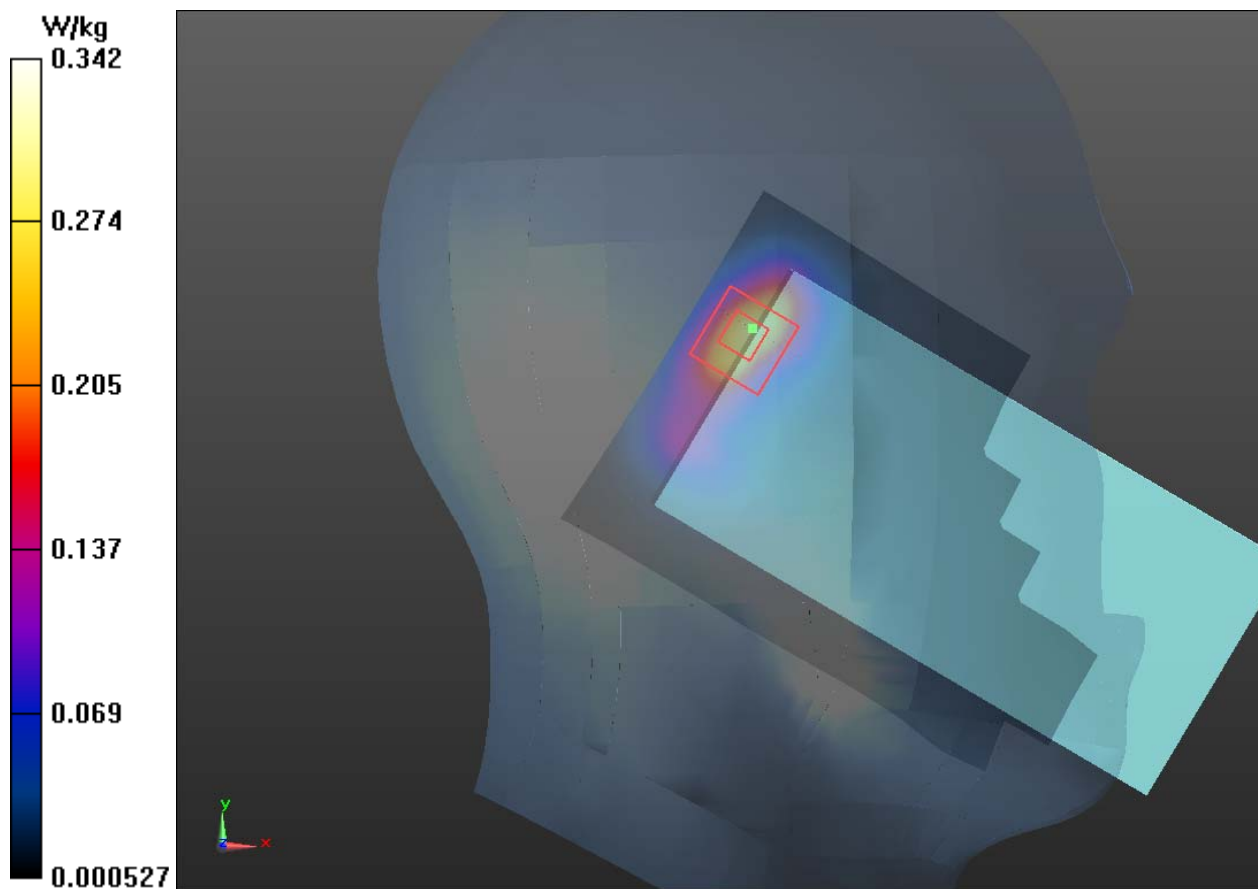
Left Tilt CH6 /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 8.534 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.782 W/kg

SAR(1 g) = 0.301 W/kg; SAR(10 g) = 0.119 W/kg

Maximum value of SAR (measured) = 0.342 W/kg



Plot 128 802.11b Back Side CH6 (Distance 15mm, Ant 1-SISO)

Date: 4/28/2019

Communication System: UID 0, 802.11b (0); Frequency: 2437 MHz; Duty Cycle: 1:1.0101

Medium parameters used: $f = 2437$ MHz; $\sigma = 1.959$ S/m; $\epsilon_r = 51.134$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3 °C Liquid Temperature: 21.5 °C

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 4mm (Mechanical Surface Detection)

Probe: EX3DV4 - SN3677; ConvF(7.53, 7.53, 7.53); Calibrated: 5/29/2018;

Electronics: DAE4 SN1291; Calibrated: 12/4/2018

Phantom: SAM1; Type: SAM; Serial: TP-1534

Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Back Side CH6 /Area Scan (91x151x1): Interpolated grid: dx=12 mm, dy=12 mm

Maximum value of SAR (interpolated) = 0.0989 W/kg

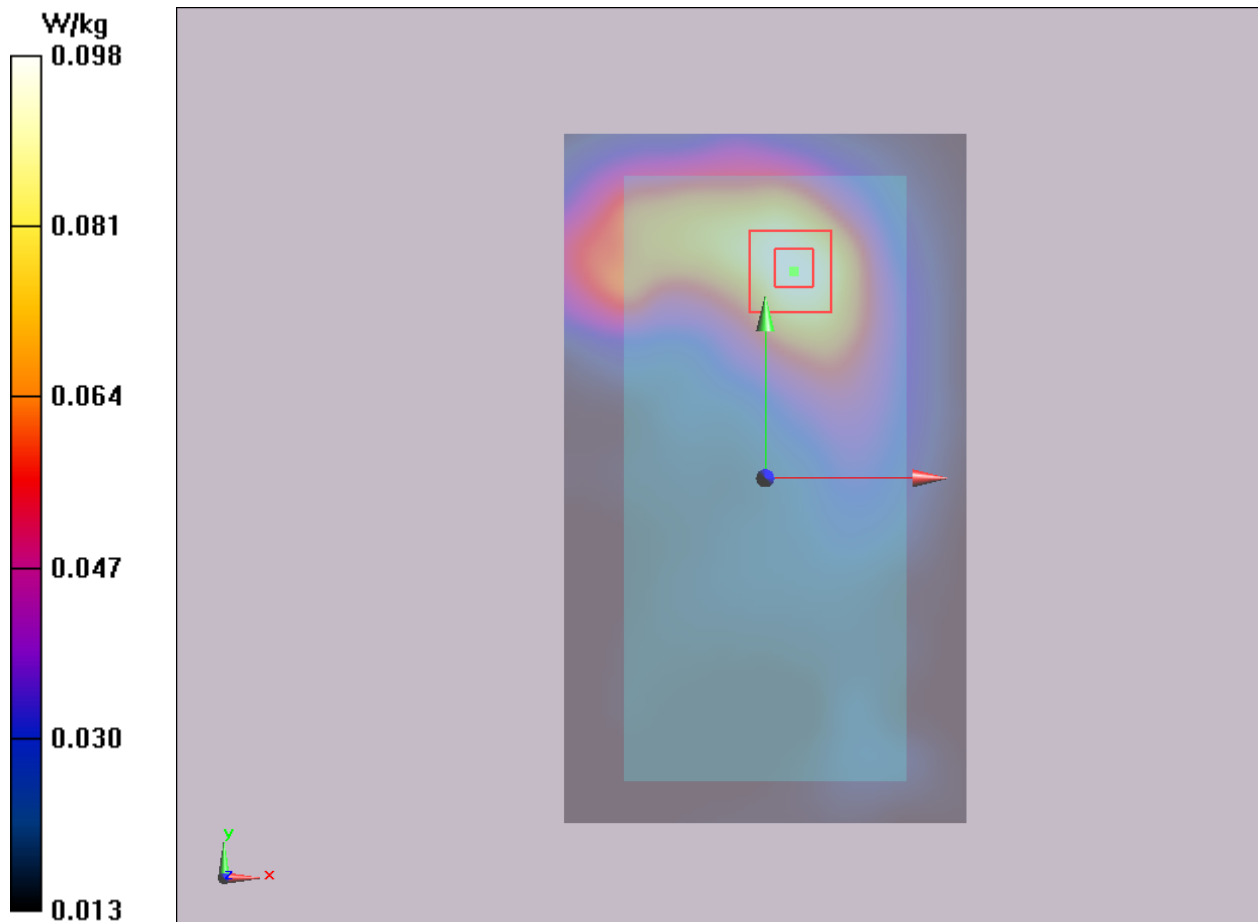
Back Side CH6 /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.366 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.162 W/kg

SAR(1 g) = 0.092 W/kg; SAR(10 g) = 0.057 W/kg

Maximum value of SAR (measured) = 0.0976 W/kg



Plot 129 802.11b Top Edge CH6 (Distance 10mm, Ant 1-SISO)

Date: 4/28/2019

Communication System: UID 0, 802.11b (0); Frequency: 2437 MHz; Duty Cycle: 1:1.0101

Medium parameters used: $f = 2437$ MHz; $\sigma = 1.959$ S/m; $\epsilon_r = 51.134$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3 °C Liquid Temperature: 21.5 °C

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 4mm (Mechanical Surface Detection)

Probe: EX3DV4 - SN3677; ConvF(7.53, 7.53, 7.53); Calibrated: 5/29/2018;

Electronics: DAE4 SN1291; Calibrated: 12/4/2018

Phantom: SAM1; Type: SAM; Serial: TP-1534

Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Top Edge CH6 /Area Scan (51x111x1): Interpolated grid: dx=10 mm, dy=10 mm

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

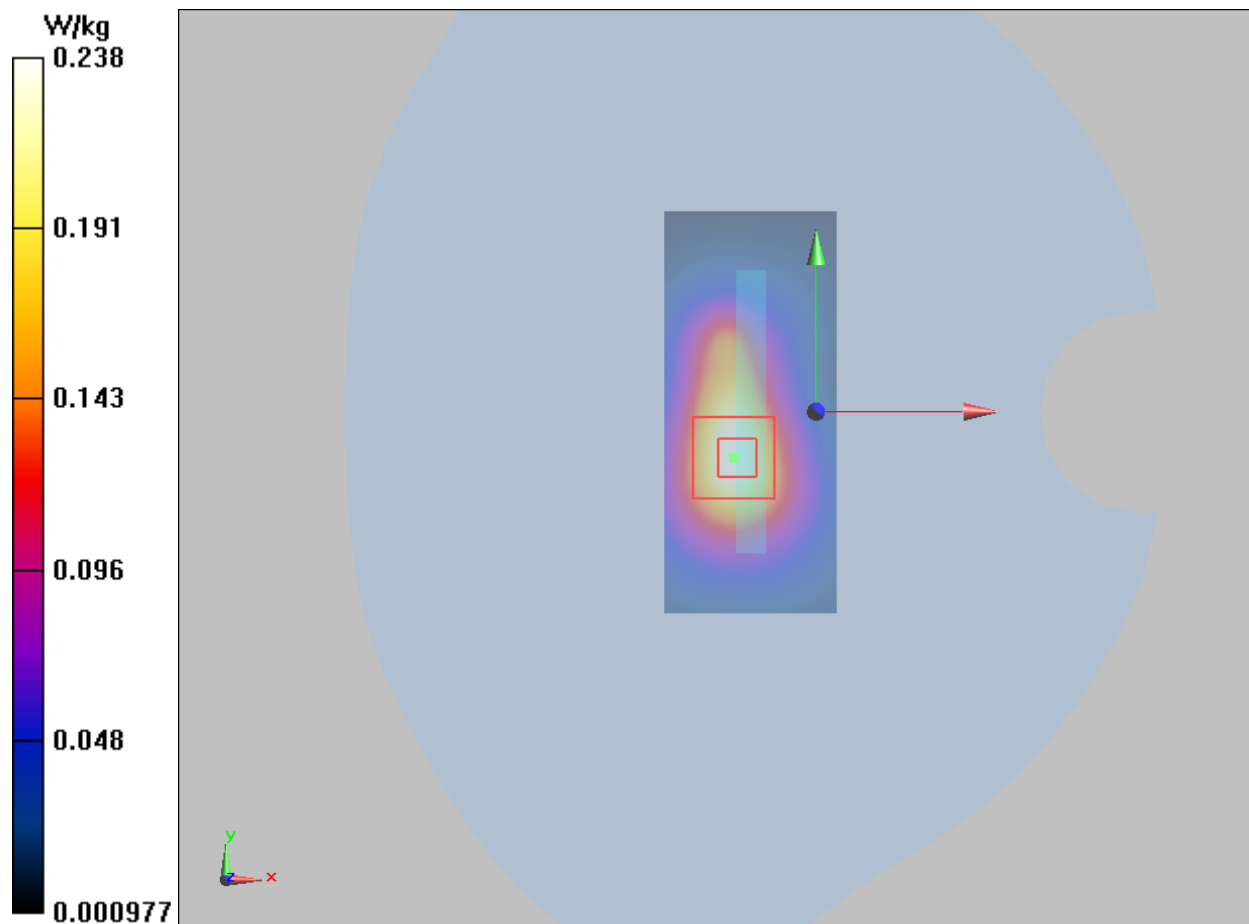
Top Edge CH6 /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 9.808 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.432 W/kg

SAR(1 g) = 0.217 W/kg; SAR(10 g) = 0.112 W/kg

Maximum value of SAR (measured) = 0.238 W/kg



Plot 130 802.11b Left Cheek CH1 (Ant 2-SISO)

Date: 4/29/2019

Communication System: UID 0, 802.11b (0); Frequency: 2412 MHz; Duty Cycle: 1:1.0012

Medium parameters used: $f = 2412$ MHz; $\sigma = 1.817$ S/m; $\epsilon_r = 38.843$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3 °C Liquid Temperature: 21.5 °C

Phantom section: Left Section

DASY5 Configuration:

Sensor-Surface: 4mm (Mechanical Surface Detection)

Probe: EX3DV4 - SN3677; ConvF(7.57, 7.57, 7.57); Calibrated: 5/29/2018;

Electronics: DAE4 SN1291; Calibrated: 12/4/2018

Phantom: SAM1; Type: SAM; Serial: TP-1534

Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Left Cheek CH1 /Area Scan (91x151x1): Interpolated grid: dx=12 mm, dy=12 mm

Maximum value of SAR (interpolated) = 0.133 W/kg

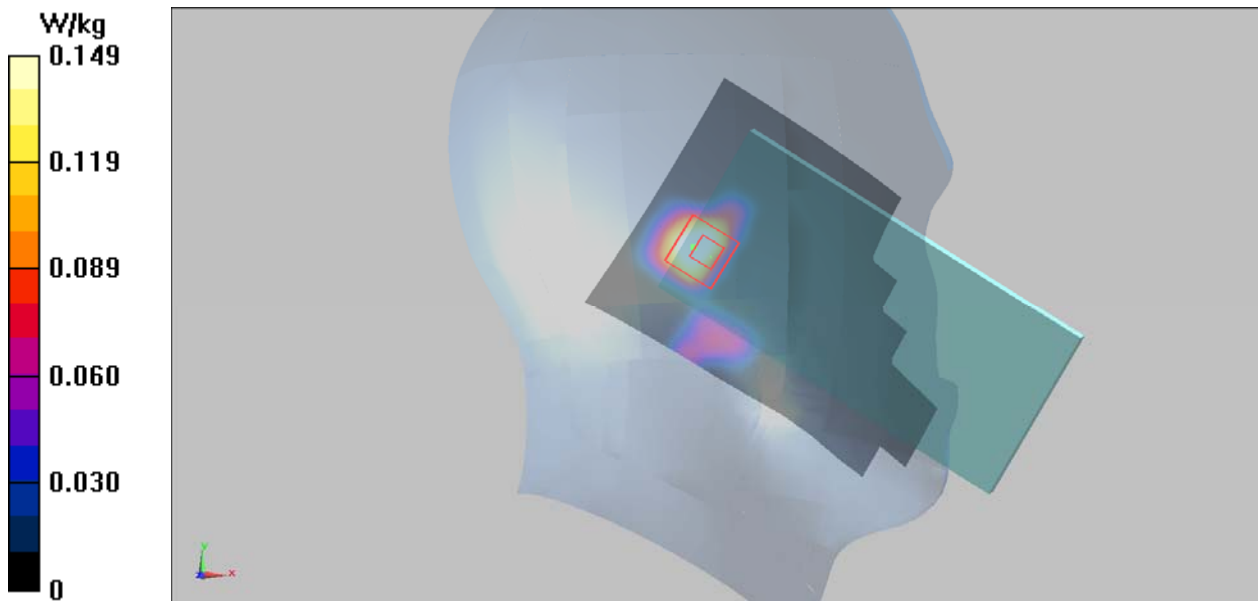
Left Cheek CH1 /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 1.406 V/m; Power Drift = 0.021 dB

Peak SAR (extrapolated) = 0.0360 W/kg

SAR(1 g) = 0.091 W/kg; SAR(10 g) = 0.00801 W/kg

Maximum value of SAR (measured) = 0.149 W/kg



Plot 131 802.11b Back Side CH9(Distance 15mm, Ant 2-SISO)

Date: 4/28/2019

Communication System: UID 0, 802.11b (0); Frequency: 2452 MHz;Duty Cycle: 1:1.0101

Medium parameters used: f = 2452 MHz; $\sigma = 1.978$ S/m; $\epsilon_r = 51.089$; $\rho = 1000$ kg/m³

Ambient Temperature:22.3 °C Liquid Temperature: 21.5°C

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 4mm (Mechanical Surface Detection)

Probe: EX3DV4 - SN3677; ConvF(7.53, 7.53, 7.53); Calibrated: 5/29/2018;

Electronics: DAE4 SN1291; Calibrated: 12/4/2018

Phantom: SAM1; Type: SAM; Serial: TP-1534

Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Back Side CH9 /Area Scan (91x151x1): Interpolated grid: dx=12 mm, dy=12 mm

Maximum value of SAR (interpolated) = 0.0552 W/kg

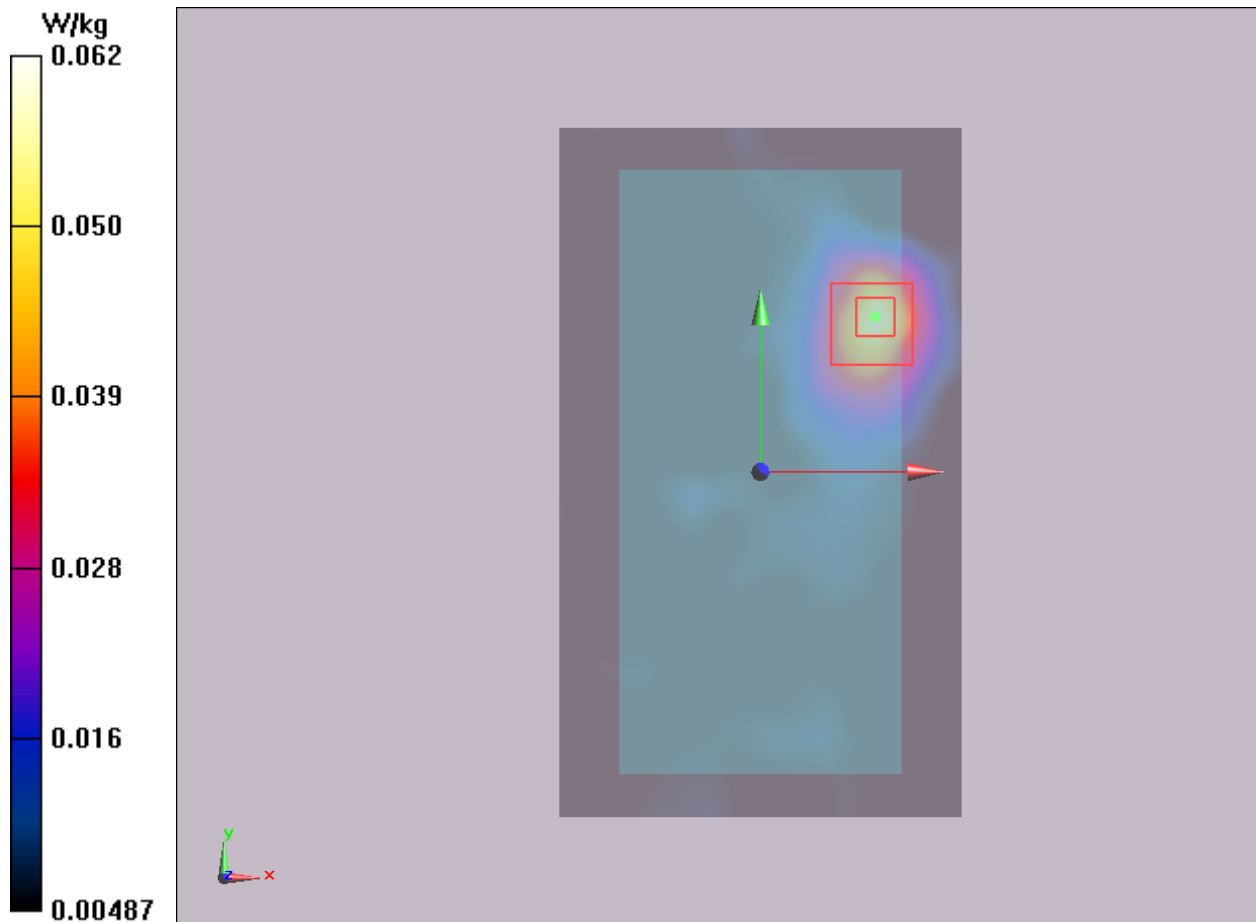
Back Side CH9 /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 1.655 V/m; Power Drift = 0.034 dB

Peak SAR (extrapolated) = 0.122 W/kg

SAR(1 g) = 0.057 W/kg; SAR(10 g) = 0.029 W/kg

Maximum value of SAR (measured) = 0.0615 W/kg



Plot 132 802.11b Back Side CH9 (Distance 10mm, Ant 2-SISO)

Date: 4/28/2019

Communication System: UID 0, 802.11b (0); Frequency: 2452 MHz; Duty Cycle: 1:1.0101

Medium parameters used: $f = 2452$ MHz; $\sigma = 1.978$ S/m; $\epsilon_r = 51.089$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3 °C Liquid Temperature: 21.5 °C

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 4mm (Mechanical Surface Detection)

Probe: EX3DV4 - SN3677; ConvF(7.53, 7.53, 7.53); Calibrated: 5/29/2018;

Electronics: DAE4 SN1291; Calibrated: 12/4/2018

Phantom: SAM1; Type: SAM; Serial: TP-1534

Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Back Side CH9 /Area Scan (91x151x1): Interpolated grid: dx=12 mm, dy=12 mm

Maximum value of SAR (interpolated) = 0.189W/kg

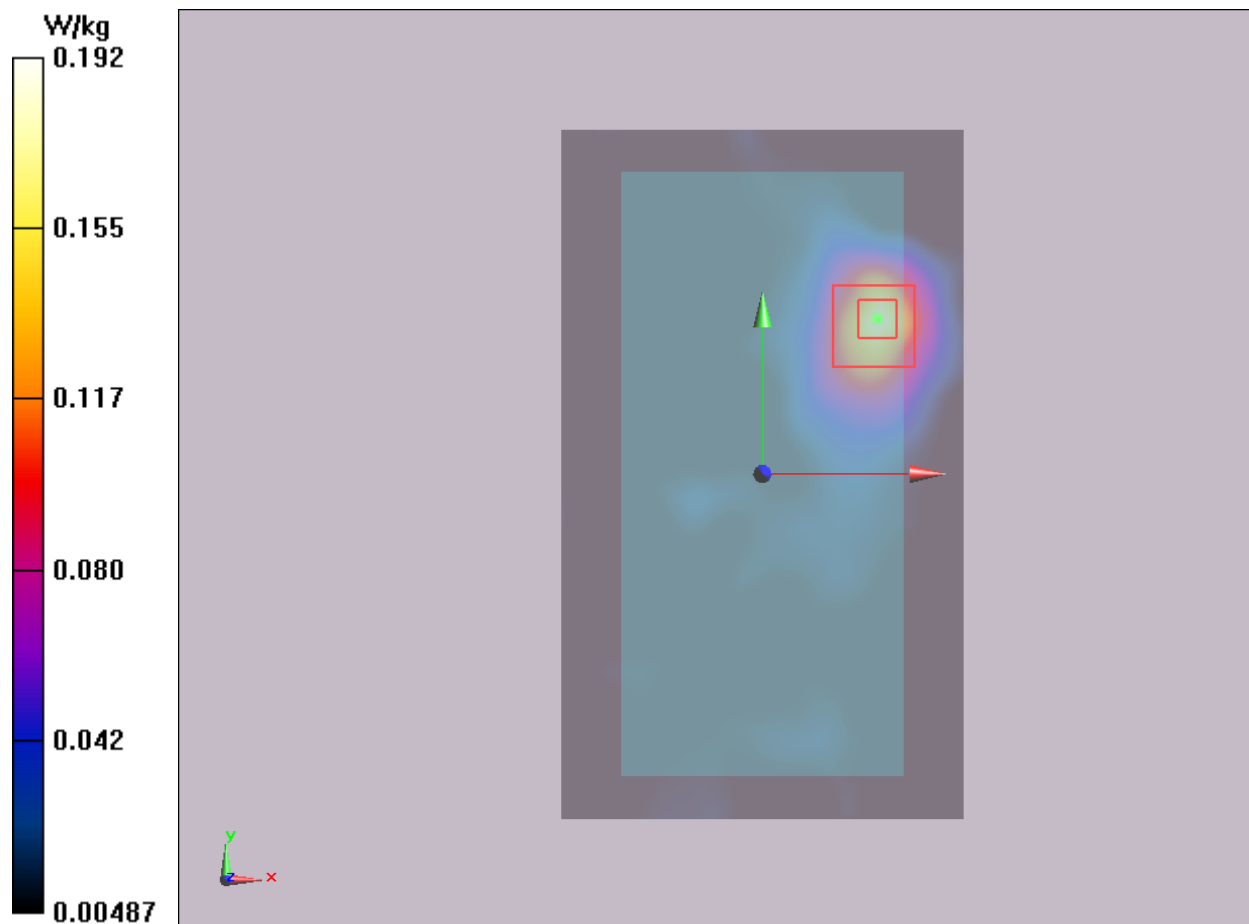
Back Side CH9 /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 1.655 V/m; Power Drift = 0.027 dB

Peak SAR (extrapolated) = 0.561 W/kg

SAR(1 g) = 0.165 W/kg; SAR(10 g) = 0.069 W/kg

Maximum value of SAR (measured) = 0.192W/kg



Plot 133 802.11n HT40 Left Tilt CH6 (Ant 1-MIMO)

Date: 4/29/2019

Communication System: UID 0, 802.11n(40M) (0); Frequency: 2437 MHz; Duty Cycle: 1:1.02775

Medium parameters used: $f = 2437$ MHz; $\sigma = 1.833$ S/m; $\epsilon_r = 39.761$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3 °C Liquid Temperature: 21.5 °C

Phantom section: Left Section

DASY5 Configuration:

Sensor-Surface: 4mm (Mechanical Surface Detection)

Probe: EX3DV4 - SN3677; ConvF(7.57, 7.57, 7.57); Calibrated: 5/29/2018;

Electronics: DAE4 SN1291; Calibrated: 12/4/2018

Phantom: SAM1; Type: SAM; Serial: TP-1534

Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Left Tilt CH6 /Area Scan (91x151x1): Interpolated grid: dx=12 mm, dy=12 mm

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

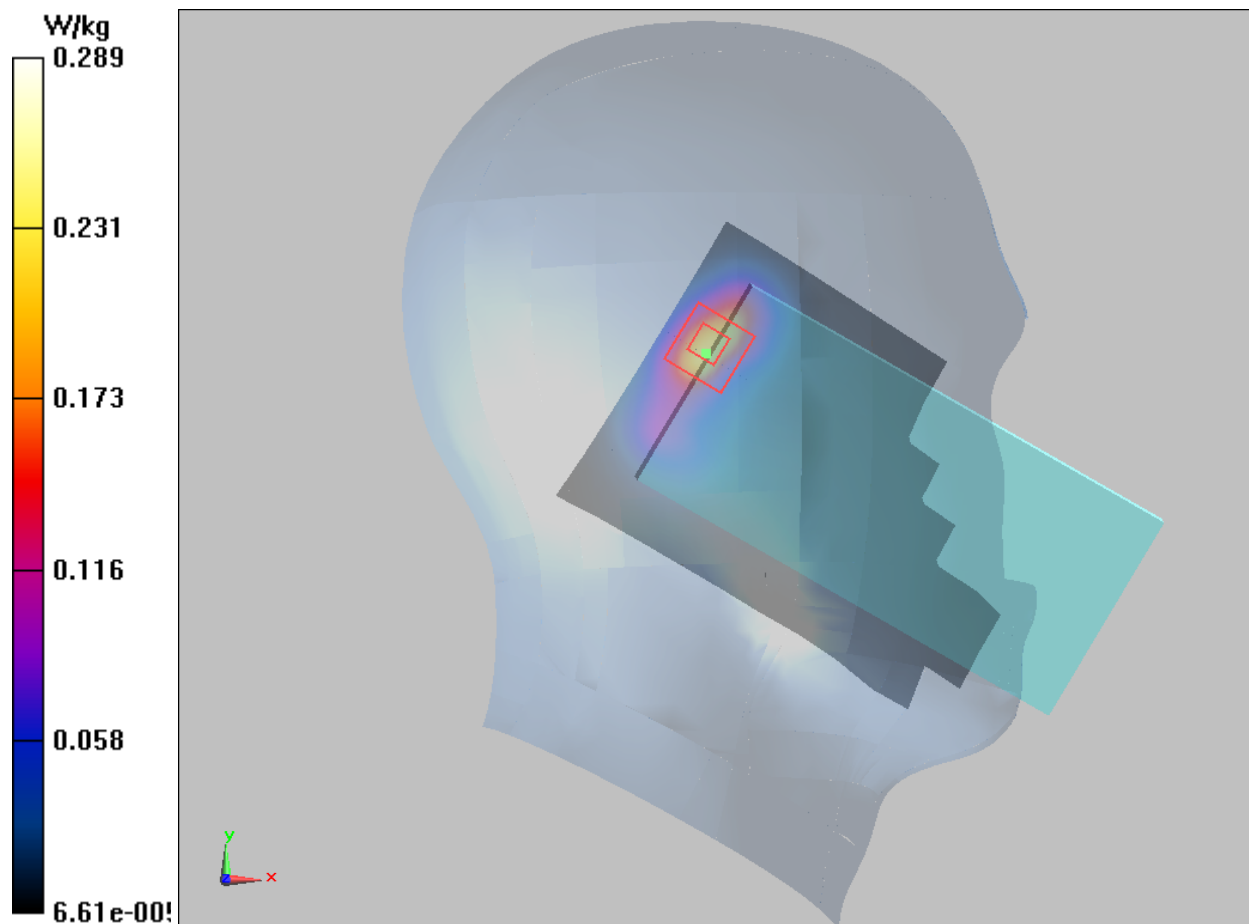
Left Tilt CH6 /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 8.286 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.688 W/kg

SAR(1 g) = 0.264 W/kg; SAR(10 g) = 0.105 W/kg

Maximum value of SAR (measured) = 0.289 W/kg



Plot 134 802.11g Front Side CH6(Distance 15mm, Ant 1- MIMO)

Date: 4/28/2019

Communication System: UID 0, 802.11g (0); Frequency: 2437 MHz;Duty Cycle: 1:1.0091

Medium parameters used: $f = 2437$ MHz; $\sigma = 1.959$ S/m; $\epsilon_r = 51.134$; $\rho = 1000$ kg/m³

Ambient Temperature:22.3 °C Liquid Temperature: 21.5°C

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 4mm (Mechanical Surface Detection)

Probe: EX3DV4 - SN3677; ConvF(7.53, 7.53, 7.53); Calibrated: 5/29/2018;

Electronics: DAE4 SN1291; Calibrated: 12/4/2018

Phantom: SAM1; Type: SAM; Serial: TP-1534

Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Front Side CH6 /Area Scan (91x151x1): Interpolated grid: dx=12 mm, dy=12 mm

Maximum value of SAR (interpolated) = 0.0757 W/kg

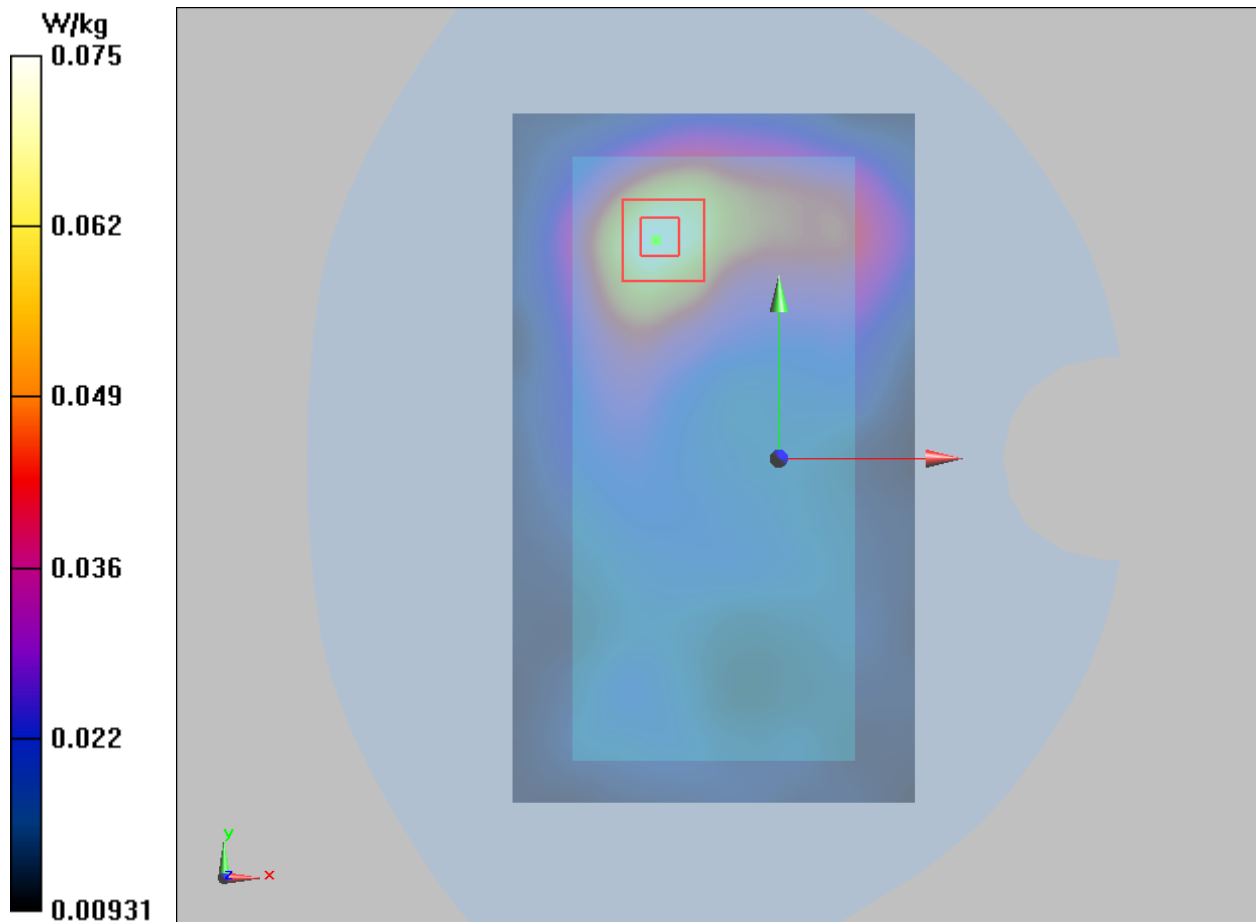
Front Side CH6 /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.961 V/m; Power Drift = 0.075 dB

Peak SAR (extrapolated) = 0.120 W/kg

SAR(1 g) = 0.069 W/kg; SAR(10 g) = 0.043 W/kg

Maximum value of SAR (measured) = 0.0748 W/kg



Plot 135 802.11g Top Edge CH6 (Distance 0mm, Ant 1- MIMO)

Date: 4/28/2019

Communication System: UID 0, 802.11g (0); Frequency: 2437 MHz; Duty Cycle: 1:1.0091

Medium parameters used: $f = 2437$ MHz; $\sigma = 1.959$ S/m; $\epsilon_r = 51.134$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3 °C Liquid Temperature: 21.5 °C

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 4mm (Mechanical Surface Detection)

Probe: EX3DV4 - SN3677; ConvF(7.53, 7.53, 7.53) @ 2437 MHz; Calibrated: 2018/5/29

Electronics: DAE4 SN1291; Calibrated: 12/4/2018

Phantom: SAM1; Type: SAM; Serial: TP-1534

Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Top Edge CH6 /Area Scan (51x111x1): Interpolated grid: dx=10 mm, dy=10 mm

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

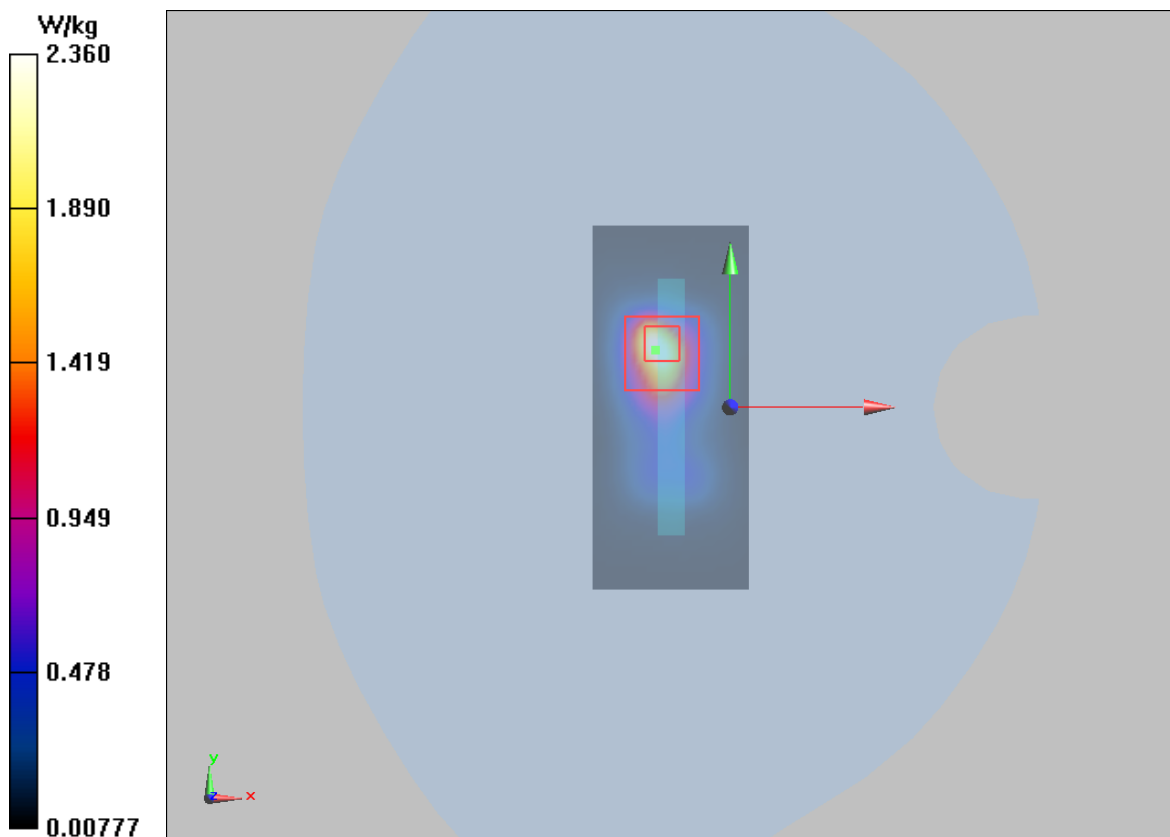
Top Edge CH6 /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 20.85 V/m; Power Drift = 0.030 dB

Peak SAR (extrapolated) = 6.73 W/kg

SAR(1 g) = 2.14 W/kg; SAR(10 g) = 0.761 W/kg

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



Plot 136 802.11n HT40 Left Cheek CH5(Ant 2-MIMO)

Date: 4/29/2019

Communication System: UID 0, 802.11n(40M) (0); Frequency: 2437 MHz;Duty Cycle: 1:1.0277

Medium parameters used: $f = 2437$ MHz; $\sigma = 1.833$ S/m; $\epsilon_r = 39.761$; $\rho = 1000$ kg/m³

Ambient Temperature:22.3 °C Liquid Temperature: 21.5°C

Phantom section: Left Section

DASY5 Configuration:

Sensor-Surface: 4mm (Mechanical Surface Detection)

Probe: EX3DV4 - SN3677; ConvF(7.57, 7.57, 7.57); Calibrated: 5/29/2018;

Electronics: DAE4 SN1291; Calibrated: 12/4/2018

Phantom: SAM1; Type: SAM; Serial: TP-1534

Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Left Cheek CH5 /Area Scan (91x151x1): Interpolated grid: dx=12 mm, dy=12 mm

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

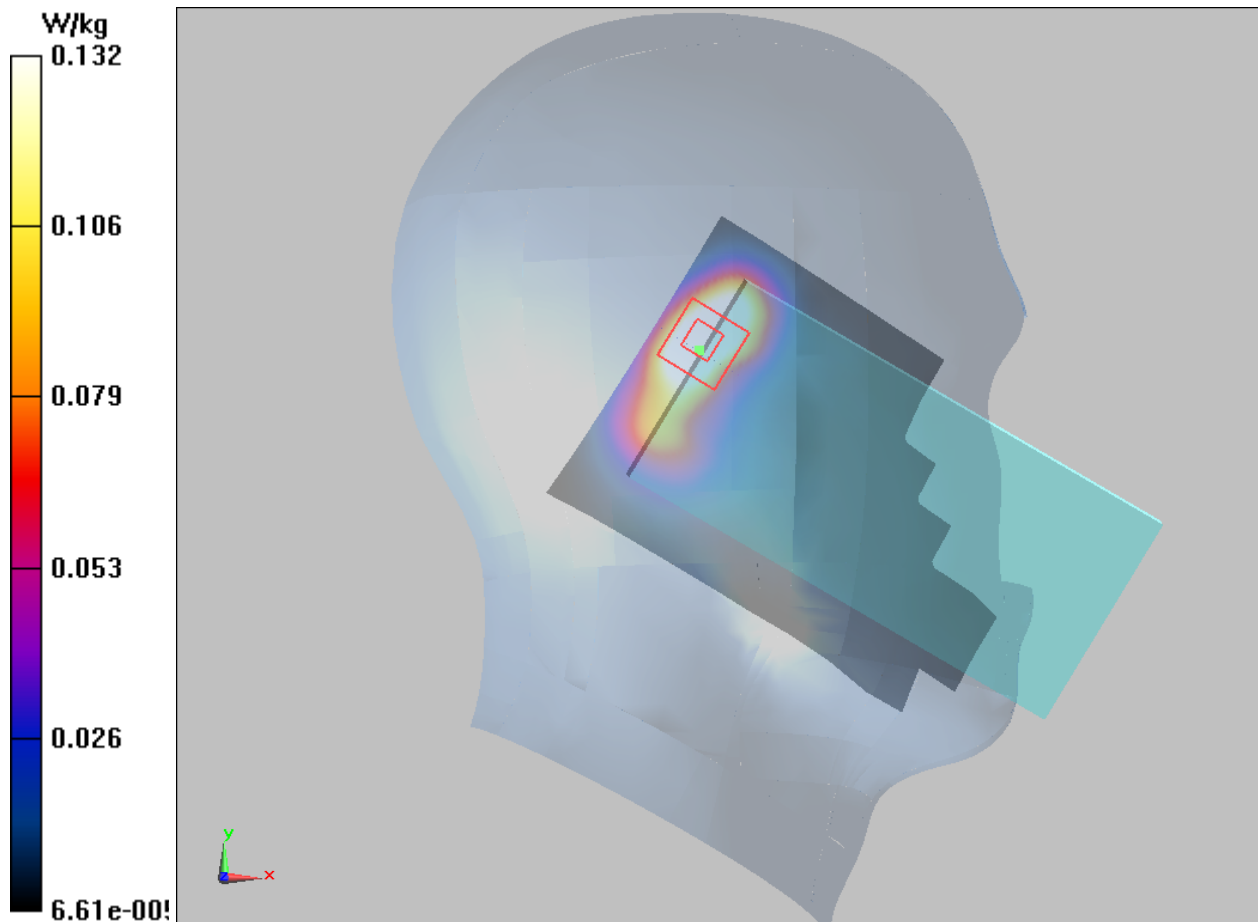
Left Cheek CH5 /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 8.286 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.588 W/kg

SAR(1 g) = 0.081 W/kg; SAR(10 g) = 0.034 W/kg

Maximum value of SAR (measured) = 0.132 W/kg



Plot 137 802.11g Back Side CH6 (Distance 15mm, Ant 2- MIMO)

Date: 4/28/2019

Communication System: UID 0, 802.11g (0); Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2437$ MHz; $\sigma = 1.959$ S/m; $\epsilon_r = 51.134$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3 °C Liquid Temperature: 21.5 °C

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 4mm (Mechanical Surface Detection)

Probe: EX3DV4 - SN3677; ConvF(7.53, 7.53, 7.53); Calibrated: 5/29/2018;

Electronics: DAE4 SN1291; Calibrated: 12/4/2018

Phantom: SAM1; Type: SAM; Serial: TP-1534

Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Back Side CH6 /Area Scan (91x151x1): Interpolated grid: dx=12 mm, dy=12 mm

Maximum value of SAR (interpolated) = 0.049 W/kg

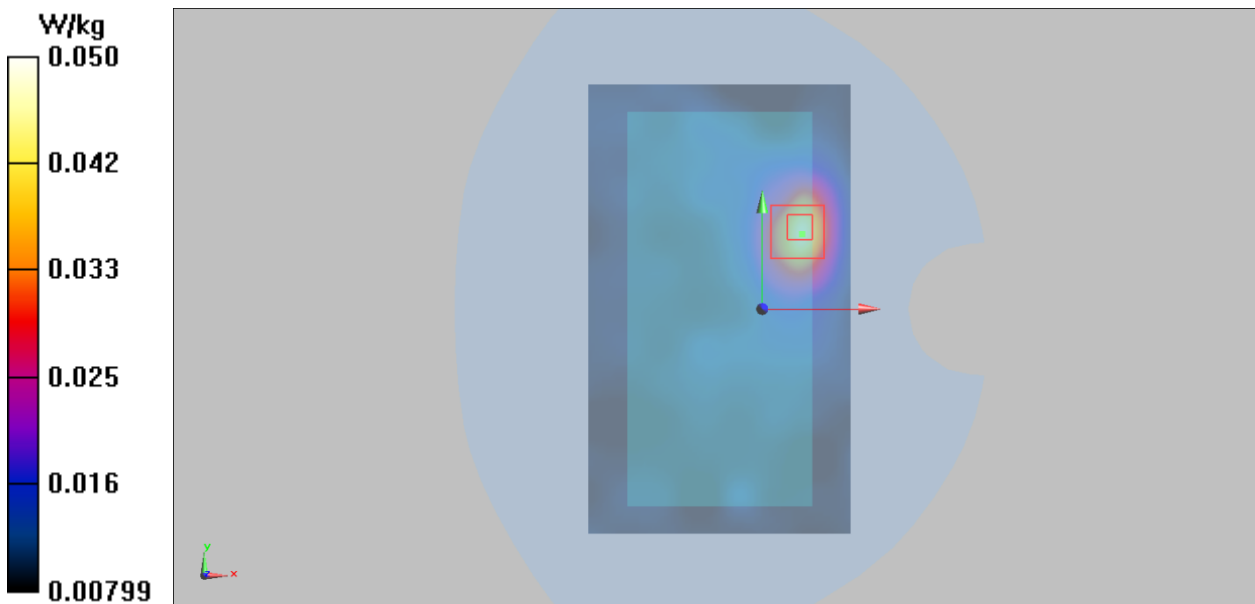
Back Side CH6 /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 1.949 V/m; Power Drift = 0.025 dB

Peak SAR (extrapolated) = 0.101 W/kg

SAR(1 g) = 0.047 W/kg; SAR(10 g) = 0.027 W/kg

Maximum value of SAR (measured) = 0.050 W/kg



Plot 138 802.11g Back Side CH6 (Distance 0mm, Ant 2- MIMO)

Date: 4/28/2019

Communication System: UID 0, 802.11g (0); Frequency: 2437 MHz; Duty Cycle: 1:1.0091

Medium parameters used: $f = 2437$ MHz; $\sigma = 1.959$ S/m; $\epsilon_r = 51.134$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3 °C Liquid Temperature: 21.5 °C

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 4mm (Mechanical Surface Detection)

Probe: EX3DV4 - SN3677; ConvF(7.53, 7.53, 7.53); Calibrated: 5/29/2018;

Electronics: DAE4 SN1291; Calibrated: 12/4/2018

Phantom: SAM1; Type: SAM; Serial: TP-1534

Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Back Side CH6 /Area Scan (91x151x1): Interpolated grid: dx=12 mm, dy=12 mm

Maximum value of SAR (interpolated) = 0.981 W/kg

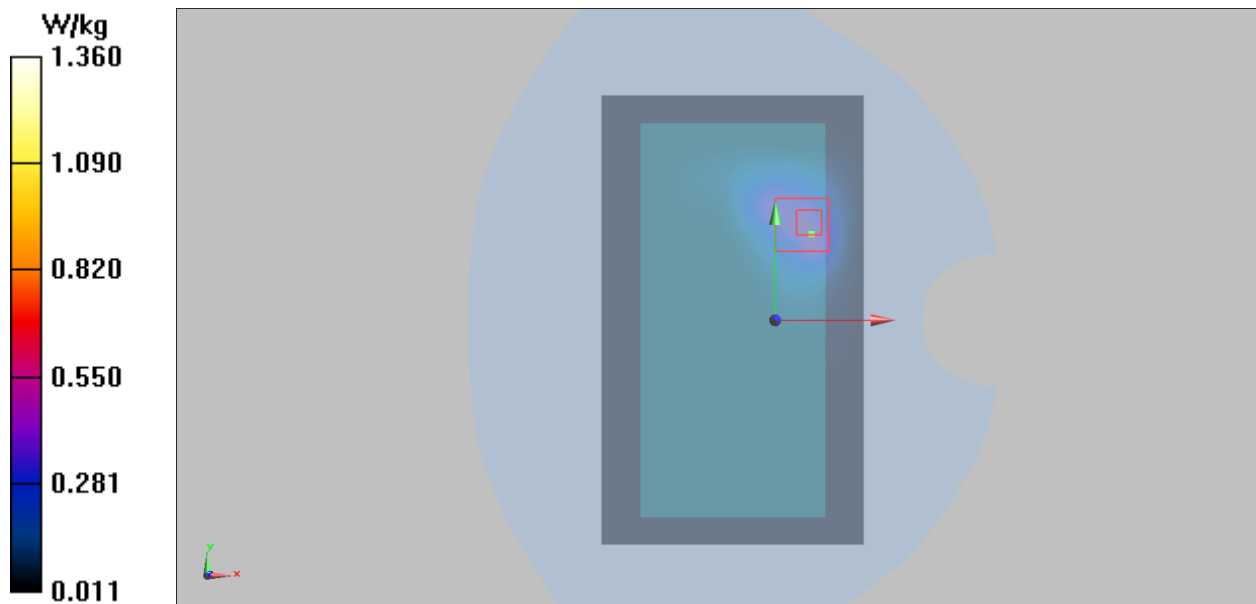
Back Side CH6 /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.913 V/m; Power Drift = -0.036 dB

Peak SAR (extrapolated) = 2.40 W/kg

SAR(1 g) = 0.918 W/kg; SAR(10 g) = 0.335 W/kg

Maximum value of SAR (measured) = 1.360 W/kg



Plot 139 802.11a U-NII-1 Top Edge CH44 (Distance 10mm, Ant 1-SISO)

Date: 4/30/2019

Communication System: UID 0, 802.11a (0); Frequency: 5220 MHz; Duty Cycle: 1:1.008

Medium parameters used: $f = 5220$ MHz; $\sigma = 5.368$ S/m; $\epsilon_r = 46.801$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3 °C Liquid Temperature: 21.5 °C

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 - SN3677; ConvF(5.04, 5.04, 5.04); Calibrated: 5/29/2018;

Electronics: DAE4 SN1291; Calibrated: 12/4/2018

Phantom: SAM1; Type: SAM; Serial: TP-1534

Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Top Edge CH44/Area Scan (51x111x1): Interpolated grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.259 W/kg

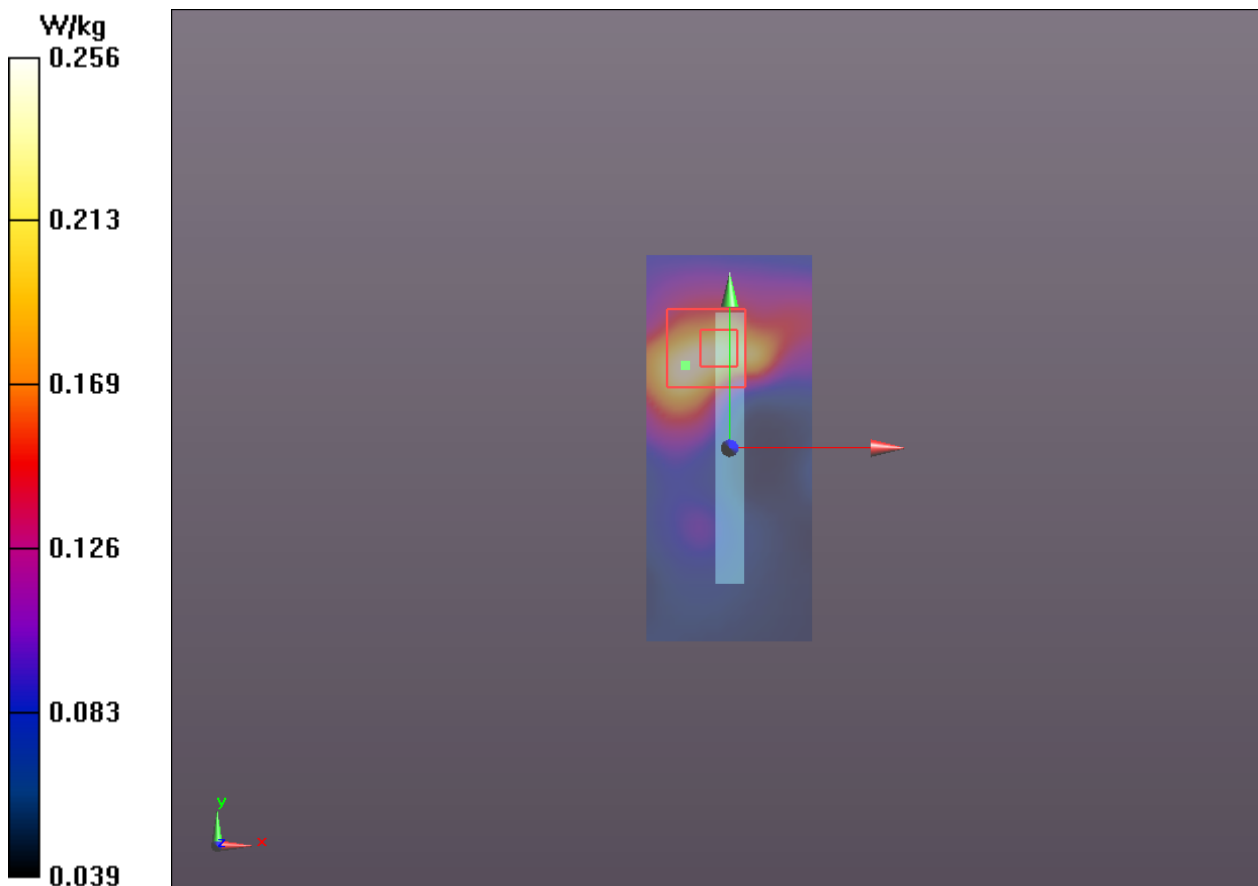
Top Edge CH44/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 4.162 V/m; Power Drift = -0.040 dB

Peak SAR (extrapolated) = 0.559 W/kg

SAR(1 g) = 0.238 W/kg; SAR(10 g) = 0.117 W/kg

Maximum value of SAR (measured) = 0.256 W/kg



Plot 140 802.11n HT40 U-NII-2A Left Tilt CH54 (Ant 1-SISO)

Date: 4/19/2019

Communication System: UID 0, 802.11n HT40 (0); Frequency: 5270MHz; Duty Cycle: 1:1.0209

Medium parameters used: $f = 5270\text{MHz}$; $\sigma = 5.446\text{ S/m}$; $\epsilon_r = 35.349$; $\rho = 1000\text{ kg/m}^3$

Ambient Temperature: $22.3\text{ }^\circ\text{C}$ Liquid Temperature: $21.5\text{ }^\circ\text{C}$

Phantom section: Left Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 - SN3677; ConvF(5.60, 5.60, 5.60); Calibrated: 5/29/2018;

Electronics: DAE4 SN1291; Calibrated: 12/4/2018

Phantom: SAM1; Type: SAM; Serial: TP-1534

Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Left Tilt CH54/Area Scan (111x201x1): Interpolated grid: $dx=10\text{ mm}$, $dy=10\text{ mm}$

Maximum value of SAR (interpolated) = 0.305 W/kg

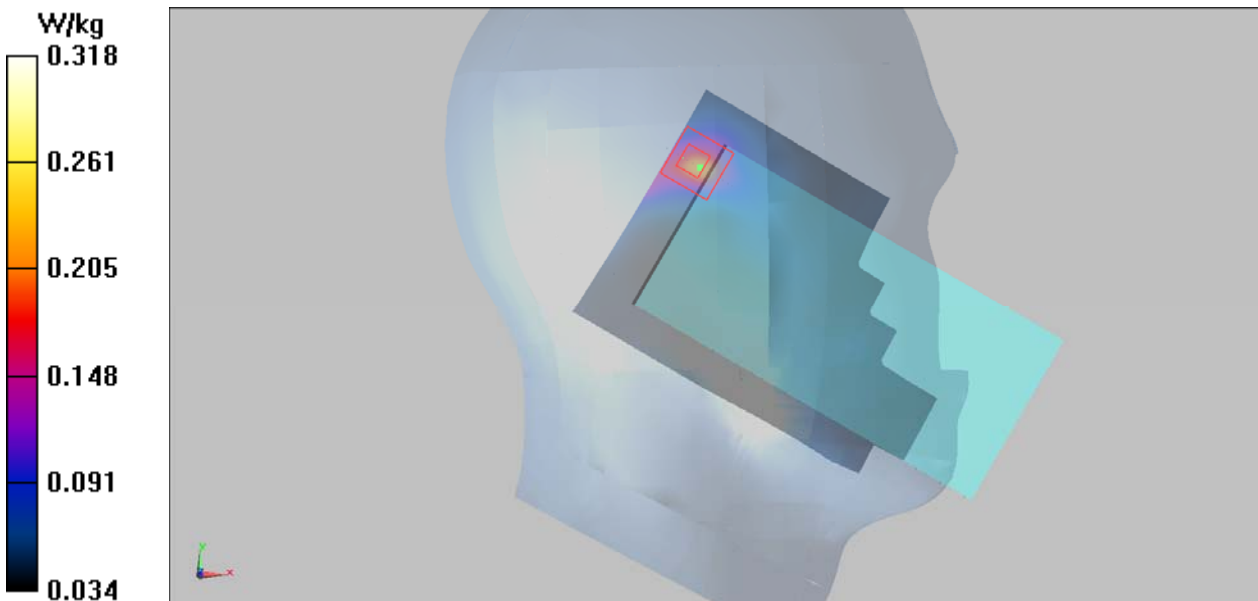
Left Tilt CH54/Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2\text{mm}$

Reference Value = 2.837 V/m ; Power Drift = 0.136 dB

Peak SAR (extrapolated) = 0.728 W/kg

SAR(1 g) = 0.272 W/kg ; SAR(10 g) = 0.122 W/kg

Maximum value of SAR (measured) = 0.318 W/kg



Plot 141 802.11a U-NII-2A Back Side CH52 (Distance 15mm, Ant 1-SISO)

Date: 4/30/2019

Communication System: UID 0, 802.11a (0); Frequency: 5260 MHz; Duty Cycle: 1:1.008

Medium parameters used: $f = 5260$ MHz; $\sigma = 5.416$ S/m; $\epsilon_r = 49.162$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3 °C Liquid Temperature: 21.5 °C

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 - SN3677; ConvF(5.04, 5.04, 5.04); Calibrated: 5/29/2018;

Electronics: DAE4 SN1291; Calibrated: 12/4/2018

Phantom: SAM1; Type: SAM; Serial: TP-1534

Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Back Side CH52/Area Scan (111x181x1): Interpolated grid: dx=10 mm, dy=10 mm

Maximum value of SAR (interpolated) = 0.051 W/kg

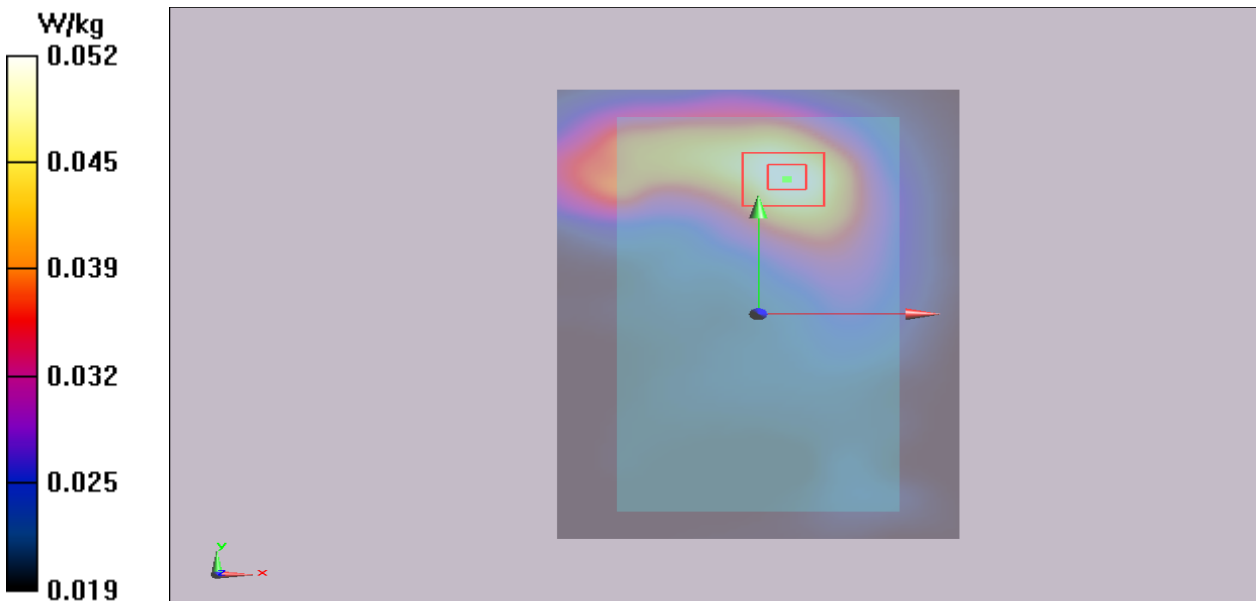
Back Side CH52/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 2.480 V/m; Power Drift = 0.037 dB

Peak SAR (extrapolated) = 0.0890 W/kg

SAR(1 g) = 0.049 W/kg; SAR(10 g) = 0.036 W/kg

Maximum value of SAR (measured) = 0.052 W/kg



Plot 142 802.11a U-NII-2A Top Edge CH52 (Distance 0mm, Ant 1-SISO)

Date: 4/30/2019

Communication System: UID 0, 802.11a (0); Frequency: 5260 MHz; Duty Cycle: 1:1.008

Medium parameters used: $f = 5260 \text{ MHz}$; $\sigma = 5.435 \text{ S/m}$; $\epsilon_r = 46.681$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature: $22.3 \text{ }^\circ\text{C}$ Liquid Temperature: $21.5 \text{ }^\circ\text{C}$

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 - SN3677; ConvF(5.04, 5.04, 5.04); Calibrated: 5/29/2018;

Electronics: DAE4 SN1291; Calibrated: 12/4/2018

Phantom: SAM1; Type: SAM; Serial: TP-1534

Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Top Edge CH52/Area Scan (111x181x1): Interpolated grid: $dx=10 \text{ mm}$, $dy=10 \text{ mm}$

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

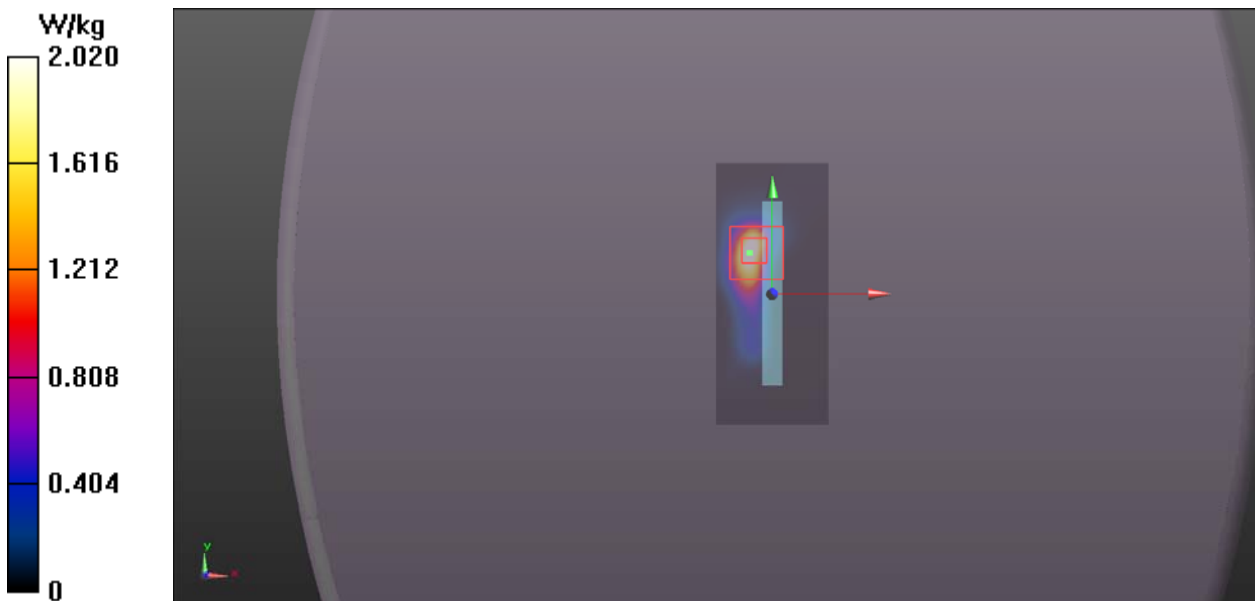
Top Edge CH52/Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2\text{mm}$

Reference Value = 6.088 V/m ; Power Drift = 0.026 dB

Peak SAR (extrapolated) = 4.10 W/kg

SAR(1 g) = 1.37 W/kg ; SAR(10 g) = 0.391 W/kg

Maximum value of SAR (measured) = 2.02 W/kg



Plot 143 802.11n HT40 U-NII-2C Left Tilt CH118 (Ant 1-SISO)

Date: 4/22/2019

Communication System: UID 0, 802.11n HT40 (0); Frequency: 5590 MHz; Duty Cycle: 1:1.0209

Medium parameters used: $f = 5590$ MHz; $\sigma = 5.303$ S/m; $\epsilon_r = 35.636$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3 °C Liquid Temperature: 21.5 °C

Phantom section: Left Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 - SN3677; ConvF(4.87, 4.87, 4.87); Calibrated: 5/29/2018;

Electronics: DAE4 SN1291; Calibrated: 12/4/2018

Phantom: SAM1; Type: SAM; Serial: TP-1534

Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Left Tilt CH118/Area Scan (111x201x1): Interpolated grid: dx=10 mm, dy=10 mm

Maximum value of SAR (interpolated) = 0.689 W/kg

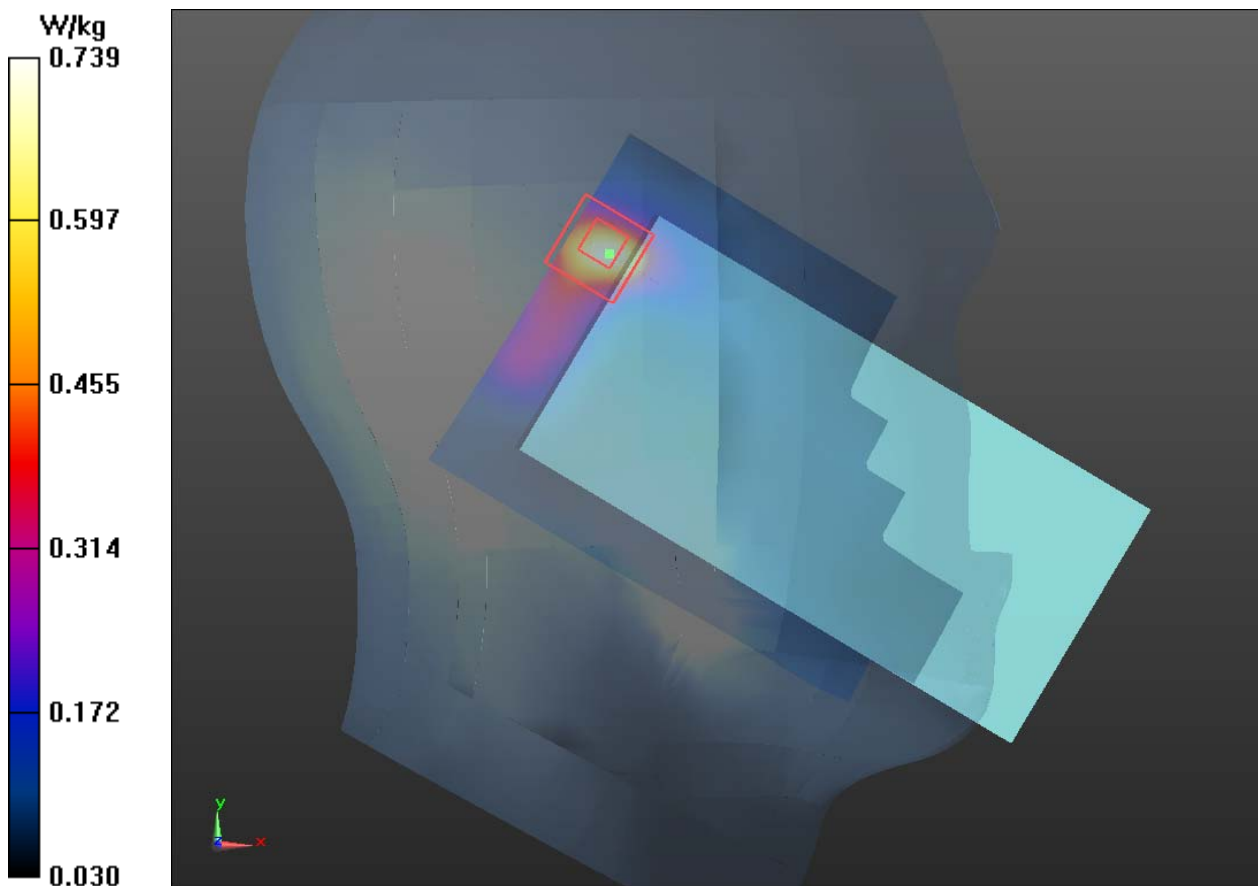
Left Tilt CH118/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 5.083 V/m; Power Drift = 0.032 dB

Peak SAR (extrapolated) = 2.06 W/kg

SAR(1 g) = 0.453 W/kg; SAR(10 g) = 0.259 W/kg

Maximum value of SAR (measured) = 0.739 W/kg



Plot 144 802.11a U-NII-2C Back Side CH116 (Distance 15mm, Ant 1-SISO)

Date: 4/30/2019

Communication System: UID 0, 802.11a (0); Frequency: 5580 MHz; Duty Cycle: 1:1.008

Medium parameters used: $f = 5580$ MHz; $\sigma = 5.931$ S/m; $\epsilon_r = 48.285$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3 °C Liquid Temperature: 21.5 °C

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 - SN3677; ConvF(4.27, 4.27, 4.27); Calibrated: 5/29/2018;

Electronics: DAE4 SN1291; Calibrated: 12/4/2018

Phantom: SAM1; Type: SAM; Serial: TP-1534

Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Back Side CH116/Area Scan (111x181x1): Interpolated grid: dx=10 mm, dy=10 mm

Maximum value of SAR (interpolated) = 0.082 W/kg

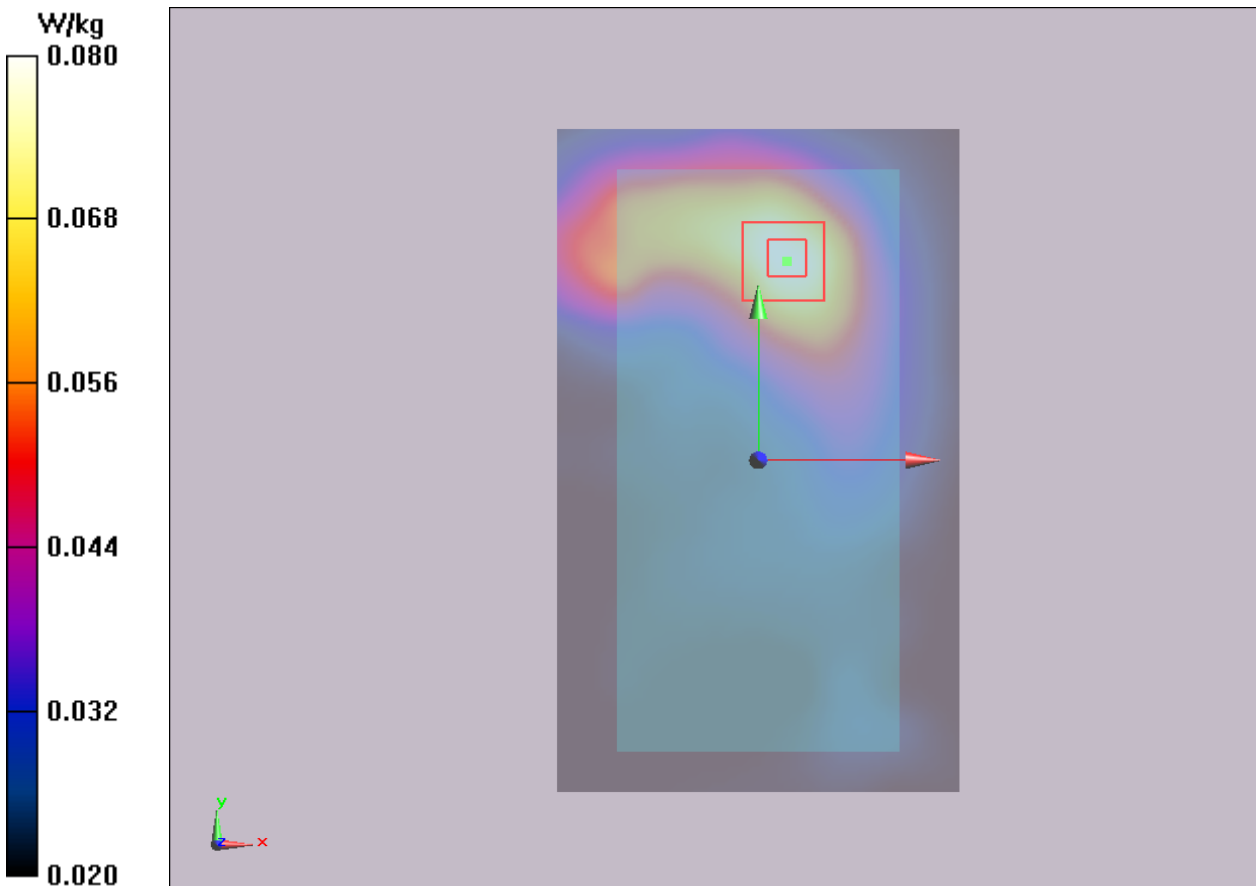
Back Side CH116/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 2.899 V/m; Power Drift = -0.188 dB

Peak SAR (extrapolated) = 0.161 W/kg

SAR(1 g) = 0.072 W/kg; SAR(10 g) = 0.049 W/kg

Maximum value of SAR (measured) = 0.080 W/kg



Plot 145 802.11ac VHT20 U-NII-2C Top Edge CH116 (Distance 0mm, Ant 1-SISO)

Date: 4/30/2019

Communication System: UID 0, 802.11ac HT20M (0); Frequency: 5580MHz; Duty Cycle: 1:1.009

Medium parameters used: $f = 5580 \text{ MHz}$; $\sigma = 5.931 \text{ S/m}$; $\epsilon_r = 48.285$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature: $22.3 \text{ }^\circ\text{C}$ Liquid Temperature: $21.5 \text{ }^\circ\text{C}$

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 - SN3677; ConvF(4.27, 4.27, 4.27); Calibrated: 5/29/2018;

Electronics: DAE4 SN1291; Calibrated: 12/4/2018

Phantom: SAM1; Type: SAM; Serial: TP-1534

Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Top Edge CH116/Area Scan (111x181x1): Interpolated grid: $dx=10 \text{ mm}$, $dy=10 \text{ mm}$

Maximum value of SAR (interpolated) = 3.62 W/kg

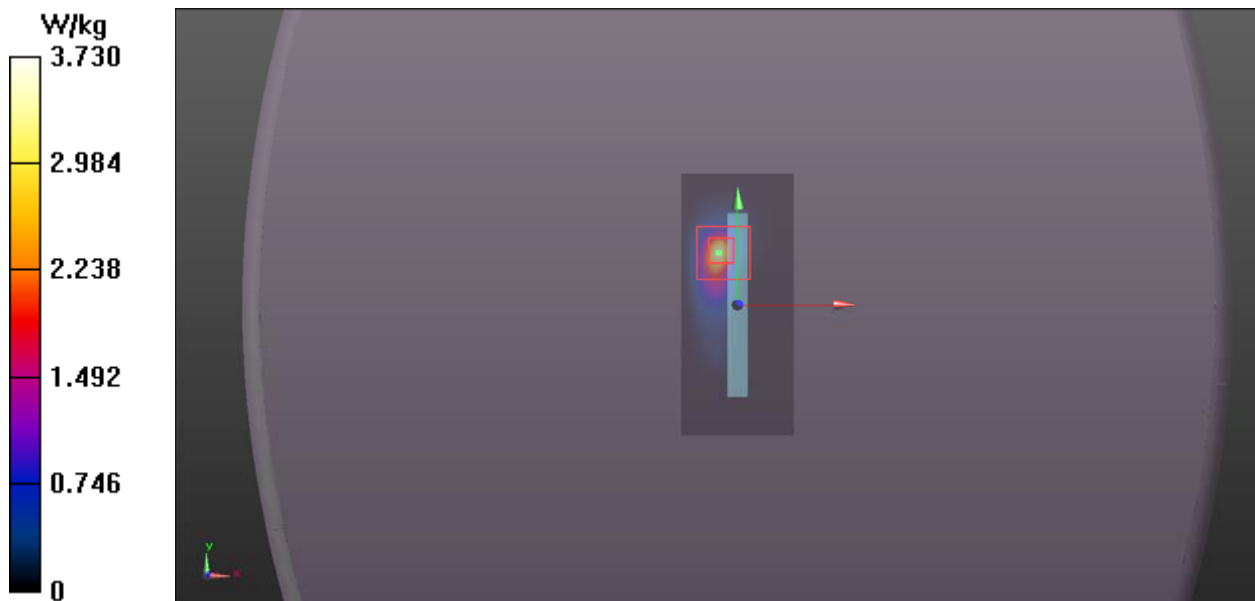
Top Edge CH116/Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2\text{mm}$

Reference Value = 4.403 V/m ; Power Drift = -0.023 dB

Peak SAR (extrapolated) = 7.40 W/kg

SAR(1 g) = 2.27 W/kg ; SAR(10 g) = 0.580 W/kg

Maximum value of SAR (measured) = 3.73 W/kg



Plot 146 802.11n HT40 U-NII-3 Left Cheek CH159 (Ant 1-SISO)

Date: 5/2/2019

Communication System: UID 0, 802.11n(40M) (0); Frequency: 5795 MHz;Duty Cycle: 1:1.0209

Medium parameters used: $f = 5795$ MHz; $\sigma = 5$ S/m; $\epsilon_r = 35.341$; $\rho = 1000$ kg/m³

Ambient Temperature:22.3 °C Liquid Temperature: 21.5°C

Phantom section: Left Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 - SN3677; ConvF(4.99, 4.99, 4.99); Calibrated: 5/29/2018;

Electronics: DAE4 SN1291; Calibrated: 12/4/2018

Phantom: SAM1; Type: SAM; Serial: TP-1534

Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Left Cheek CH159/Area Scan (111x201x1): Interpolated grid: dx=10 mm, dy=10 mm

Maximum value of SAR (interpolated) = 0.405 W/kg

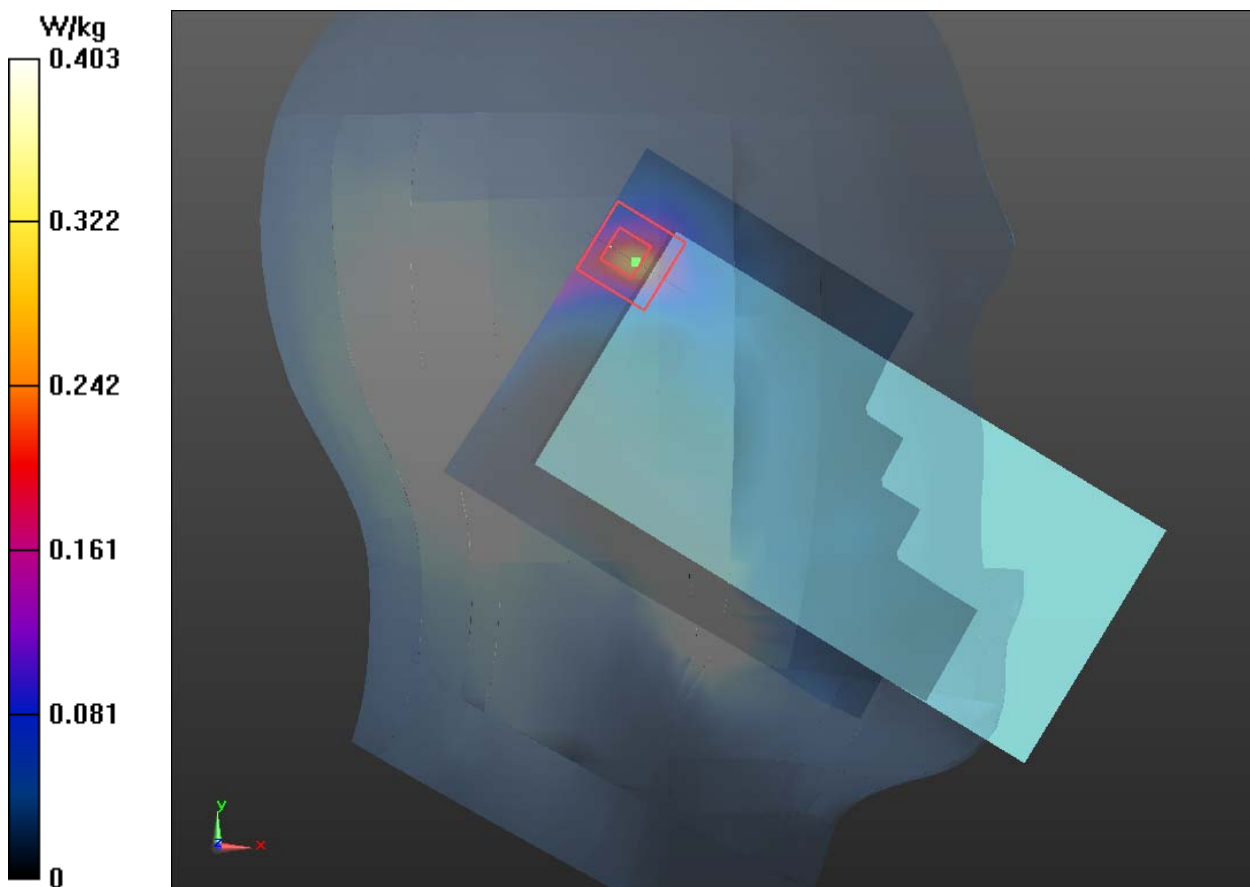
Left Cheek CH159/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 2.104 V/m; Power Drift = 0.183 dB

Peak SAR (extrapolated) = 0.587 W/kg

SAR(1 g) = 0.398 W/kg; SAR(10 g) = 0.210 W/kg

Maximum value of SAR (measured) = 0.403 W/kg



Plot 147 802.11a U-NII-3 Back Side CH157 (Distance 15mm, Ant 1-SISO)

Date: 5/2/2019

Communication System: UID 0, 802.11a (0); Frequency: 5785 MHz; Duty Cycle: 1:1.008

Medium parameters used: $f = 5785 \text{ MHz}$; $\sigma = 6 \text{ S/m}$; $\epsilon_r = 47.724$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature: $22.3 \text{ }^\circ\text{C}$ Liquid Temperature: $21.5 \text{ }^\circ\text{C}$

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 - SN3677; ConvF(4.43, 4.43, 4.43); Calibrated: 5/29/2018;

Electronics: DAE4 SN1291; Calibrated: 12/4/2018

Phantom: SAM1; Type: SAM; Serial: TP-1534

Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Back Side CH157/Area Scan (111x181x1): Interpolated grid: $dx=10 \text{ mm}$, $dy=10 \text{ mm}$

Maximum value of SAR (interpolated) = 0.063 W/kg

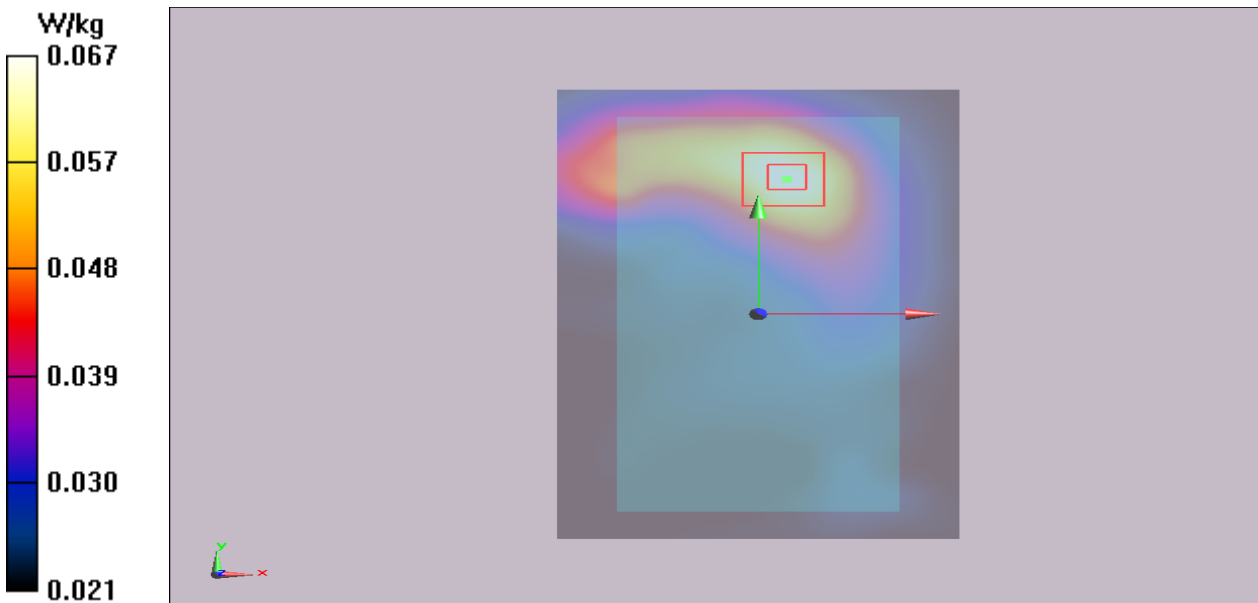
Back Side CH157/Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2\text{mm}$

Reference Value = 3.059 V/m ; Power Drift = -0.198 dB

Peak SAR (extrapolated) = 0.182 W/kg

SAR(1 g) = 0.059 W/kg ; SAR(10 g) = 0.044 W/kg

Maximum value of SAR (measured) = 0.067 W/kg



Plot 148 802.11a U-NII-3 Top Edge CH157 (Distance 10mm, Ant 1-SISO)

Date: 5/2/2019

Communication System: UID 0, 802.11a (0); Frequency: 5785 MHz; Duty Cycle: 1:1.008

Medium parameters used: $f = 5785$ MHz; $\sigma = 6$ S/m; $\epsilon_r = 47.724$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3 °C Liquid Temperature: 21.5 °C

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 - SN3677; ConvF(4.43, 4.43, 4.43); Calibrated: 5/29/2018;

Electronics: DAE4 SN1291; Calibrated: 12/4/2018

Phantom: SAM1; Type: SAM; Serial: TP-1534

Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Top Edge CH157/Area Scan (51x111x1): Interpolated grid: dx=10 mm, dy=10 mm

Maximum value of SAR (interpolated) = 0.159 W/kg

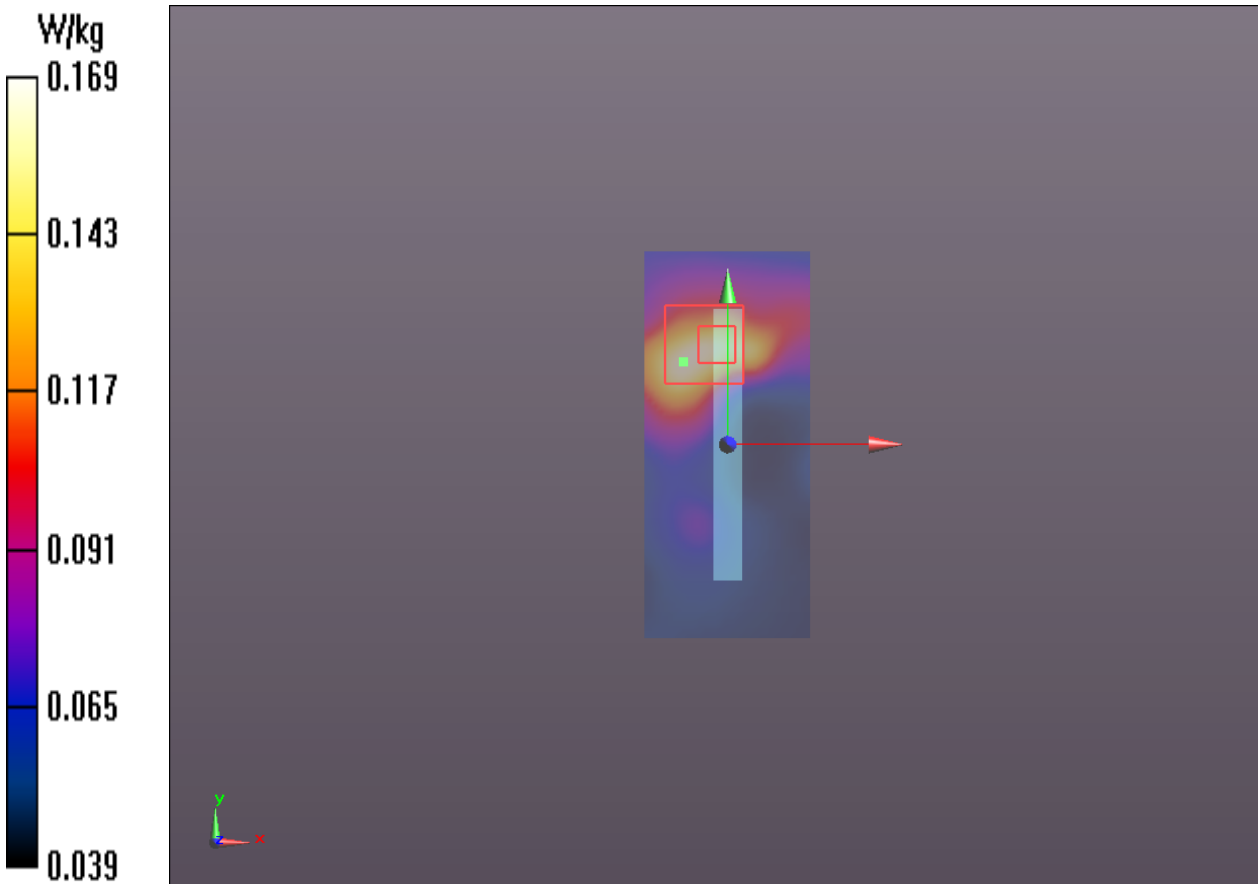
Top Edge CH157/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 4.162 V/m; Power Drift = 0.1 dB

Peak SAR (extrapolated) = 0.359 W/kg

SAR(1 g) = 0.139 W/kg; SAR(10 g) = 0.07 W/kg

Maximum value of SAR (measured) = 0.169 W/kg



Plot 149 802.11a U-NII-1 Back Side CH44 (Distance 10mm, Ant 2-SISO)

Date: 5/1/2019

Communication System: UID 0, 802.11a (0); Frequency: 5220 MHz; Duty Cycle: 1:1.008

Medium parameters used: $f = 5220 \text{ MHz}$; $\sigma = 5.368 \text{ S/m}$; $\epsilon_r = 46.801$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature: $22.3 \text{ }^\circ\text{C}$ Liquid Temperature: $21.5 \text{ }^\circ\text{C}$

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 - SN3677; ConvF(5.04, 5.04, 5.04); Calibrated: 5/29/2018;

Electronics: DAE4 SN1291; Calibrated: 12/4/2018

Phantom: SAM1; Type: SAM; Serial: TP-1534

Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Back Side CH44/Area Scan (111x181x1): Interpolated grid: $dx=10 \text{ mm}$, $dy=10 \text{ mm}$

Maximum value of SAR (interpolated) = 0.129 W/kg

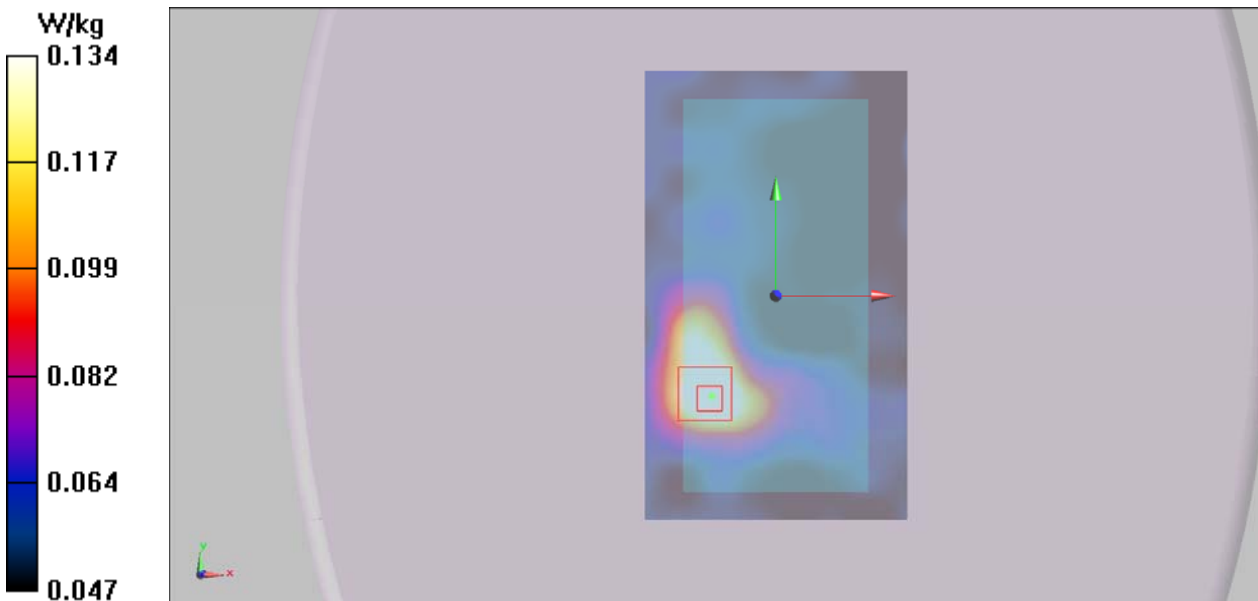
Back Side CH44/Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2\text{mm}$

Reference Value = 2.773 V/m ; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.394 W/kg

SAR(1 g) = 0.093 W/kg ; SAR(10 g) = 0.046 W/kg

Maximum value of SAR (measured) = 0.134 W/kg



Plot 150 802.11n HT40 U-NII-2A Right Cheek CH54 (Ant 2-SISO)

Date: 4/28/2019

Communication System: UID 0, 802.11n HT40 (0); Frequency: 5270MHz; Duty Cycle: 1:1.0209

Medium parameters used: $f = 5270\text{MHz}$; $\sigma = 5.446\text{ S/m}$; $\epsilon_r = 35.349$; $\rho = 1000\text{ kg/m}^3$

Ambient Temperature: $22.3\text{ }^\circ\text{C}$ Liquid Temperature: $21.5\text{ }^\circ\text{C}$

Phantom section: Right Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 - SN3677; ConvF(5.60, 5.60, 5.60); Calibrated: 5/29/2018;

Electronics: DAE4 SN1291; Calibrated: 12/4/2018

Phantom: SAM1; Type: SAM; Serial: TP-1534

Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Right Cheek CH54/Area Scan (111x201x1): Interpolated grid: $dx=10\text{ mm}$, $dy=10\text{ mm}$

Maximum value of SAR (interpolated) = 0.0946 W/kg

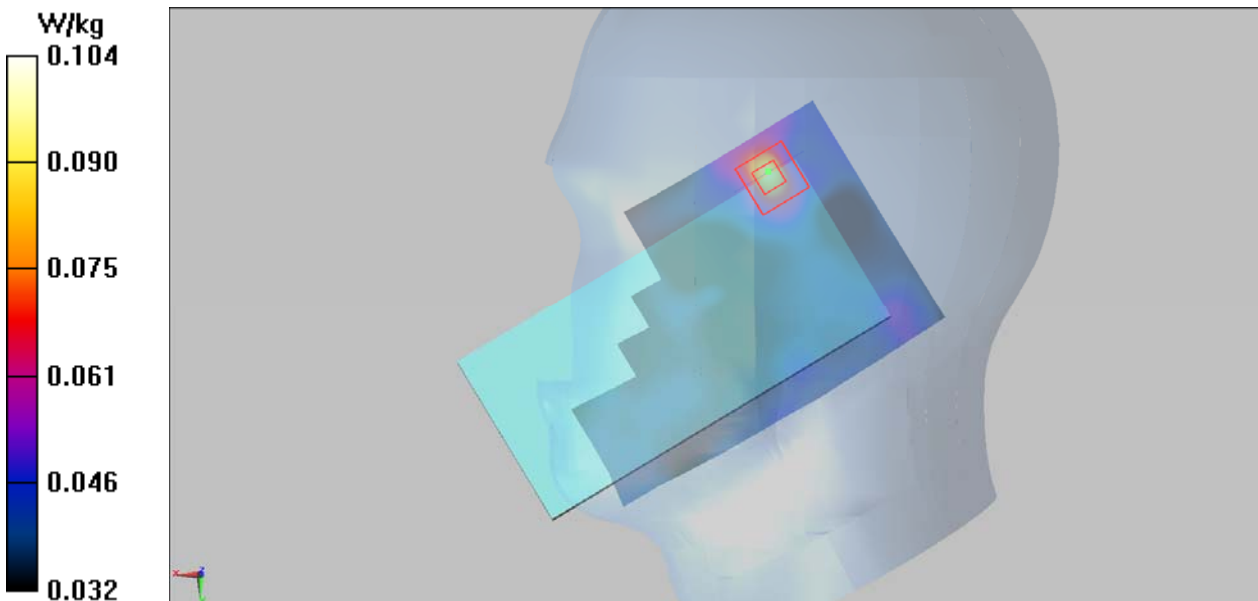
Right Cheek CH54/Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2\text{mm}$

Reference Value = 2.675 V/m ; Power Drift = 0.133 dB

Peak SAR (extrapolated) = 0.174 W/kg

SAR(1 g) = 0.085 W/kg ; SAR(10 g) = 0.056 W/kg

Maximum value of SAR (measured) = 0.104 W/kg



Plot 151 802.11a U-NII-2A Back Side CH60 (Distance 15mm, Ant 2-SISO)

Date: 5/1/2019

Communication System: UID 0, 802.11a (0); Frequency: 5300 MHz; Duty Cycle: 1:1.008

Medium parameters used: $f = 5300$ MHz; $\sigma = 5.478$ S/m; $\epsilon_r = 49.057$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3 °C Liquid Temperature: 21.5 °C

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 - SN3677; ConvF(5.04, 5.04, 5.04); Calibrated: 5/29/2018;

Electronics: DAE4 SN1291; Calibrated: 12/4/2018

Phantom: SAM1; Type: SAM; Serial: TP-1534

Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Back Side CH60/Area Scan (111x181x1): Interpolated grid: dx=10 mm, dy=10 mm

Maximum value of SAR (interpolated) = 0.145 W/kg

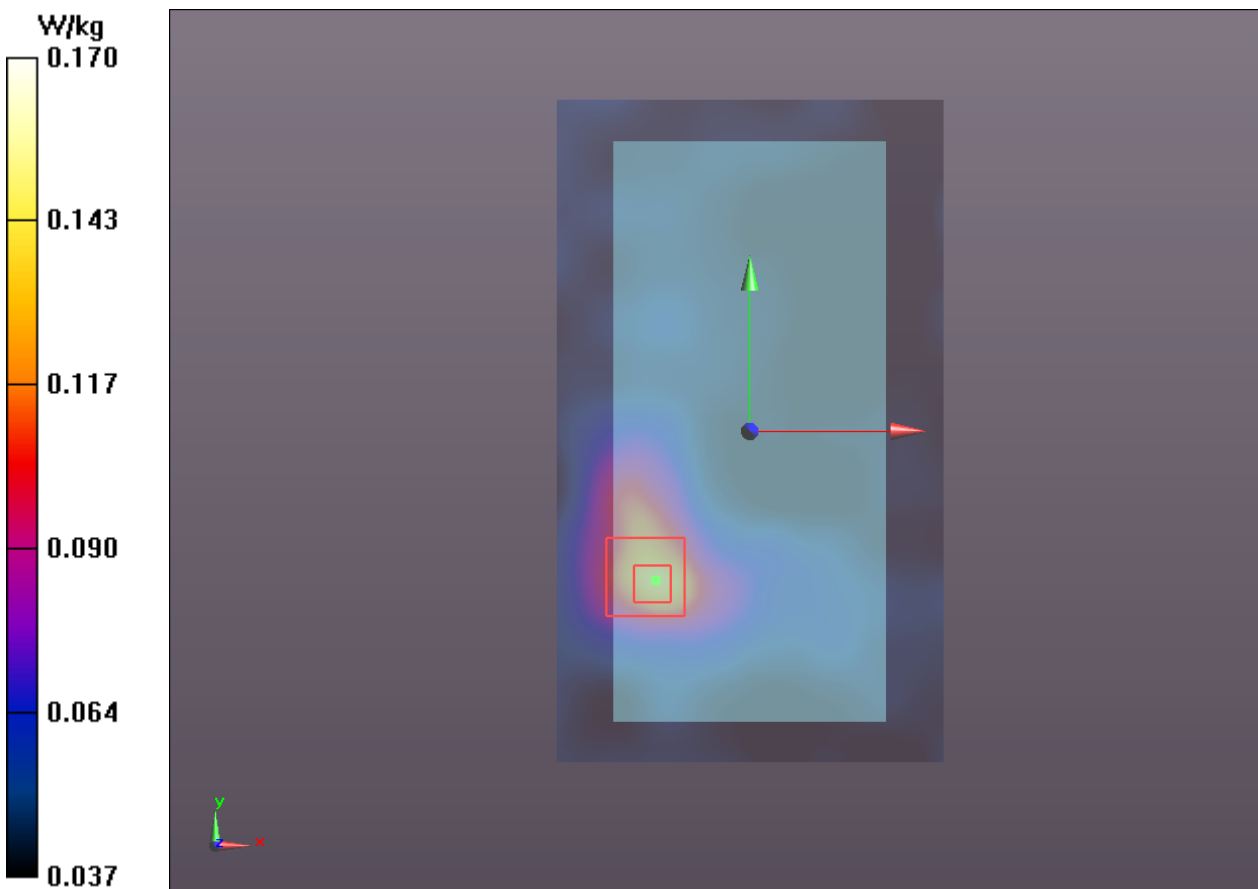
Back Side CH60/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 2.624 V/m; Power Drift = 0.034 dB

Peak SAR (extrapolated) = 0.322 W/kg

SAR(1 g) = 0.047 W/kg; SAR(10 g) = 0.023 W/kg

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



Plot 152 802.11a U-NII-2A Back Side CH60 (Distance 0mm, Ant 2-SISO)

Date: 5/1/2019

Communication System: UID 0, 802.11a (0); Frequency: 5300 MHz; Duty Cycle: 1:1.008

Medium parameters used: $f = 5300$ MHz; $\sigma = 5.478$ S/m; $\epsilon_r = 49.057$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3 °C Liquid Temperature: 21.5 °C

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 - SN3677; ConvF(5.04, 5.04, 5.04); Calibrated: 5/29/2018;

Electronics: DAE4 SN1291; Calibrated: 12/4/2018

Phantom: SAM1; Type: SAM; Serial: TP-1534

Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Back Side CH60/Area Scan (111x181x1): Interpolated grid: dx=10 mm, dy=10 mm

Maximum value of SAR (interpolated) = 1.280 W/kg

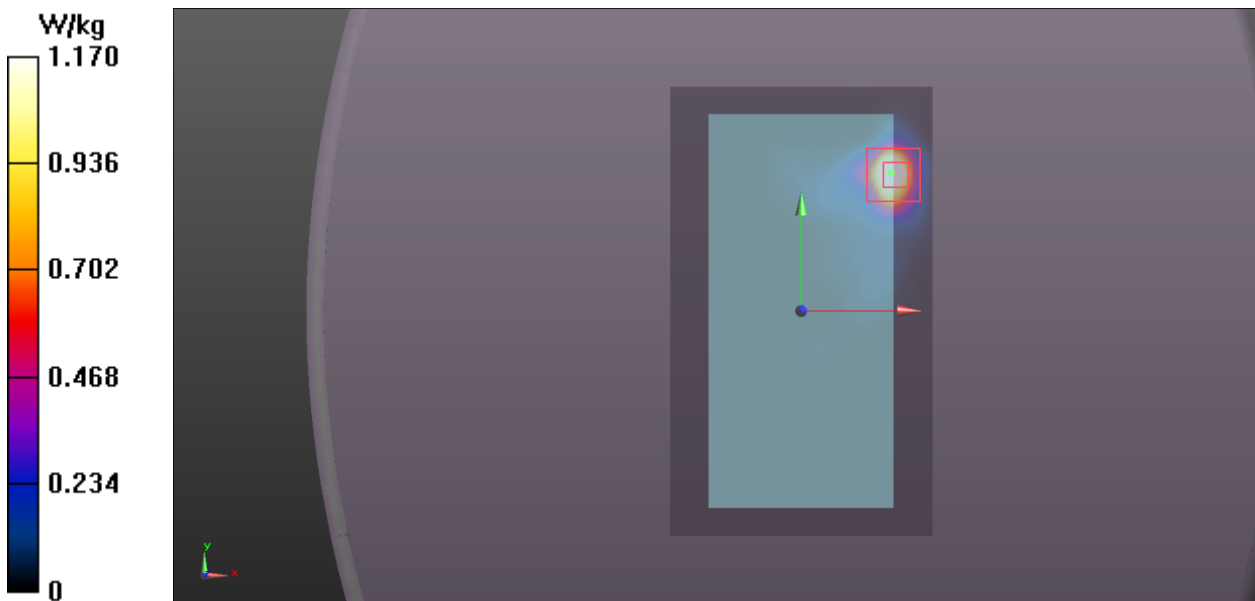
Back Side CH60/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 1.210 V/m; Power Drift = 2.52 dB

Peak SAR (extrapolated) = 3.75 W/kg

SAR(1 g) = 1.05 W/kg; SAR(10 g) = 0.360 W/kg

Maximum value of SAR (measured) = 1.170 W/kg



Plot 153 802.11n HT40 U-NII-2C Right Tilt CH118 (Ant 2-SISO)

Date: 4/22/2019

Communication System: UID 0, 802.11n HT40 (0); Frequency: 5590 MHz; Duty Cycle: 1:1.0209

Medium parameters used: $f = 5590$ MHz; $\sigma = 5.303$ S/m; $\epsilon_r = 35.636$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3 °C Liquid Temperature: 21.5 °C

Phantom section: Right Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 - SN3677; ConvF(4.87, 4.87, 4.87); Calibrated: 5/29/2018;

Electronics: DAE4 SN1291; Calibrated: 12/4/2018

Phantom: SAM1; Type: SAM; Serial: TP-1534

Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Right Tilt CH118/Area Scan (111x201x1): Interpolated grid: dx=10 mm, dy=10 mm

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

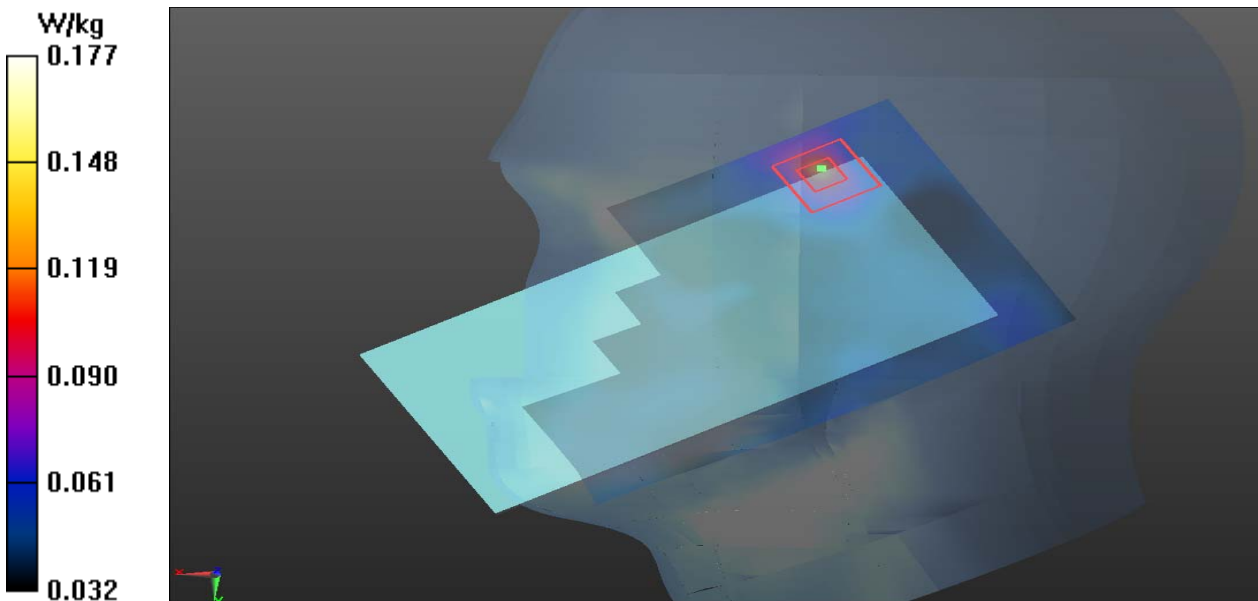
Right Tilt CH118/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 2.334 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 0.232 W/kg

SAR(1 g) = 0.139 W/kg; SAR(10 g) = 0.068 W/kg

Maximum value of SAR (measured) = 0.177 W/kg



Plot 154 802.11a U-NII-2C Back Side CH136 (Distance 15mm, Ant 2-SISO)

Date: 5/1/2019

Communication System: UID 0, 802.11a (0); Frequency: 5680 MHz; Duty Cycle: 1:1.008

Medium parameters used: $f = 5680$ MHz; $\sigma = 6.095$ S/m; $\epsilon_r = 48$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3 °C Liquid Temperature: 21.5 °C

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 - SN3677; ConvF(4.27, 4.27, 4.27); Calibrated: 5/29/2018;

Electronics: DAE4 SN1291; Calibrated: 12/4/2018

Phantom: SAM1; Type: SAM; Serial: TP-1534

Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Back Side CH136/Area Scan (111x181x1): Interpolated grid: dx=10 mm, dy=10 mm

Maximum value of SAR (interpolated) = 0.065 W/kg

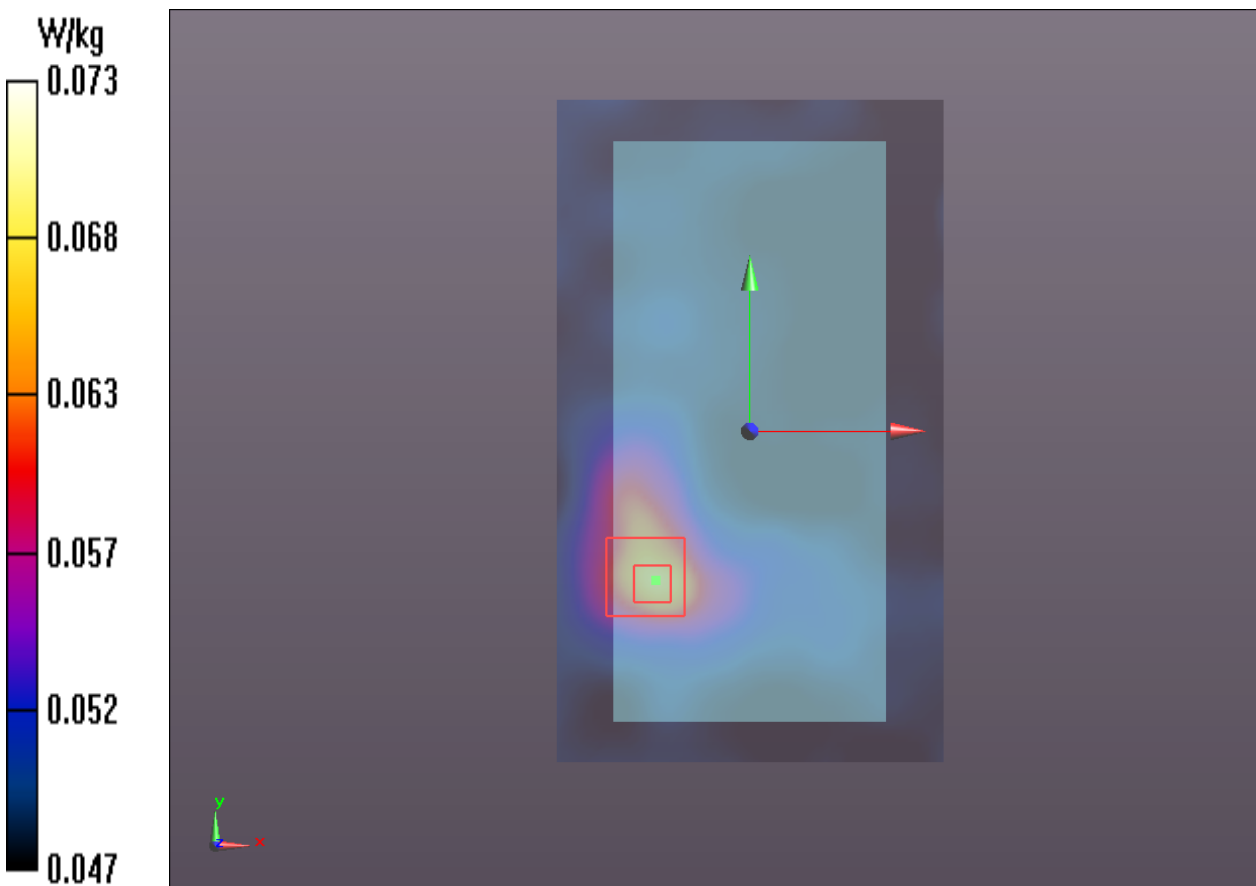
Back Side CH136/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 2.624 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.262 W/kg

SAR(1 g) = 0.037 W/kg; SAR(10 g) = 0.016 W/kg

Maximum value of SAR (measured) = 0.073 W/kg



Plot 155 802.11 ac VHT20 U-NII-2C Back Side CH136 (Distance 0mm, Ant 2-SISO)

Date: 5/1/2019

Communication System: UID 0, 802.11a (0); Frequency: 5680 MHz; Duty Cycle: 1:1.008

Medium parameters used: $f = 5680$ MHz; $\sigma = 6.095$ S/m; $\epsilon_r = 48$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3 °C Liquid Temperature: 21.5 °C

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 - SN3677; ConvF(4.27, 4.27, 4.27); Calibrated: 5/29/2018;

Electronics: DAE4 SN1291; Calibrated: 12/4/2018

Phantom: SAM1; Type: SAM; Serial: TP-1534

Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Back Side CH136/Area Scan (111x181x1): Interpolated grid: dx=10 mm, dy=10 mm

Maximum value of SAR (interpolated) = 2.25 W/kg

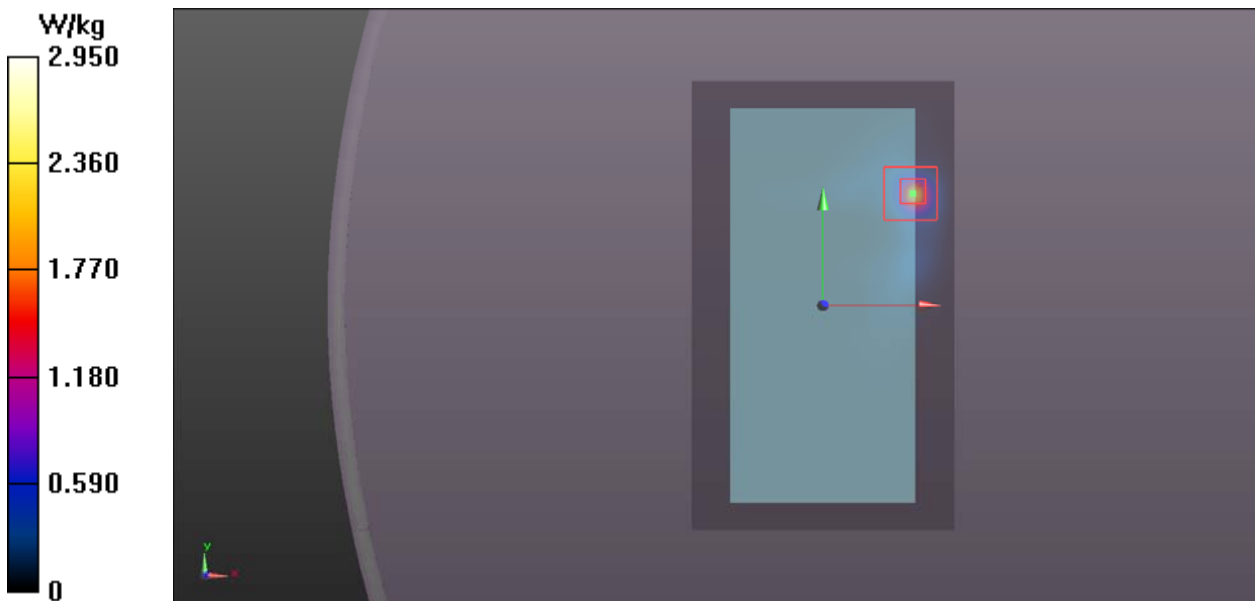
Back Side CH136/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 1.829 V/m; Power Drift = -0.042 dB

Peak SAR (extrapolated) = 5.11 W/kg

SAR(1 g) = 1.57 W/kg; SAR(10 g) = 0.387 W/kg

Maximum value of SAR (measured) = 2.95 W/kg



Plot 156 802.11n HT40 U-NII-3 Left Cheek CH159 (Ant 2-SISO)

Date: 5/2/2019

Communication System: UID 0, 802.11n(40M) (0); Frequency: 5795 MHz;Duty Cycle: 1:1.020

Medium parameters used: $f = 5795$ MHz; $\sigma = 5$ S/m; $\epsilon_r = 35.341$; $\rho = 1000$ kg/m³

Ambient Temperature:22.3 °C Liquid Temperature: 21.5°C

Phantom section: Left Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 - SN3677; ConvF(4.99, 4.99, 4.99); Calibrated: 5/29/2018;

Electronics: DAE4 SN1291; Calibrated: 12/4/2018

Phantom: SAM1; Type: SAM; Serial: TP-1534

Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Left Cheek CH159/Area Scan (111x201x1): Interpolated grid: dx=10 mm, dy=10 mm

Maximum value of SAR (interpolated) = 0.101 W/kg

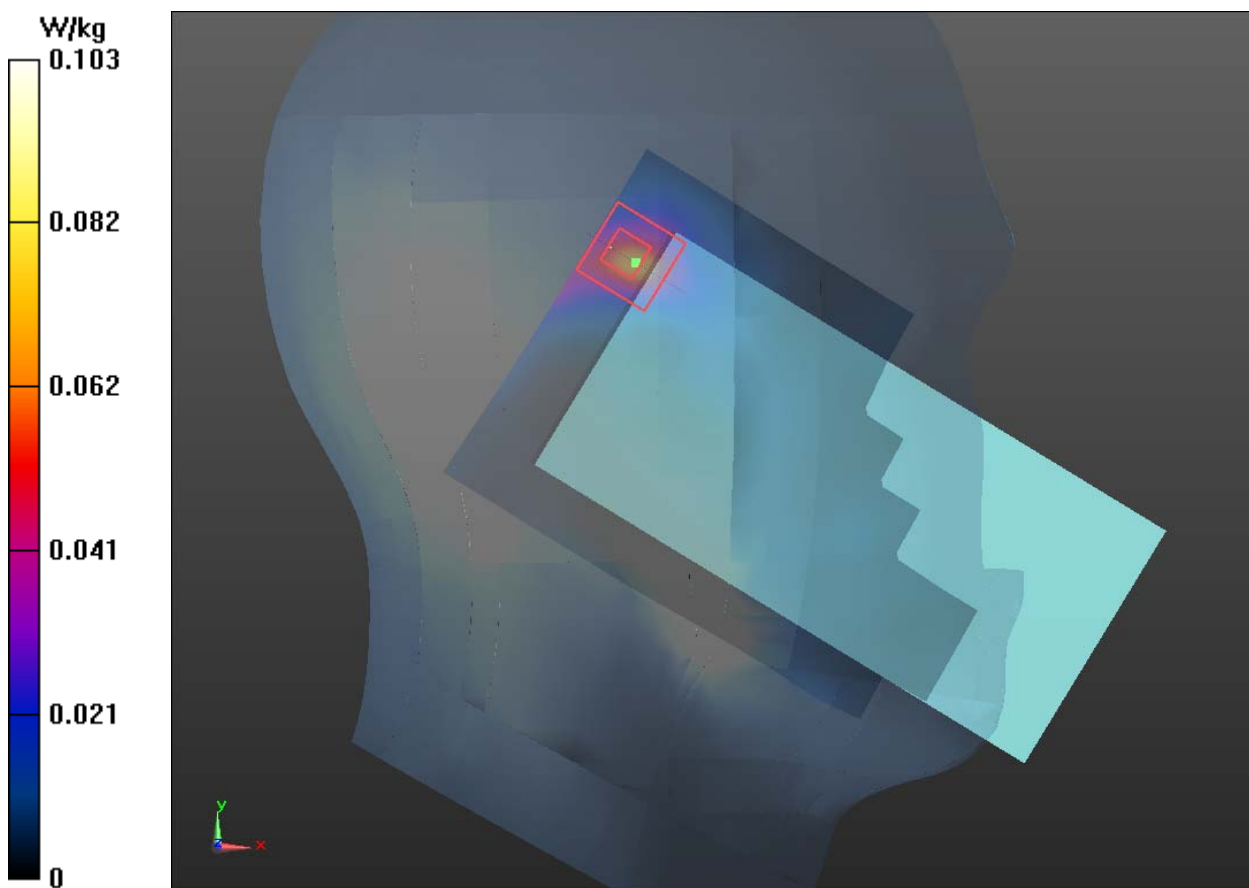
Left Cheek CH159/Zoom Scan(7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 2.724 V/m; Power Drift = 0.011 dB

Peak SAR (extrapolated) = 0.253 W/kg

SAR(1 g) = 0.099 W/kg; SAR(10 g) = 0.045 W/kg

Maximum value of SAR (measured) = 0.103 W/kg



Plot 157 802.11a U-NII-3 Back Side CH161 (Distance 15mm, Ant 2-SISO)

Date: 5/3/2019

Communication System: UID 0, 802.11a (0); Frequency: 5800 MHz; Duty Cycle: 1:1.008

Medium parameters used: $f = 5800$ MHz; $\sigma = 6.192$ S/m; $\epsilon_r = 47.825$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3 °C Liquid Temperature: 21.5 °C

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 - SN3677; ConvF(4.43, 4.43, 4.43); Calibrated: 5/29/2018;

Electronics: DAE4 SN1291; Calibrated: 12/4/2018

Phantom: SAM1; Type: SAM; Serial: TP-1534

Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Back Side CH161/Area Scan (111x181x1): Interpolated grid: dx=10 mm, dy=10 mm

Maximum value of SAR (interpolated) = 0.051 W/kg

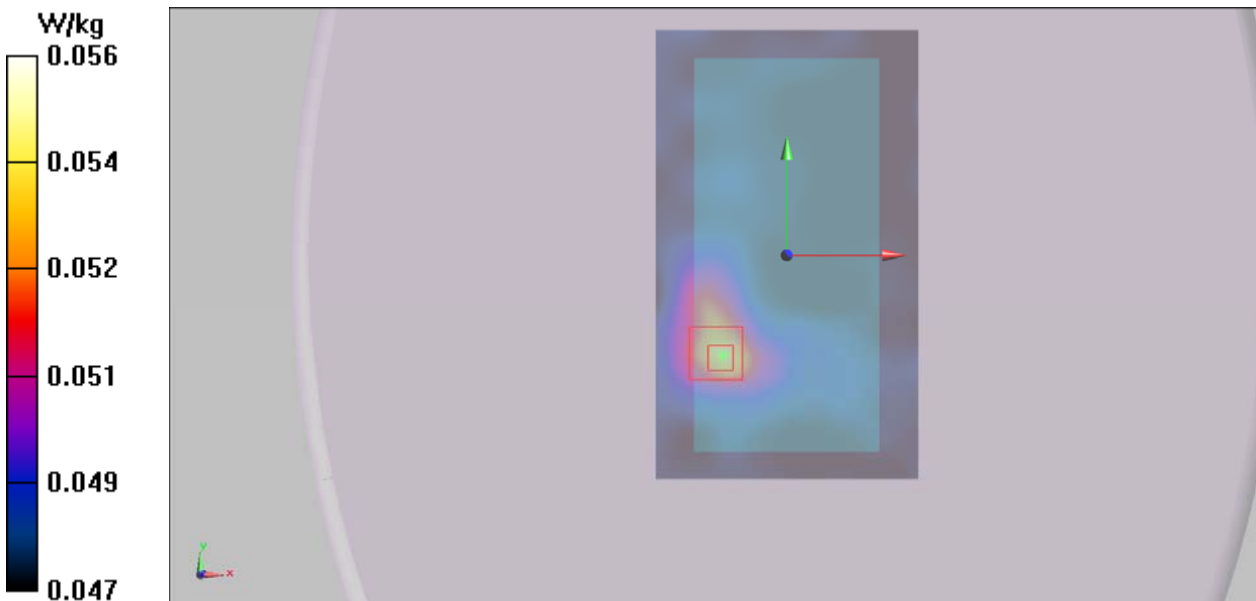
Back Side CH161/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 2.773 V/m; Power Drift = 0.01dB

Peak SAR (extrapolated) = 0.094 W/kg

SAR(1 g) = 0.022 W/kg; SAR(10 g) = 0.013 W/kg

Maximum value of SAR (measured) = 0.056 W/kg



Plot 158 802.11a U-NII-3 Back Side CH161 (Distance 10mm, Ant 2-SISO)

Date: 5/3/2019

Communication System: UID 0, 802.11a (0); Frequency: 5800 MHz; Duty Cycle: 1:1.008

Medium parameters used: $f = 5800 \text{ MHz}$; $\sigma = 6.192 \text{ S/m}$; $\epsilon_r = 47.825$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature: $22.3 \text{ }^\circ\text{C}$ Liquid Temperature: $21.5 \text{ }^\circ\text{C}$

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 - SN3677; ConvF(4.43, 4.43, 4.43); Calibrated: 5/29/2018;

Electronics: DAE4 SN1291; Calibrated: 12/4/2018

Phantom: SAM1; Type: SAM; Serial: TP-1534

Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Back Side CH161/Area Scan (111x181x1): Interpolated grid: $dx=10 \text{ mm}$, $dy=10 \text{ mm}$

Maximum value of SAR (interpolated) = 0.215 W/kg

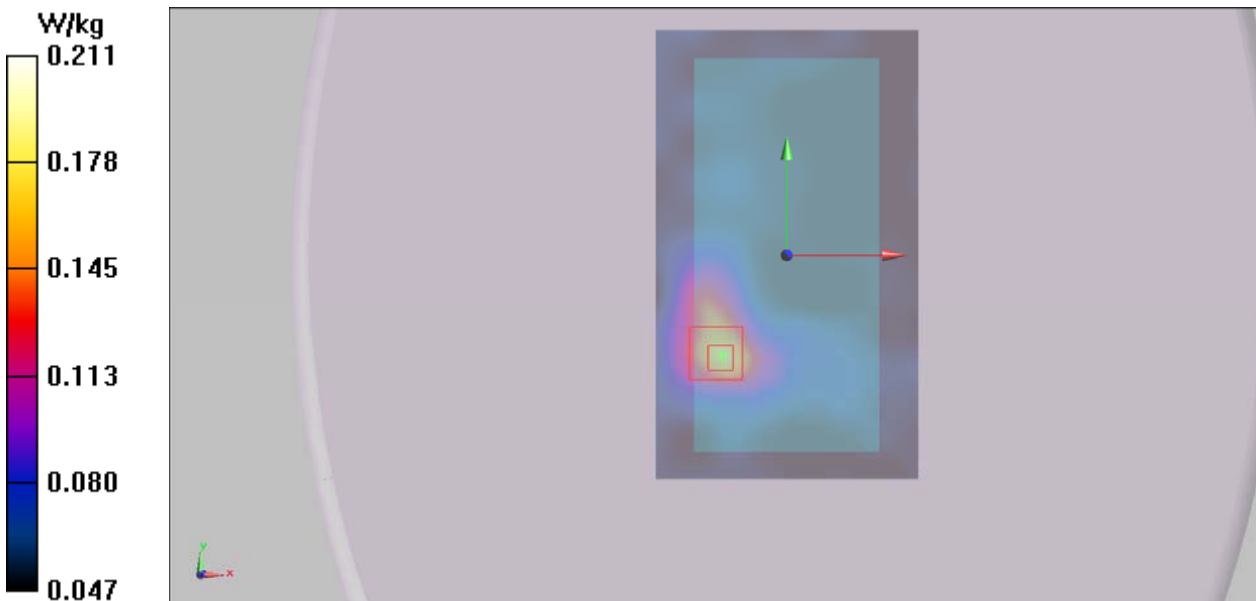
Back Side CH161/Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2\text{mm}$

Reference Value = 2.773 V/m ; Power Drift = 0.152 dB

Peak SAR (extrapolated) = 0.394 W/kg

SAR(1 g) = 0.179 W/kg ; SAR(10 g) = 0.104 W/kg

Maximum value of SAR (measured) = 0.211 W/kg



Plot 159 Bluetooth Left Tilt Middle (normal)

Date: 4/29/2019

Communication System: UID 0, Bluetooth (0); Frequency: 2441 MHz; Duty Cycle: 1:1.3038

Medium parameters used: $f = 2441$ MHz; $\sigma = 1.838$ S/m; $\epsilon_r = 39.754$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3 °C Liquid Temperature: 21.5 °C

Phantom section: Left Section

DASY5 Configuration:

Sensor-Surface: 4mm (Mechanical Surface Detection)

Probe: EX3DV4 - SN3677; ConvF(7.57, 7.57, 7.57); Calibrated: 5/29/2018;

Electronics: DAE4 SN1291; Calibrated: 12/4/2018

Phantom: SAM1; Type: SAM; Serial: TP-1534

Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Left Tilt Middle /Area Scan (91x171x1): Interpolated grid: dx=12 mm, dy=12 mm

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

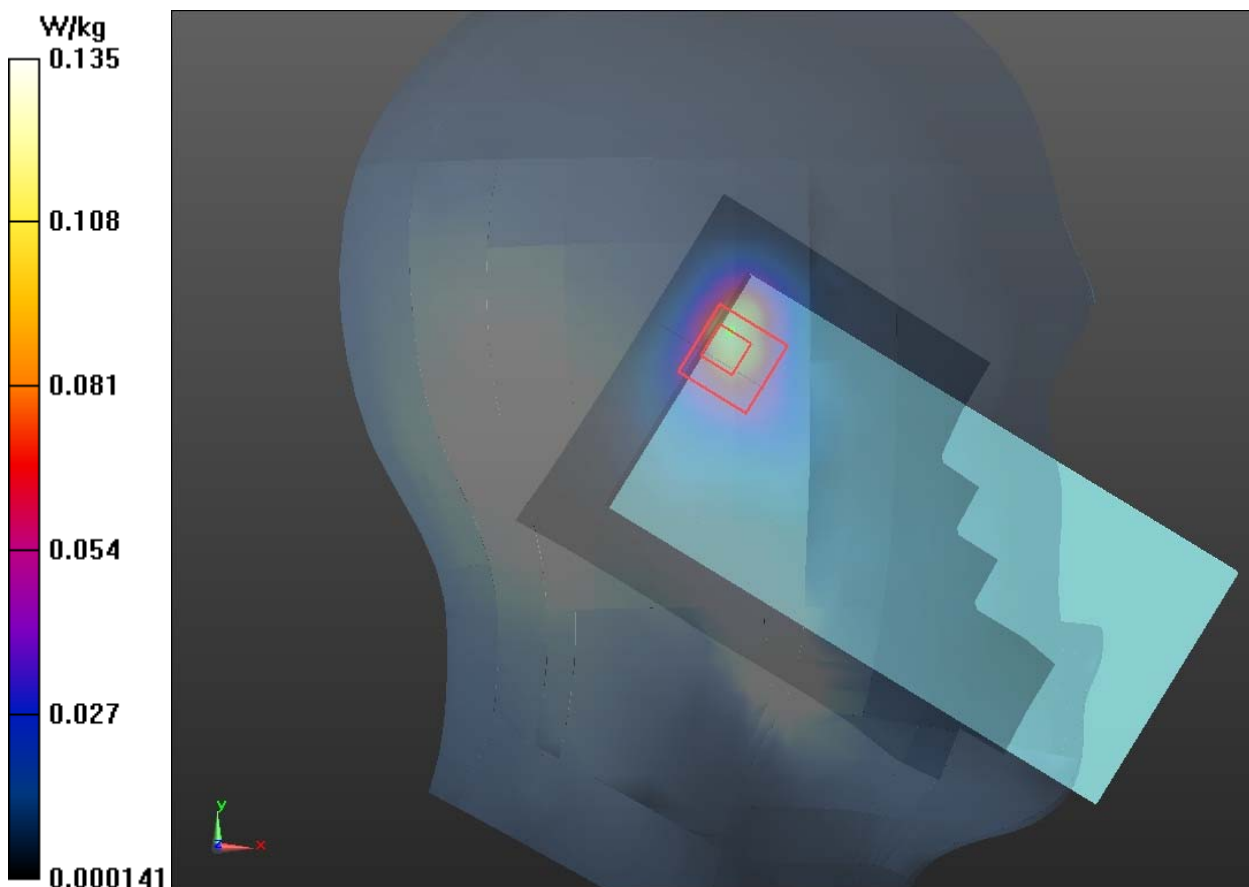
Left Tilt Middle /Zoom Scan(7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.511 V/m; Power Drift = 0.051 dB

Peak SAR (extrapolated) = 0.299 W/kg

SAR(1 g) = 0.123 W/kg; SAR(10 g) = 0.050 W/kg

Maximum value of SAR (measured) = 0.135 W/kg



Plot 160 Bluetooth Front Side Middle (Distance 15mm, normal)

Date: 4/29/2019

Communication System: UID 0, Bluetooth (0); Frequency: 2441 MHz; Duty Cycle: 1:1.3038

Medium parameters used: $f = 2441$ MHz; $\sigma = 1.964$ S/m; $\epsilon_r = 51.118$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3 °C Liquid Temperature: 21.5 °C

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 4mm (Mechanical Surface Detection)

Probe: EX3DV4 - SN3677; ConvF(7.53, 7.53, 7.53); Calibrated: 5/29/2018;

Electronics: DAE4 SN1291; Calibrated: 12/4/2018

Phantom: SAM1; Type: SAM; Serial: TP-1534

Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Front Side Middle/Area Scan (91x151x1): Interpolated grid: dx=12 mm, dy=12 mm

Maximum value of SAR (interpolated) = 0.00597 W/kg

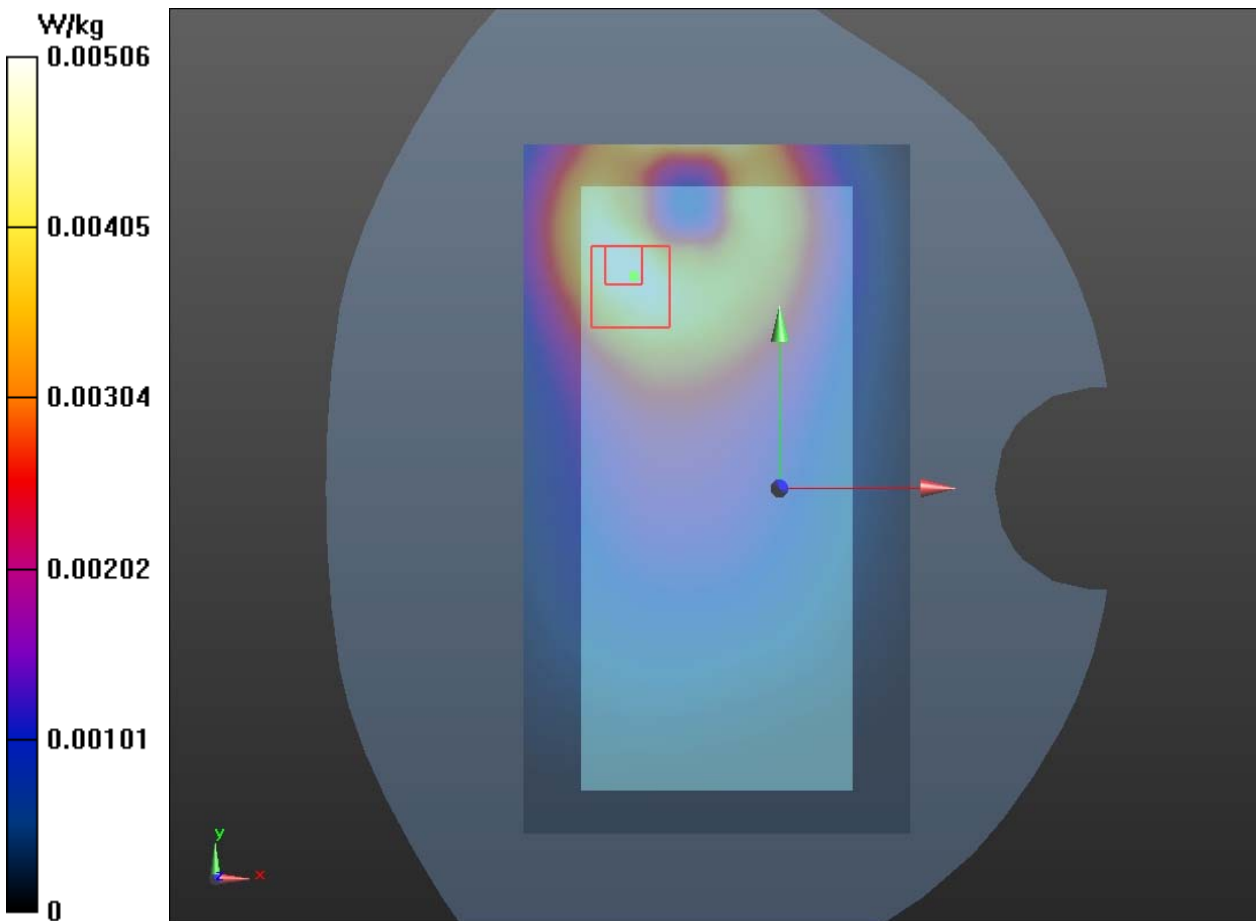
Front Side Middle/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 0.3530 V/m; Power Drift = 0.03dB

Peak SAR (extrapolated) = 0.0160 W/kg

SAR(1 g) = 0.001 W/kg; SAR(10 g) = 0.0006 W/kg

Maximum value of SAR (measured) = 0.00506 W/kg



Plot 161 Bluetooth Front Side Low (Distance 15mm, high)

Date: 4/29/2019

Communication System: UID 0, Bluetooth (0); Frequency: 2402 MHz; Duty Cycle: 1:1.3038

Medium parameters used: $f = 2402$ MHz; $\sigma = 1.916$ S/m; $\epsilon_r = 51.236$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3 °C Liquid Temperature: 21.5 °C

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 4mm (Mechanical Surface Detection)

Probe: EX3DV4 - SN3677; ConvF(7.53, 7.53, 7.53); Calibrated: 5/29/2018;

Electronics: DAE4 SN1291; Calibrated: 12/4/2018

Phantom: SAM1; Type: SAM; Serial: TP-1534

Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Front Side Low/Area Scan (91x151x1): Interpolated grid: dx=12 mm, dy=12 mm

Maximum value of SAR (interpolated) = 0.050 W/kg

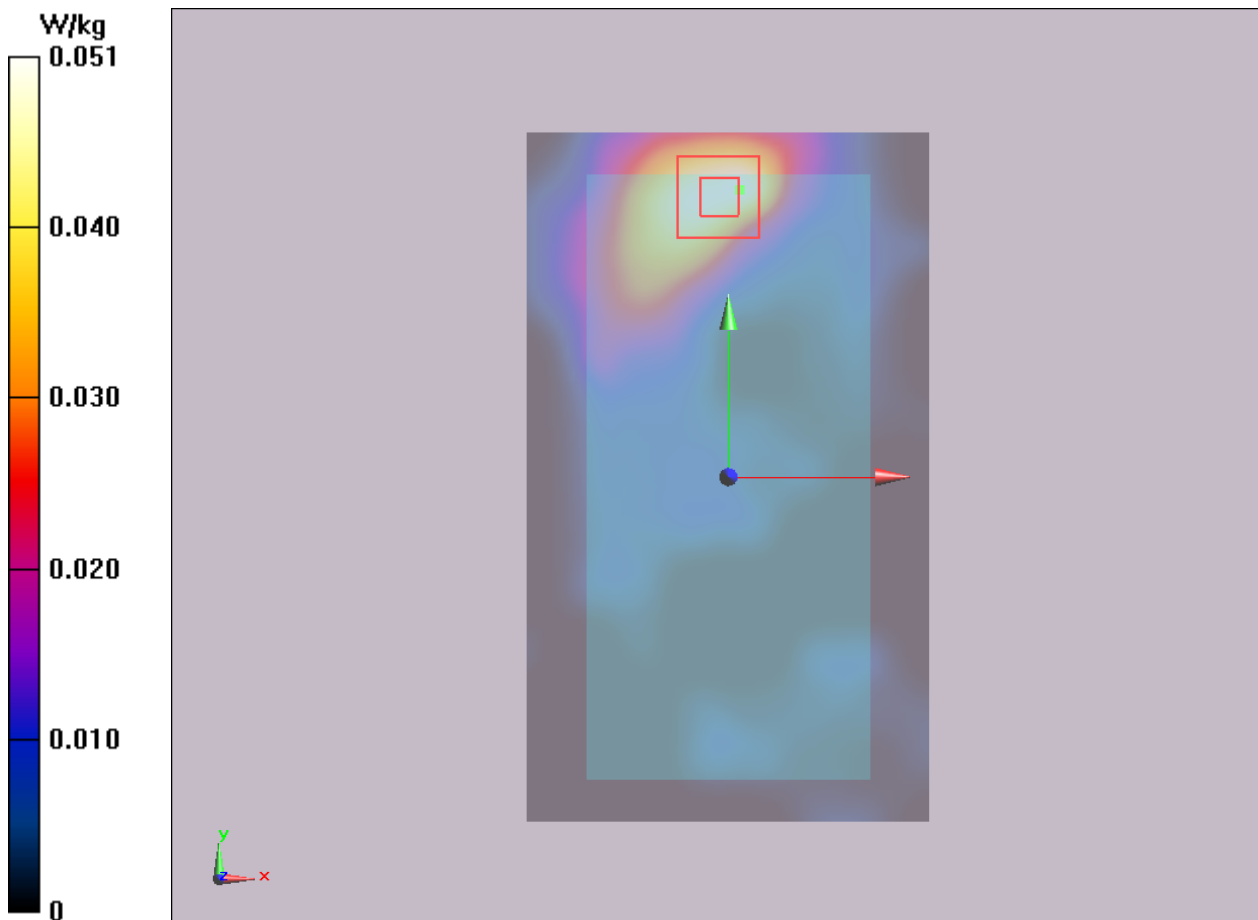
Front Side Low/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 0.3530 V/m; Power Drift = 0.052 dB

Peak SAR (extrapolated) = 0.0160 W/kg

SAR(1 g) = 0.035 W/kg; SAR(10 g) = 0.0156 W/kg

Maximum value of SAR (measured) = 0.051 W/kg



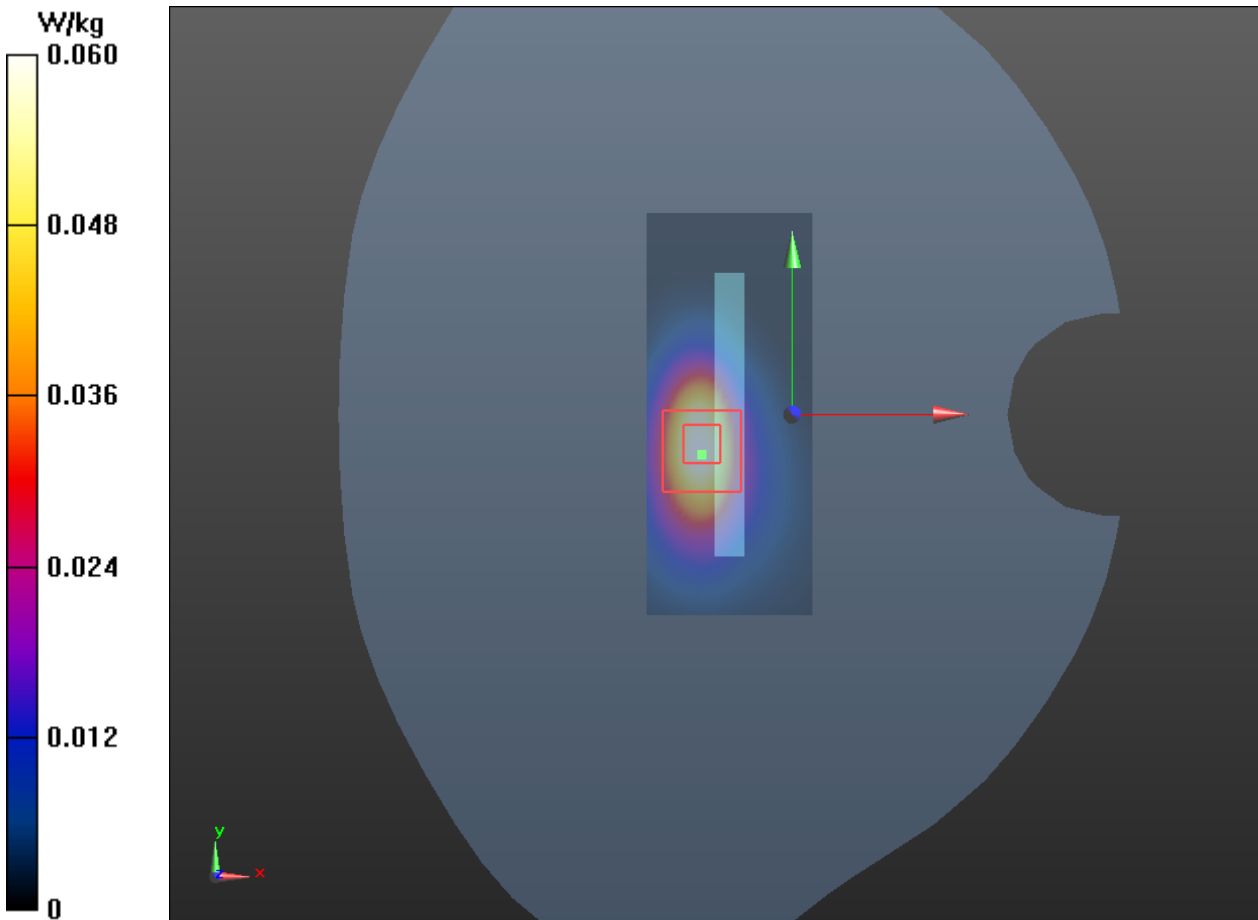
Plot 162 Bluetooth Top Edge Middle (Distance 10mm, normal)

Date: 4/29/2019

Communication System: UID 0, BT (0); Frequency: 2441 MHz; Duty Cycle: 1:1.3038
 Medium parameters used: $f = 2441$ MHz; $\sigma = 1.964$ S/m; $\epsilon_r = 51.118$; $\rho = 1000$ kg/m³
 Ambient Temperature: 22.3 °C Liquid Temperature: 21.5 °C
 Phantom section: Flat Section
 DASY5 Configuration:
 Sensor-Surface: 4mm (Mechanical Surface Detection)
 Probe: EX3DV4 - SN3677; ConvF(7.53, 7.53, 7.53); Calibrated: 5/29/2018;
 Electronics: DAE4 SN1291; Calibrated: 12/4/2018
 Phantom: SAM1; Type: SAM; Serial: TP-1534
 Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Top Edge Low/Area Scan (51x111x1): Interpolated grid: dx=10 mm, dy=10 mm
 Maximum value of SAR (interpolated) = 0.061 W/kg

Top Edge Low/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
 Reference Value = 2.215 V/m; Power Drift = 0.07dB
 Peak SAR (extrapolated) = 0.0270 W/kg
SAR(1 g) = 0.057 W/kg; SAR(10 g) = 0.031 W/kg
 Maximum value of SAR (measured) = 0.060 W/kg



Plot 163 Bluetooth Top Edge Low (Distance 10mm, high)

Date: 4/29/2019

Communication System: UID 0, BT (0); Frequency: 2402 MHz; Duty Cycle: 1:1.3038

Medium parameters used: $f = 2402$ MHz; $\sigma = 1.916$ S/m; $\epsilon_r = 51.236$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3 °C Liquid Temperature: 21.5 °C

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 4mm (Mechanical Surface Detection)

Probe: EX3DV4 - SN3677; ConvF(7.53, 7.53, 7.53); Calibrated: 5/29/2018;

Electronics: DAE4 SN1291; Calibrated: 12/4/2018

Phantom: SAM1; Type: SAM; Serial: TP-1534

Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Top Edge Low/Area Scan (51x111x1): Interpolated grid: dx=10 mm, dy=10 mm

Maximum value of SAR (interpolated) = 0.252 W/kg

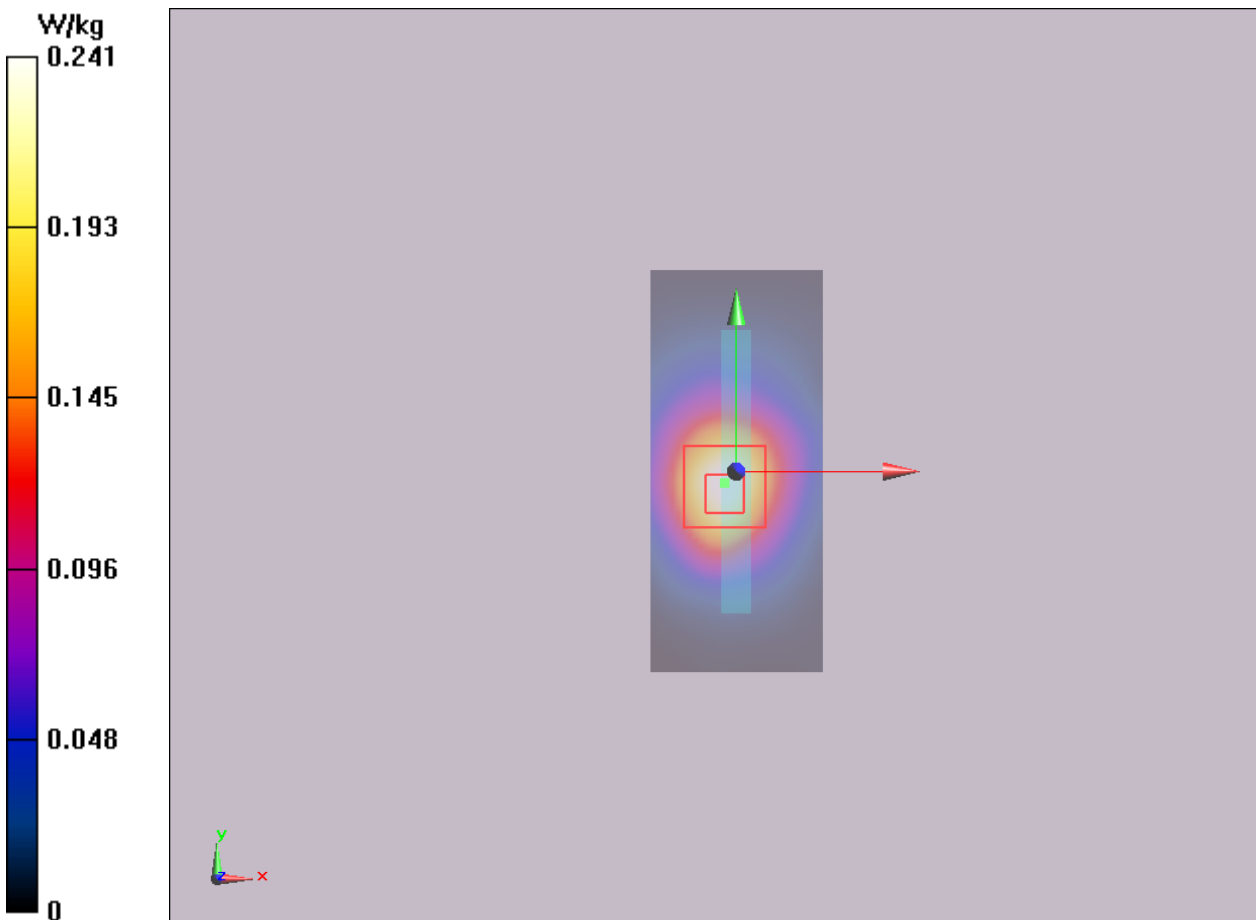
Top Edge Low/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.215 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.0270 W/kg

SAR(1 g) = 0.217 W/kg; SAR(10 g) = 0.128 W/kg

Maximum value of SAR (measured) = 0.241 W/kg



Plot 164 Bluetooth Top Edge Low (Distance 0mm, high)

Date: 4/29/2019

Communication System: UID 0, BT (0); Frequency: 2402 MHz; Duty Cycle: 1:1.304

Medium parameters used: $f = 2402$ MHz; $\sigma = 1.916$ S/m; $\epsilon_r = 51.236$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3 °C Liquid Temperature: 21.5 °C

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 4mm (Mechanical Surface Detection)

Probe: EX3DV4 - SN3677; ConvF(7.53, 7.53, 7.53); Calibrated: 5/29/2018;

Electronics: DAE4 SN1291; Calibrated: 12/4/2018

Phantom: SAM1; Type: SAM; Serial: TP-1534

Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Top Edge Low/Area Scan (51x111x1): Interpolated grid: dx=10 mm, dy=10 mm

Maximum value of SAR (interpolated) = 0.371 W/kg

Top Edge Low/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.708 V/m; Power Drift = 0.078 dB

Peak SAR (extrapolated) = 0.853 W/kg

SAR(1 g) = 0.318 W/kg; SAR(10 g) = 0.309 W/kg

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

