

Plot 116 802.11n HT40 U-NII-2A Left Tilt CH54 (Ant 1-SISO)

Date: 5/7/2019

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) = 0.321 W/kg

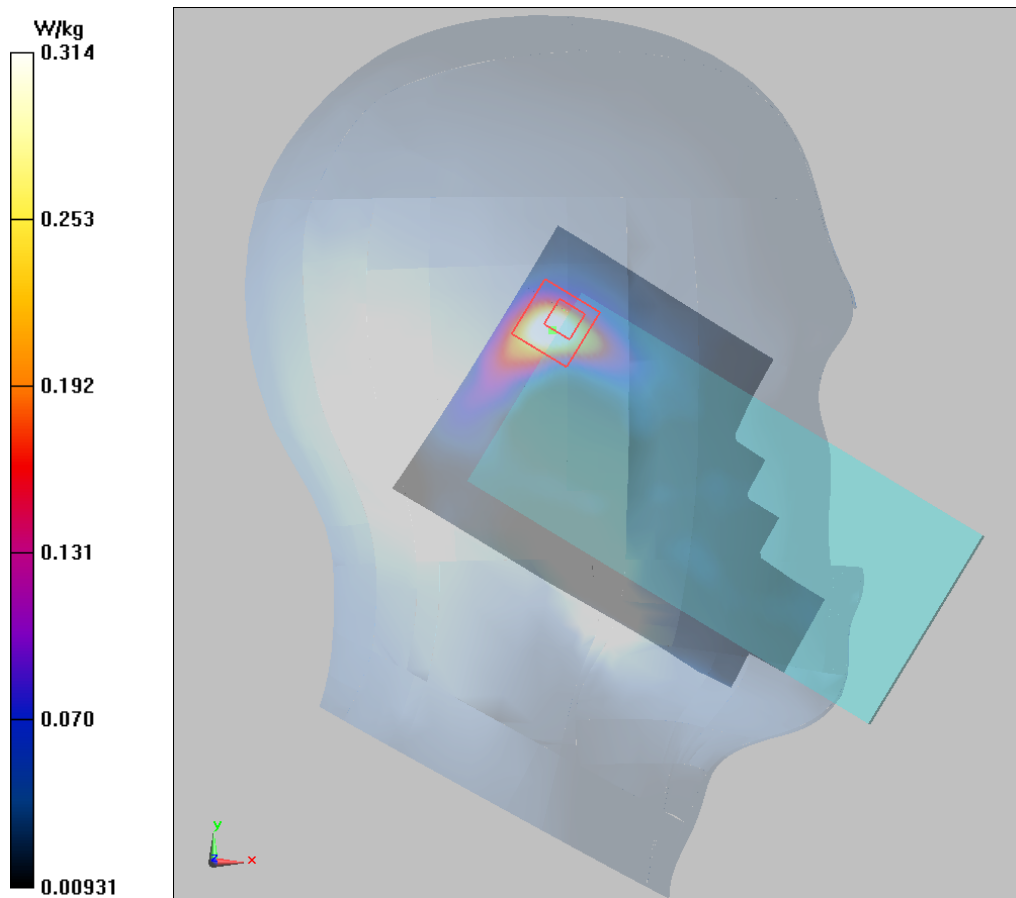
Left Tilt CH54/Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2\text{mm}$

Reference Value = 4.190 V/m ; Power Drift = 0.63 dB

Peak SAR (extrapolated) = 1.06 W/kg

SAR(1 g) = 0.293 W/kg ; SAR(10 g) = 0.109 W/kg

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



Plot 117 802.11a U-NII-2A Back Side CH52 (Distance 15mm, Ant 1-SISO)

Date: 5/7/2019

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) = 0.0778 W/kg

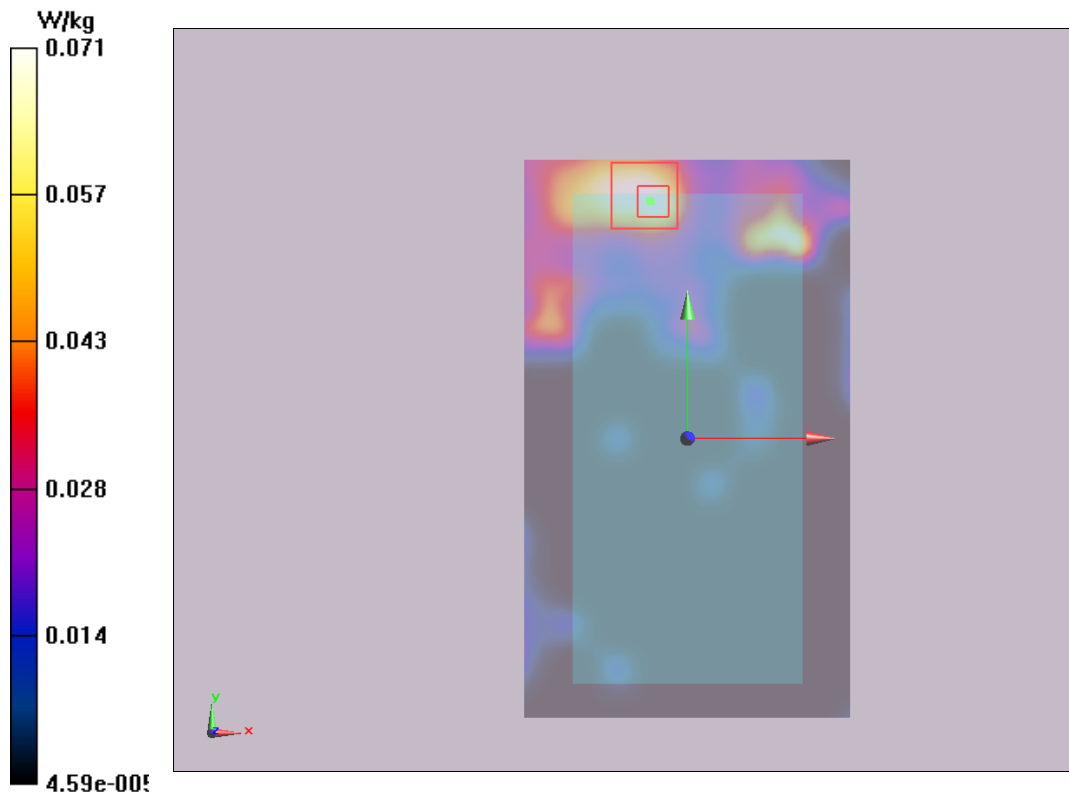
Back Side CH52/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 1.175 V/m; Power Drift = -0.029 dB

Peak SAR (extrapolated) = 0.202 W/kg

SAR(1 g) = 0.036 W/kg; SAR(10 g) = 0.021 W/kg

Maximum value of SAR (measured) = 0.071 W/kg



Plot 118 802.11a U-NII-2A Top Edge CH52 (Distance 0mm, Ant 1-SISO)

Date: 5/7/2019

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

Medium parameters used: $f = 5260$ MHz; $\sigma = 5.435$ S/m; $\epsilon_r = 46.681$; $\rho = 1000$ 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 CH52/Area Scan (111x181x1): Interpolated grid: dx=10 mm, dy=10 mm

Maximum value of SAR (interpolated) = 1.70 W/kg

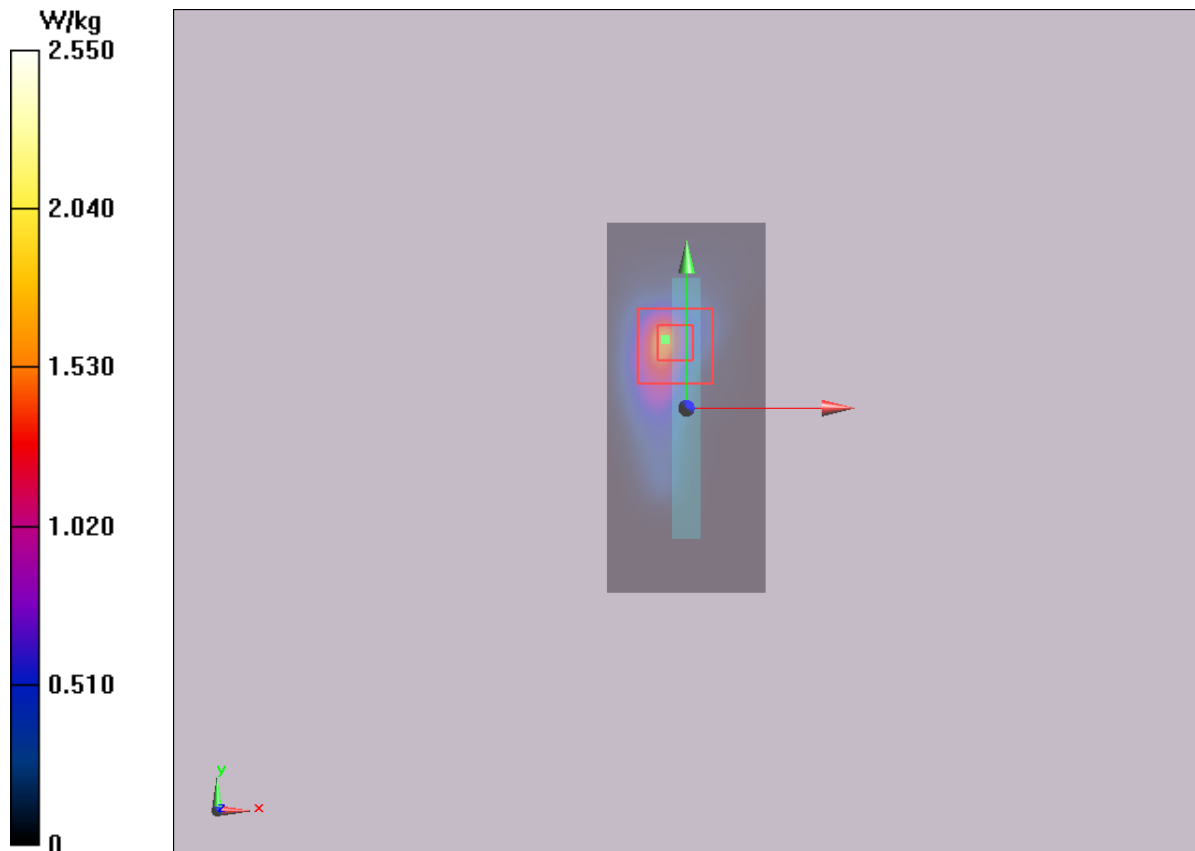
Top Edge CH52/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 12.34 V/m; Power Drift = 0.096 dB

Peak SAR (extrapolated) = 5.56 W/kg

SAR(1 g) = 1.91 W/kg; SAR(10 g) = 0.423 W/kg

Maximum value of SAR (measured) = 2.550 W/kg



Plot 119 802.11n HT40 U-NII-2C Left Tilt CH142 (Ant 1-SISO)

Date: 5/7/2019

Communication System: UID 0, 802.11n HT40 (0); Frequency: 5710 MHz; Duty Cycle: 1:1.0209

Medium parameters used: $f = 5710$ 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 CH142/Area Scan (111x201x1): Interpolated grid: dx=10 mm, dy=10 mm

Maximum value of SAR (interpolated) = 0.482 W/kg

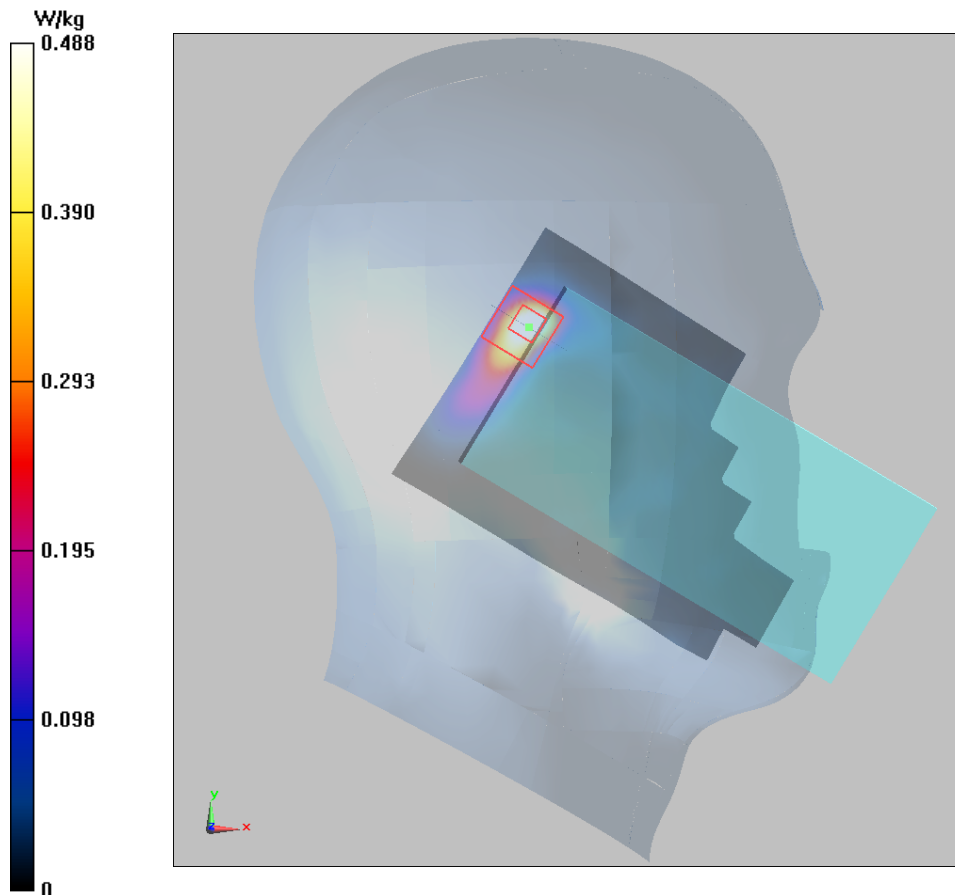
Left Tilt CH142/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 5.760 V/m; Power Drift = 0.088 dB

Peak SAR (extrapolated) = 1.65 W/kg

SAR(1 g) = 0.396 W/kg; SAR(10 g) = 0.133 W/kg

Maximum value of SAR (measured) = 0.488 W/kg



Plot 120 802.11a U-NII-2C Back Side CH116 (Distance 15mm, Ant 1-SISO)

Date: 5/7/2019

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) = 0.079 W/kg

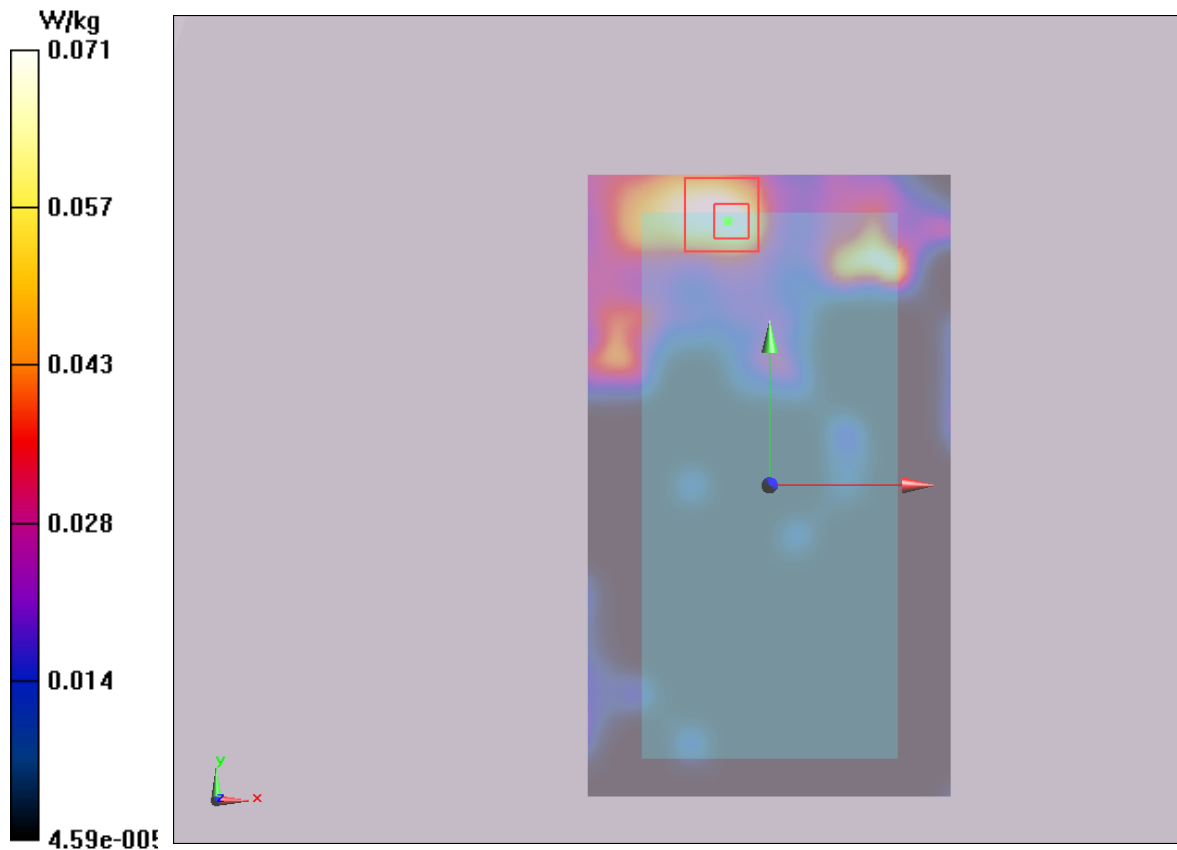
Back Side CH116/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 1.175 V/m; Power Drift = 0.170 dB

Peak SAR (extrapolated) = 0.202 W/kg

SAR(1 g) = 0.067 W/kg; SAR(10 g) = 0.031 W/kg

Maximum value of SAR (measured) = 0.071 W/kg



Plot 121 802.11a U-NII-2C Top Edge CH116 (Distance 0mm, Ant 1-SISO)

Date: 5/7/2019

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)

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

Maximum value of SAR (interpolated) = 3.38 W/kg

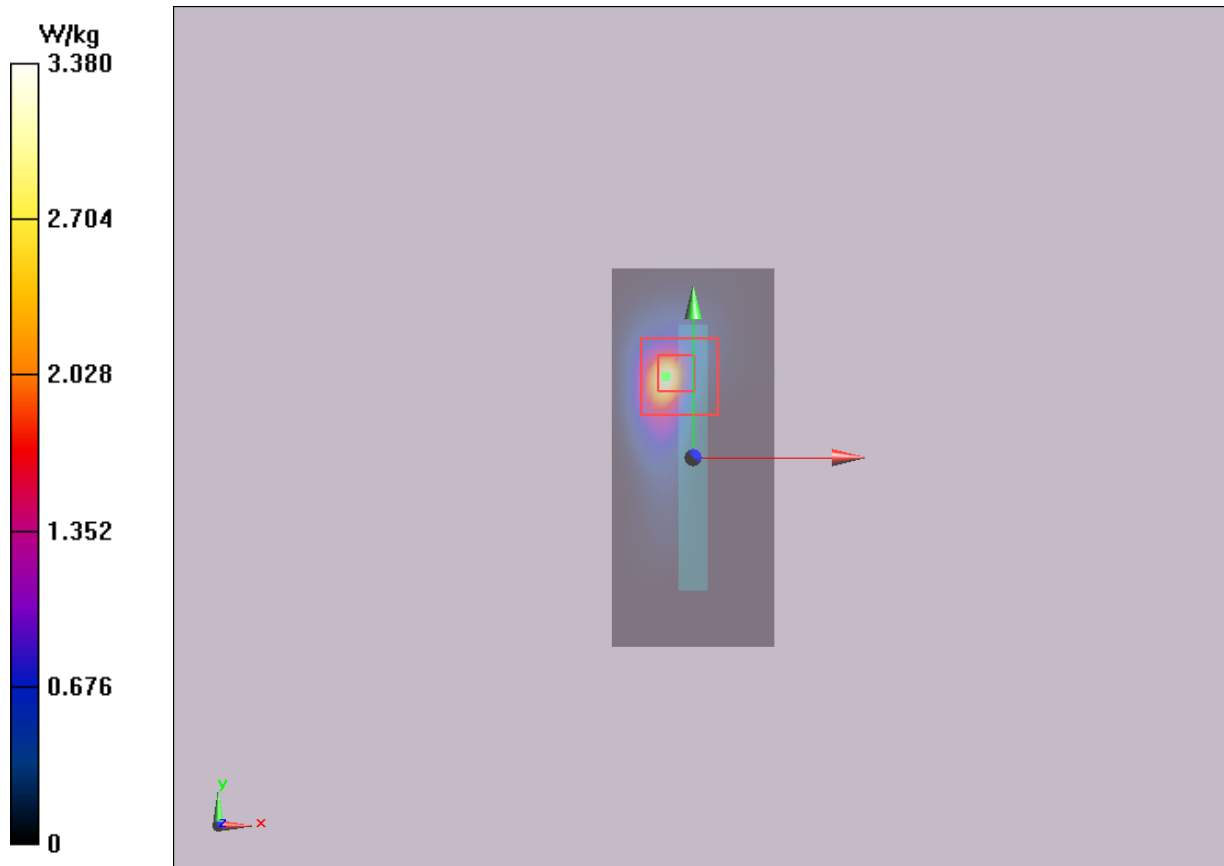
Top Edge CH116/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 9.375 V/m; Power Drift = 0.095 dB

Peak SAR (extrapolated) = 8.21 W/kg

SAR(1 g) = 2.64 W/kg; SAR(10 g) = 0.604 W/kg

Maximum value of SAR (measured) = 3.38 W/kg



Plot 122 802.11n HT40 U-NII-3 Left Cheek CH159 (Ant 1-SISO)

Date: 5/7/2019

Communication System: UID 0, 802.11n HT40 (0); Frequency: 5795 MHz; Duty Cycle: 1:1.020

Medium parameters used: $f = 5795 \text{ MHz}$; $\sigma = 5.303 \text{ S/m}$; $\epsilon_r = 35.636$; $\rho = 1000 \text{ kg/m}^3$

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(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: $dx=10 \text{ mm}$, $dy=10 \text{ mm}$

Maximum value of SAR (interpolated) = 0.320 W/kg

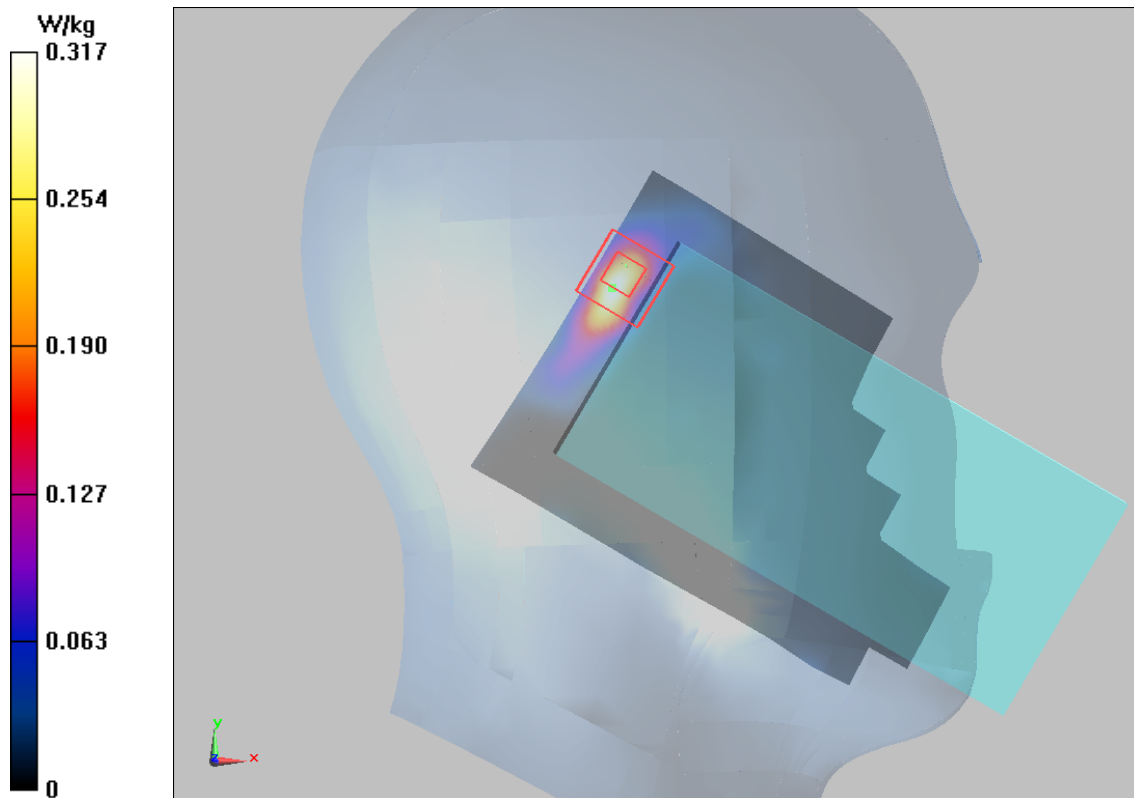
Left Cheek CH159/Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2\text{mm}$

Reference Value = 3.484 V/m ; Power Drift = 0.064 dB

Peak SAR (extrapolated) = 0.761 W/kg

SAR(1 g) = 0.233 W/kg ; SAR(10 g) = 0.115 W/kg

Maximum value of SAR (measured) = 0.317 W/kg



Plot 123 802.11a U-NII-3 Back Side CH157 (Distance 15mm, Ant 1-SISO)

Date: 5/7/2019

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) = 0.0642 W/kg

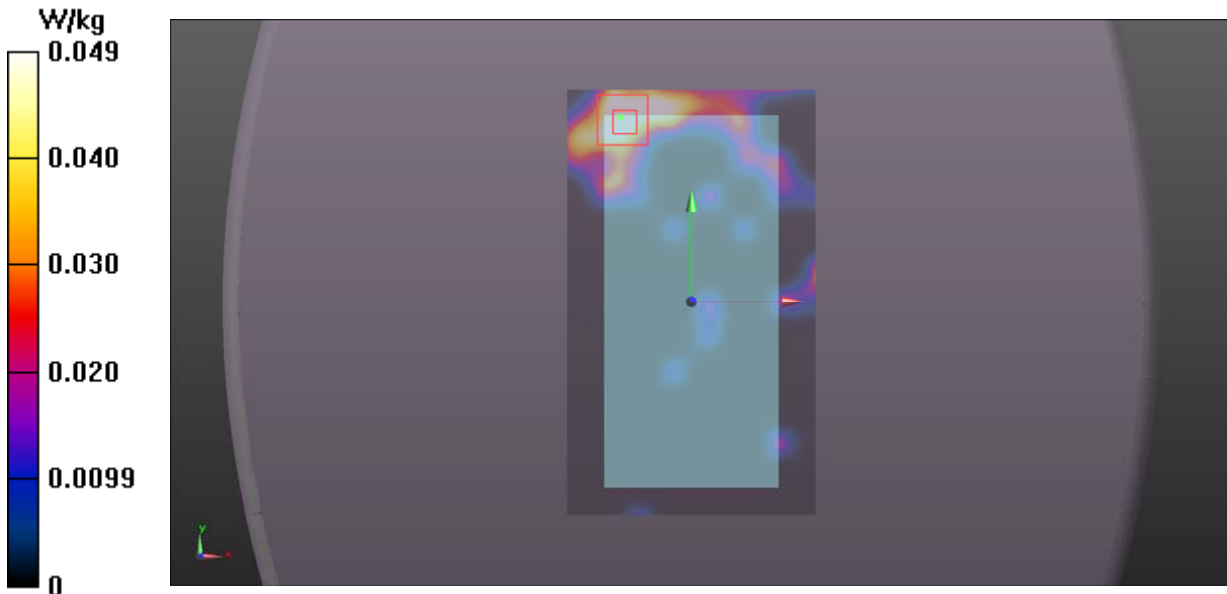
Back Side CH157/Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2\text{mm}$

Reference Value = 0.6720 V/m ; Power Drift = 0.051dB

Peak SAR (extrapolated) = 0.167 W/kg

SAR(1 g) = 0.045 W/kg ; SAR(10 g) = 0.019 W/kg

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



Plot 124 802.11a U-NII-3 Top Edge CH157 (Distance 10mm, Ant 1-SISO)

Date: 5/7/2019

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)

Top Edge CH157/Area Scan (51x111x1): Interpolated grid: $dx=10 \text{ mm}$, $dy=10 \text{ mm}$

Maximum value of SAR (interpolated) = 0.179 W/kg

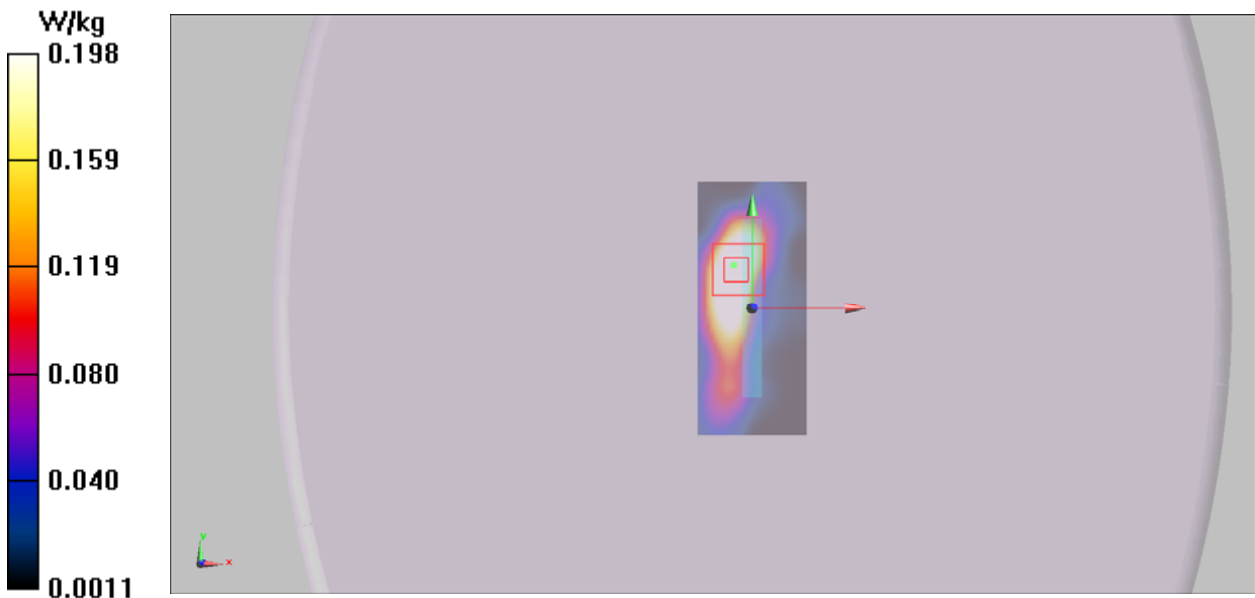
Top Edge CH157/Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2\text{mm}$

Reference Value = 4.646 V/m ; Power Drift = 0.083 dB

Peak SAR (extrapolated) = 1.11 W/kg

SAR(1 g) = 0.147 W/kg ; SAR(10 g) = 0.10 W/kg

Maximum value of SAR (measured) = 0.198 W/kg



Plot 125 802.11a U-NII-1 Back Side CH44 (Distance 10mm, Ant 2-SISO)

Date: 5/7/2019

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)

Back Side CH44/Area Scan (111x181x1): Interpolated grid: dx=10 mm, dy=10 mm

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

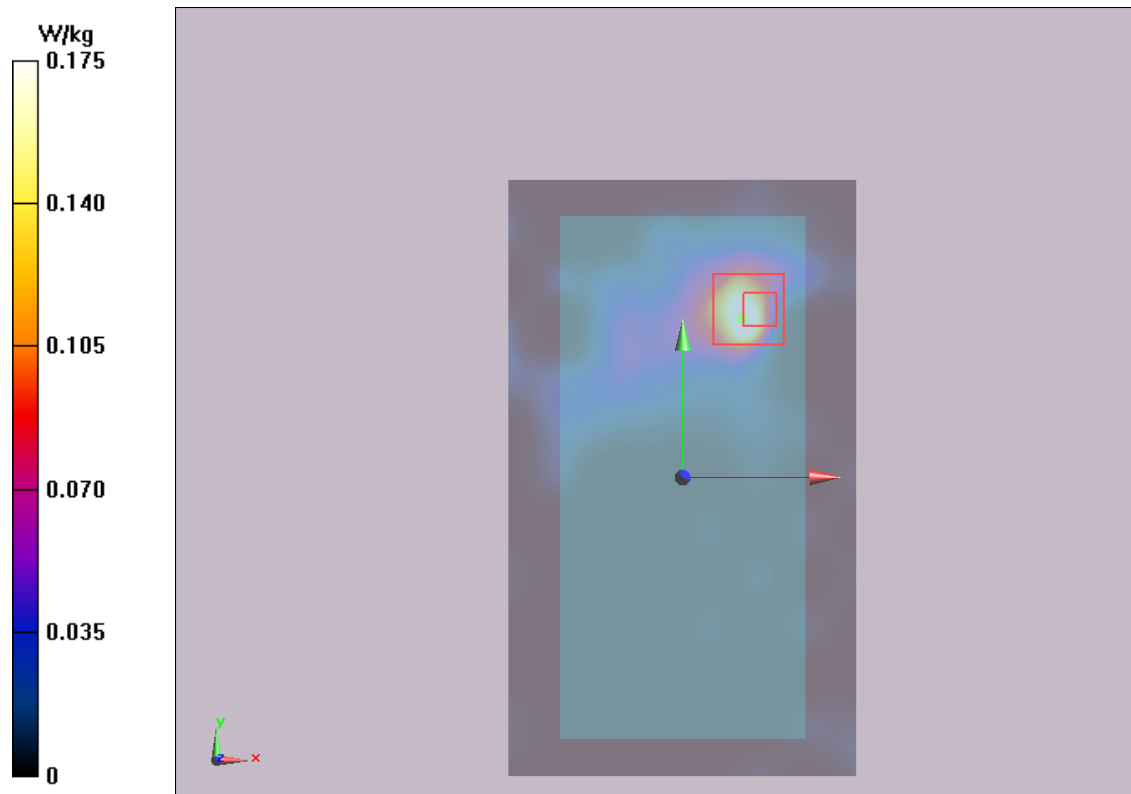
Back Side CH44/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 0.6410 V/m; Power Drift = 0.068 dB

Peak SAR (extrapolated) = 0.464 W/kg

SAR(1 g) = 0.098 W/kg; SAR(10 g) = 0.057 W/kg

Maximum value of SAR (measured) = 0.175 W/kg



Plot 126 802.11n HT40 U-NII-2A Right Cheek CH54 (Ant 2-SISO)

Date: 5/7/2019

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) = 0.071 W/kg

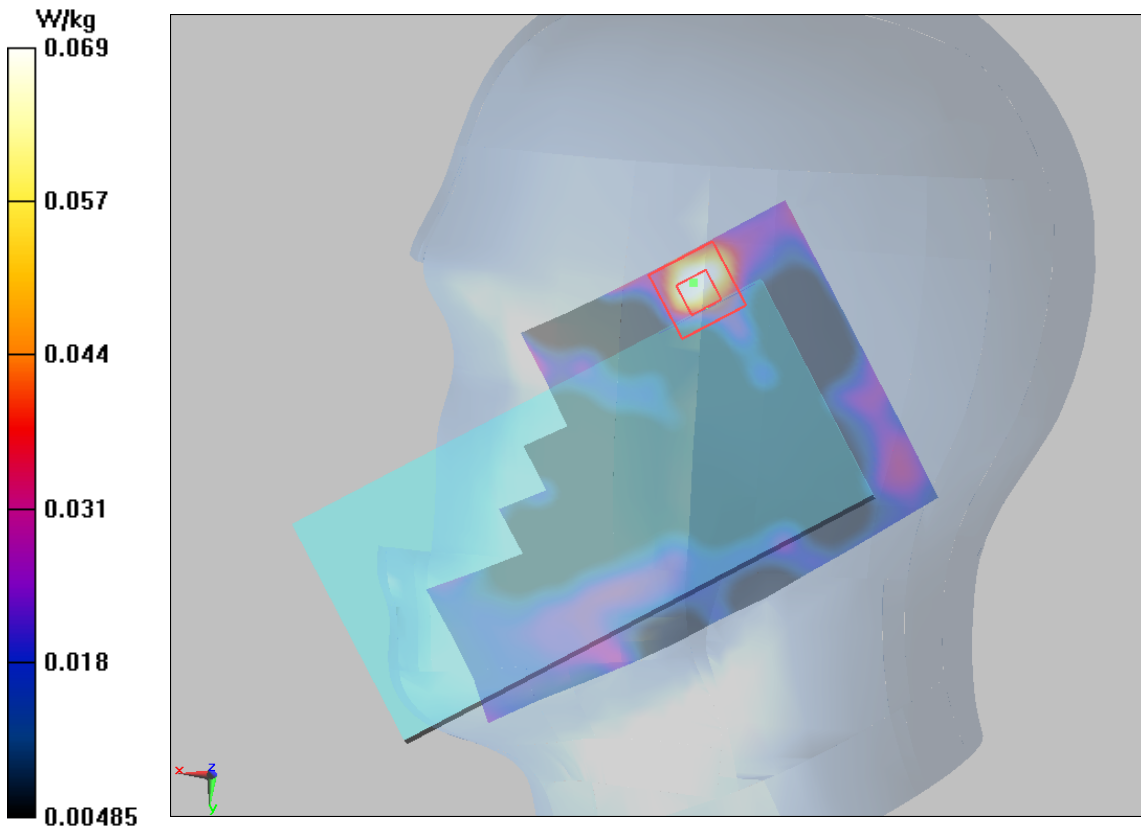
Right Cheek CH54/Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2\text{mm}$

Reference Value = 1.070 V/m ; Power Drift = 0.062 dB

Peak SAR (extrapolated) = 0.295 W/kg

SAR(1 g) = 0.066 W/kg ; SAR(10 g) = 0.032 W/kg

Maximum value of SAR (measured) = 0.069 W/kg



Plot 127 802.11a U-NII-2A Back Side CH60 (Distance 15mm, Ant 2-SISO)

Date: 5/7/2019

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

Medium parameters used: $f = 5300 \text{ MHz}$; $\sigma = 5.478 \text{ S/m}$; $\epsilon_r = 49.057$; $\rho = 1000 \text{ kg/m}^3$

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 CH60/Area Scan (111x181x1): Interpolated grid: $dx=10 \text{ mm}$, $dy=10 \text{ mm}$

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

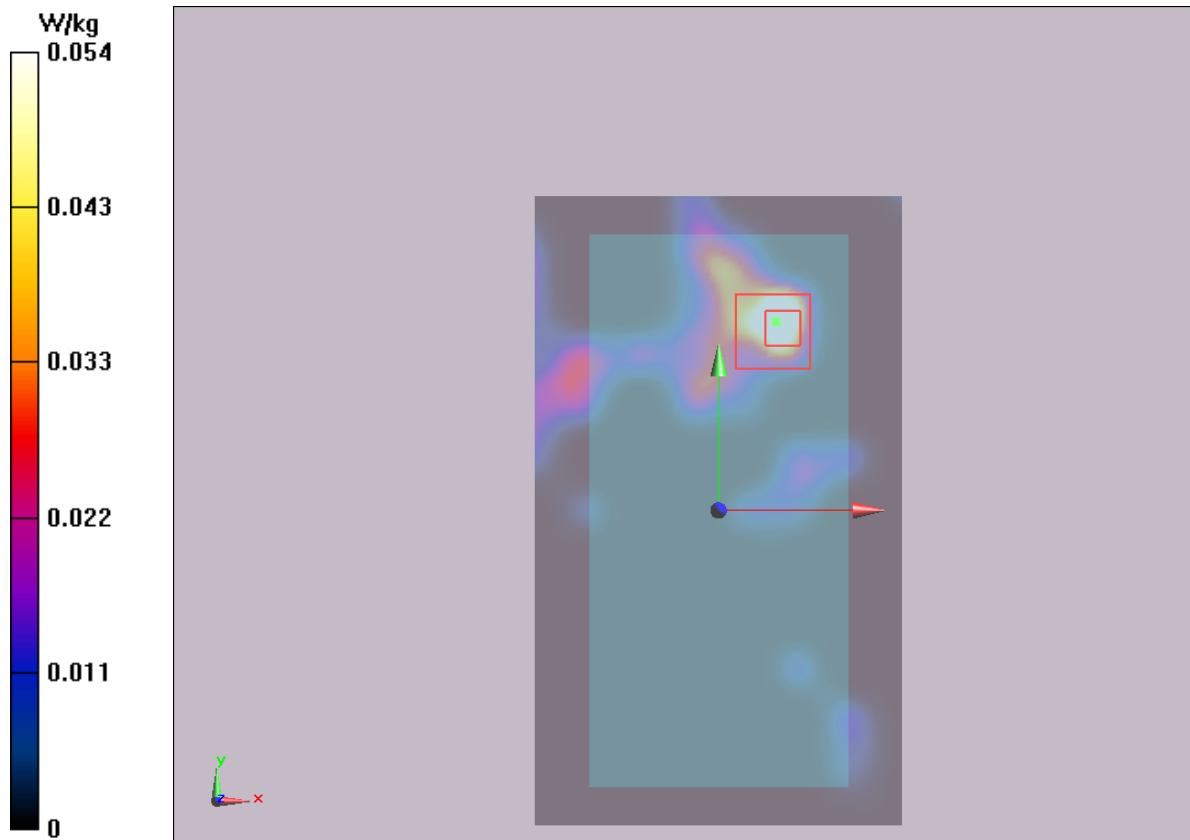
Back Side CH60/Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2\text{mm}$

Reference Value = 0.9530 V/m ; Power Drift = 0.179 dB

Peak SAR (extrapolated) = 0.135 W/kg

SAR(1 g) = 0.053 W/kg ; SAR(10 g) = 0.026 W/kg

Maximum value of SAR (measured) = 0.054 W/kg



Plot 128 802.11a U-NII-2A Back Side CH60 (Distance 0mm, Ant 2-SISO)

Date: 5/7/2019

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) = 0.789 W/kg

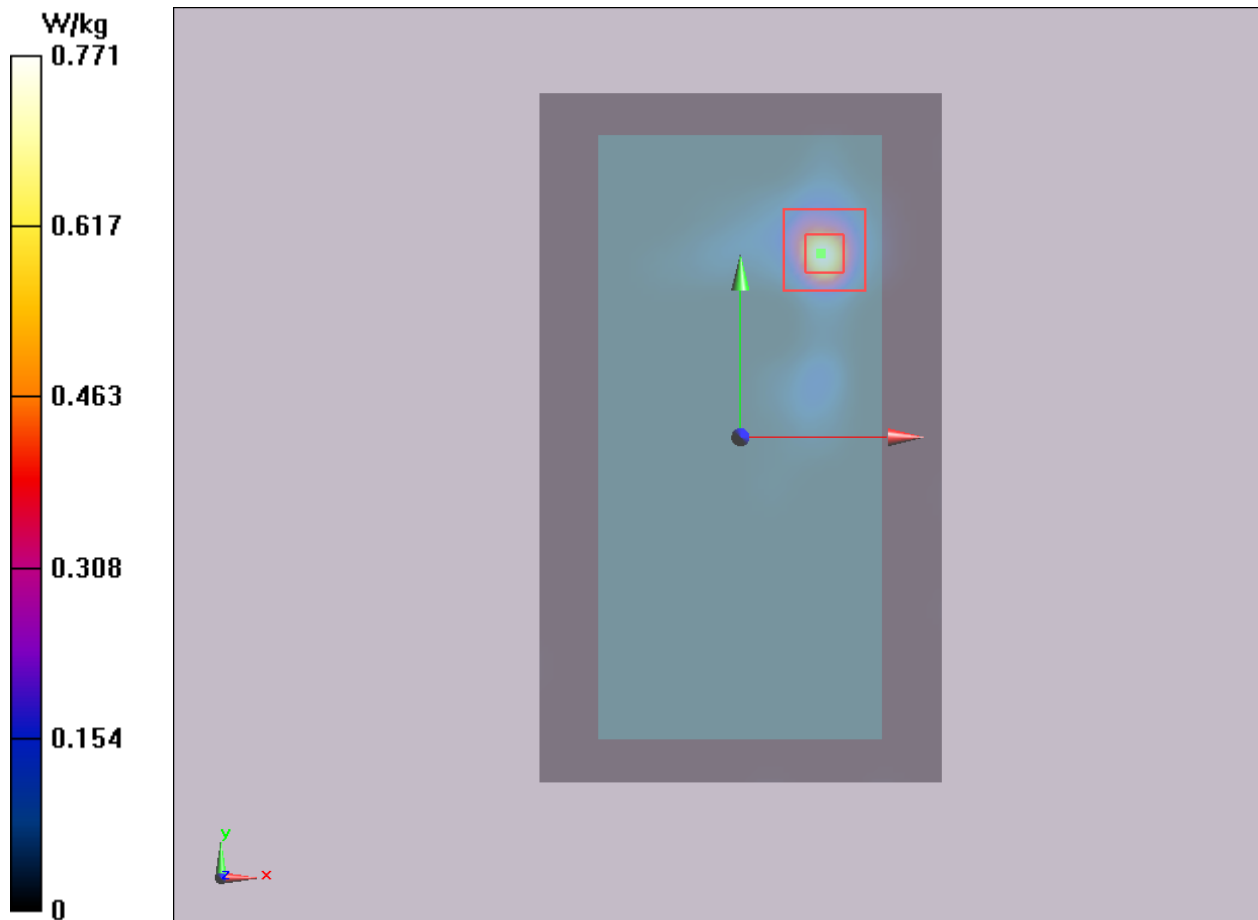
Back Side CH60/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 1.198 V/m; Power Drift = 0.032dB

Peak SAR (extrapolated) = 1.51 W/kg

SAR(1 g) = 0.510 W/kg; SAR(10 g) = 0.149 W/kg

Maximum value of SAR (measured) = 0.771 W/kg



Plot 129 802.11n HT40 U-NII-2C Right Tilt CH118 (Ant 2-SISO)

Date: 5/7/2019

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) = 0.0452 W/kg

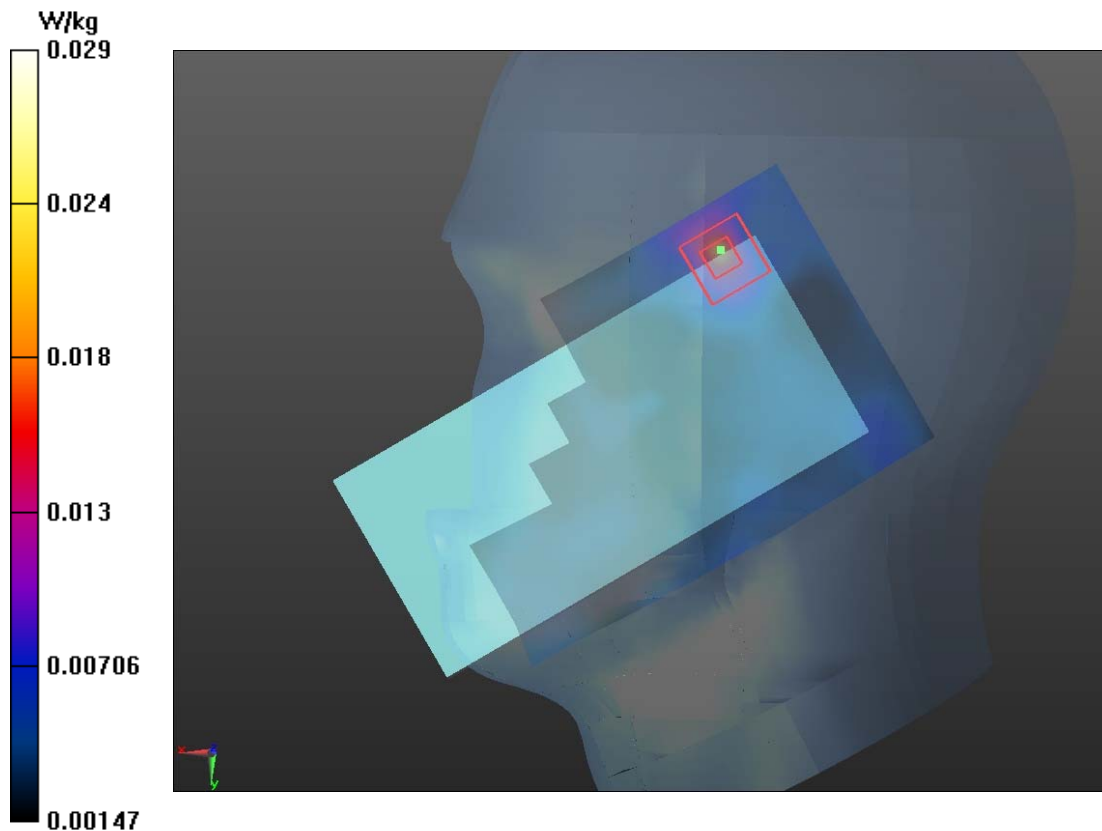
Right Tilt CH118/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 1.906 V/m; Power Drift = 0.026 dB

Peak SAR (extrapolated) = 0.0580 W/kg

SAR(1 g) = 0.026 W/kg; SAR(10 g) = 0.020 W/kg

Maximum value of SAR (measured) = 0.029 W/kg



Plot 130 802.11a U-NII-2C Back Side CH136 (Distance 15mm, Ant 2-SISO)

Date: 5/7/2019

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) = 0.048 W/kg

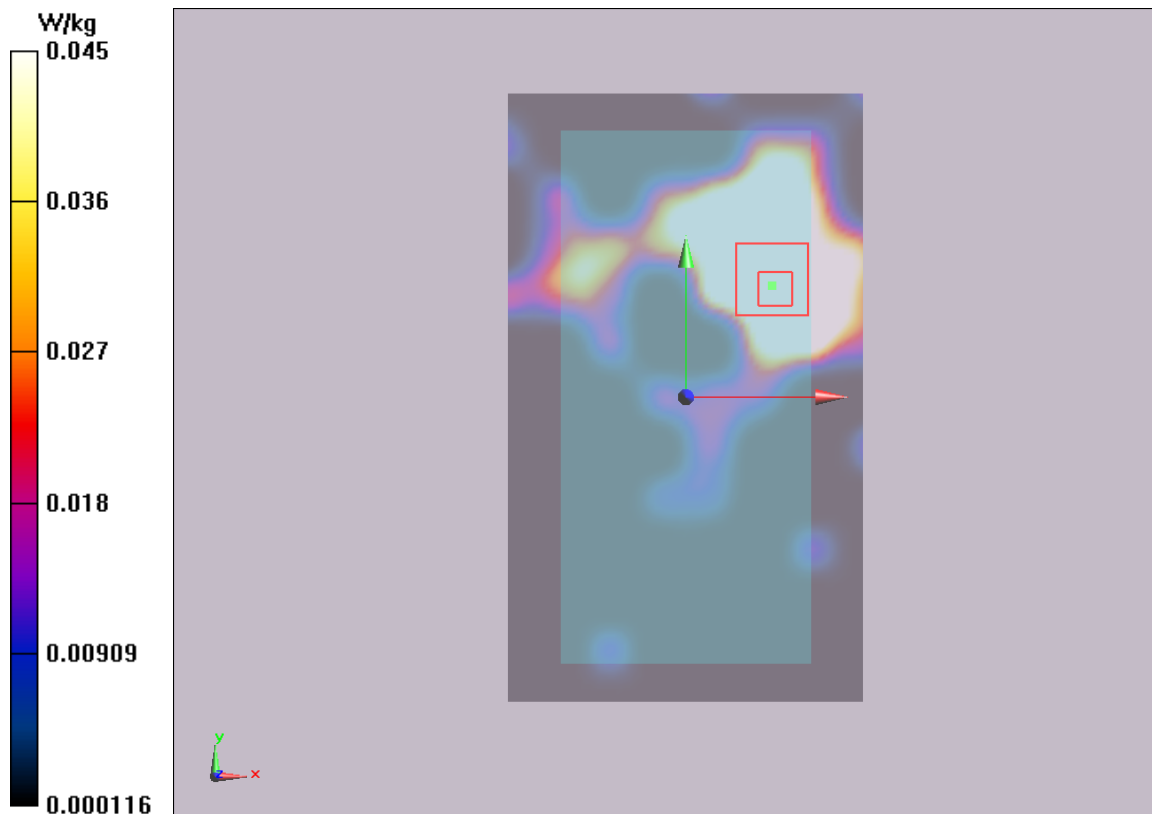
Back Side CH136/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 1.006 V/m; Power Drift = 0.049 dB

Peak SAR (extrapolated) = 0.442 W/kg

SAR(1 g) = 0.038 W/kg; SAR(10 g) = 0.018 W/kg

Maximum value of SAR (measured) = 0.045W/kg



Plot 131 802.11a U-NII-2C Back Side CH136 (Distance 0mm, Ant 2-SISO)

Date: 5/7/2019

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) = 0.939 W/kg

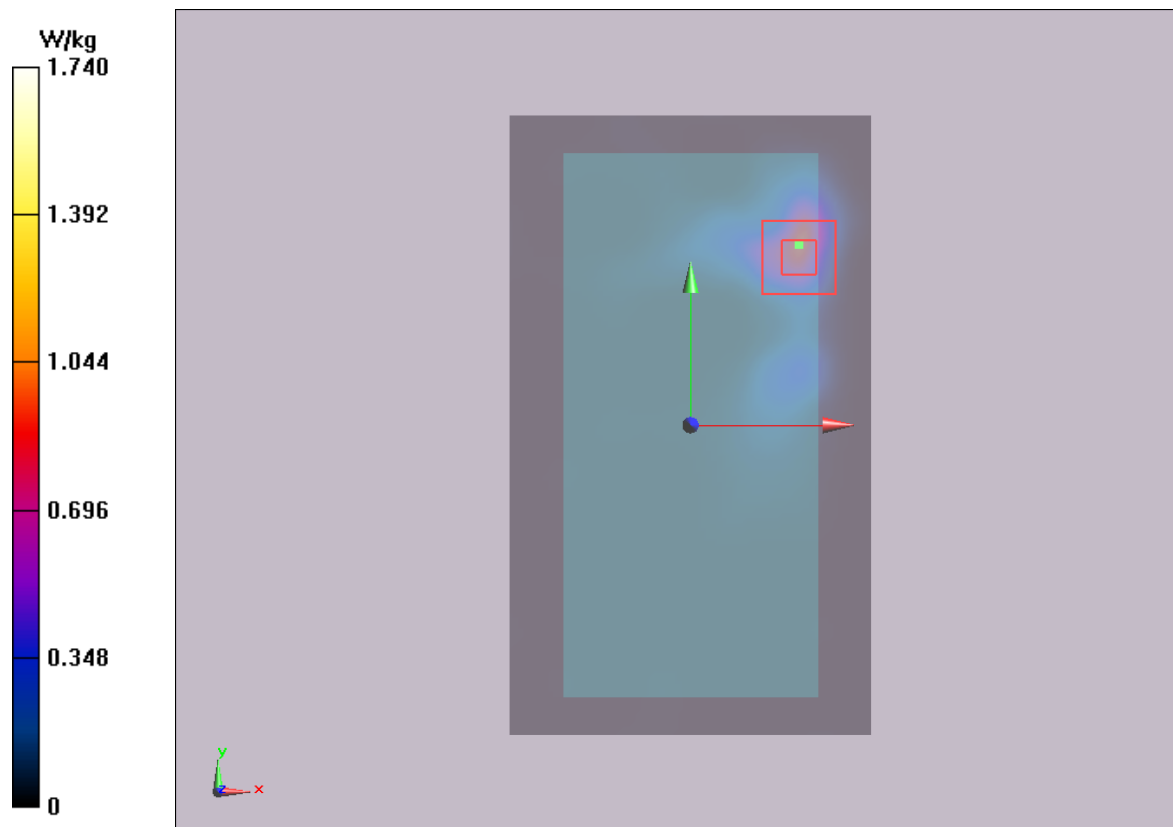
Back Side CH136/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 1.593 V/m; Power Drift = 0.161dB

Peak SAR (extrapolated) = 4.09 W/kg

SAR(1 g) = 1.32 W/kg; SAR(10 g) = 0.371 W/kg

Maximum value of SAR (measured) = 1.740 W/kg



Plot 132 802.11n HT40 U-NII-3 Left Cheek CH159 (Ant 2-SISO)

Date: 5/7/2019

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

Medium parameters used: $f = 5795 \text{ MHz}$; $\sigma = 5 \text{ S/m}$; $\epsilon_r = 35.341$; $\rho = 1000 \text{ kg/m}^3$

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(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: $dx=10 \text{ mm}$, $dy=10 \text{ mm}$

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

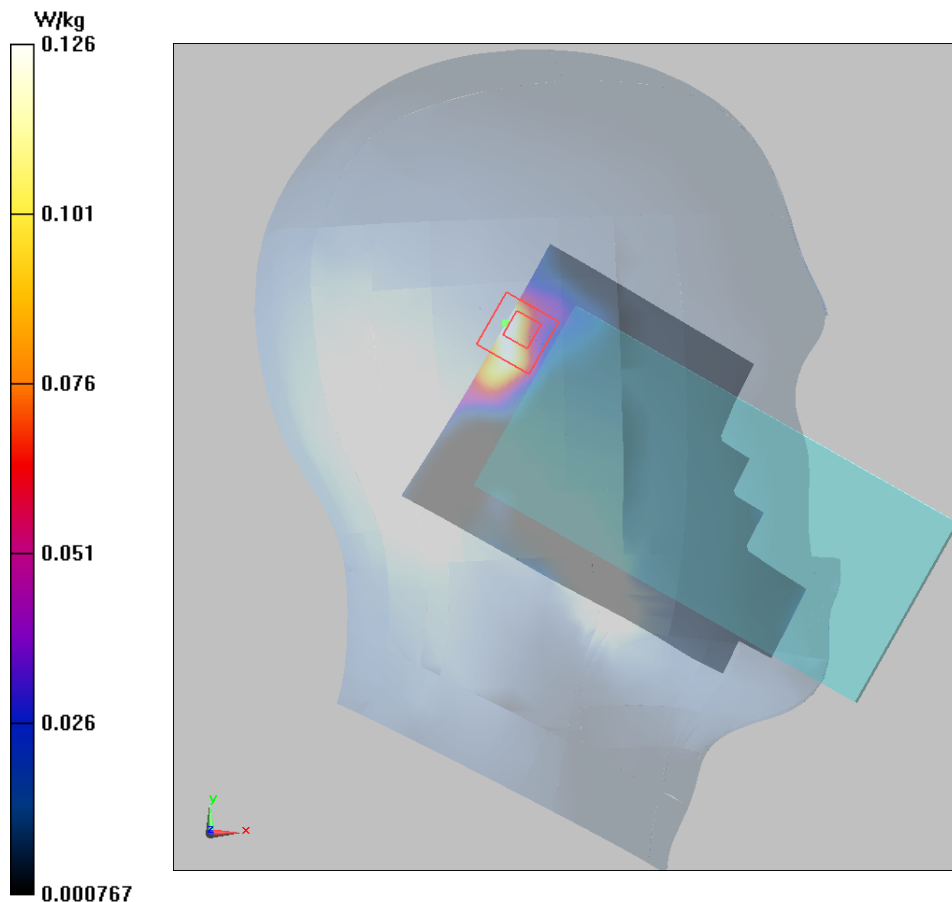
Left Cheek CH159/Zoom Scan(7x7x12)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2\text{mm}$

Reference Value = 2.765 V/m ; Power Drift = 0.068 dB

Peak SAR (extrapolated) = 0.347 W/kg

SAR(1 g) = 0.106 W/kg ; SAR(10 g) = 0.046 W/kg

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



Plot 133 802.11a U-NII-3 Back Side CH161 (Distance 15mm, Ant 2-SISO)

Date: 5/7/2019

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) = 0.034 W/kg

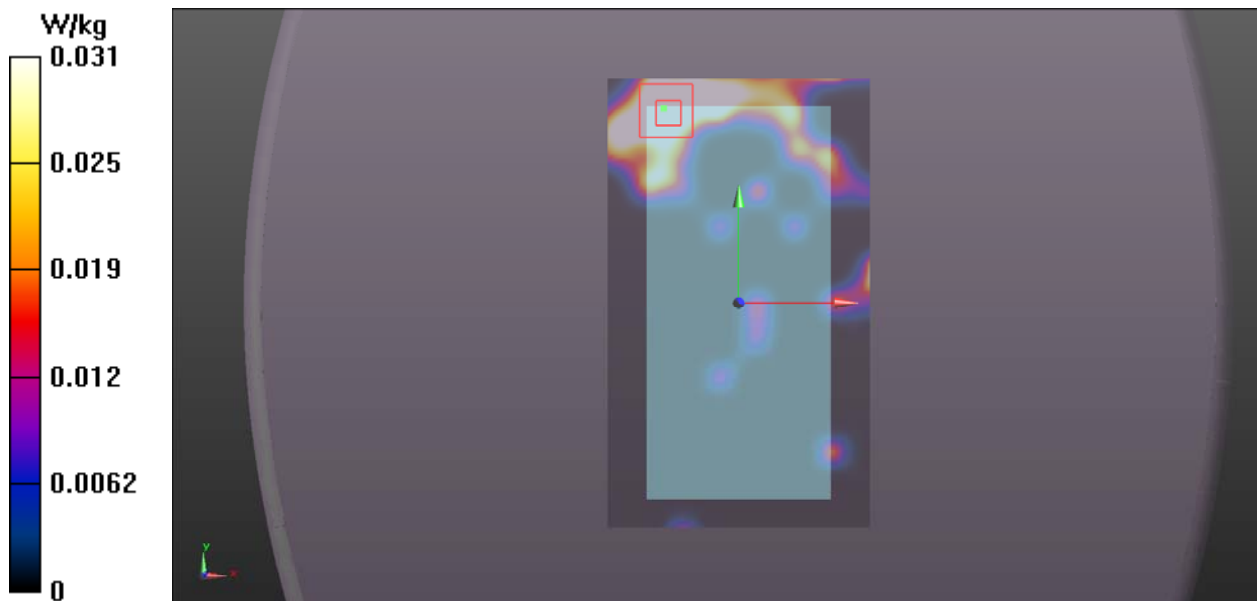
Back Side CH161/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 0.6720 V/m; Power Drift = -0.056 dB

Peak SAR (extrapolated) = 0.099 W/kg

SAR(1 g) = 0.023 W/kg; SAR(10 g) = 0.019 W/kg

Maximum value of SAR (measured) = 0.031 W/kg



Plot 134 802.11a U-NII-3 Back Side CH161 (Distance 10mm, Ant 2-SISO)

Date: 5/7/2019

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) = 0.207 W/kg

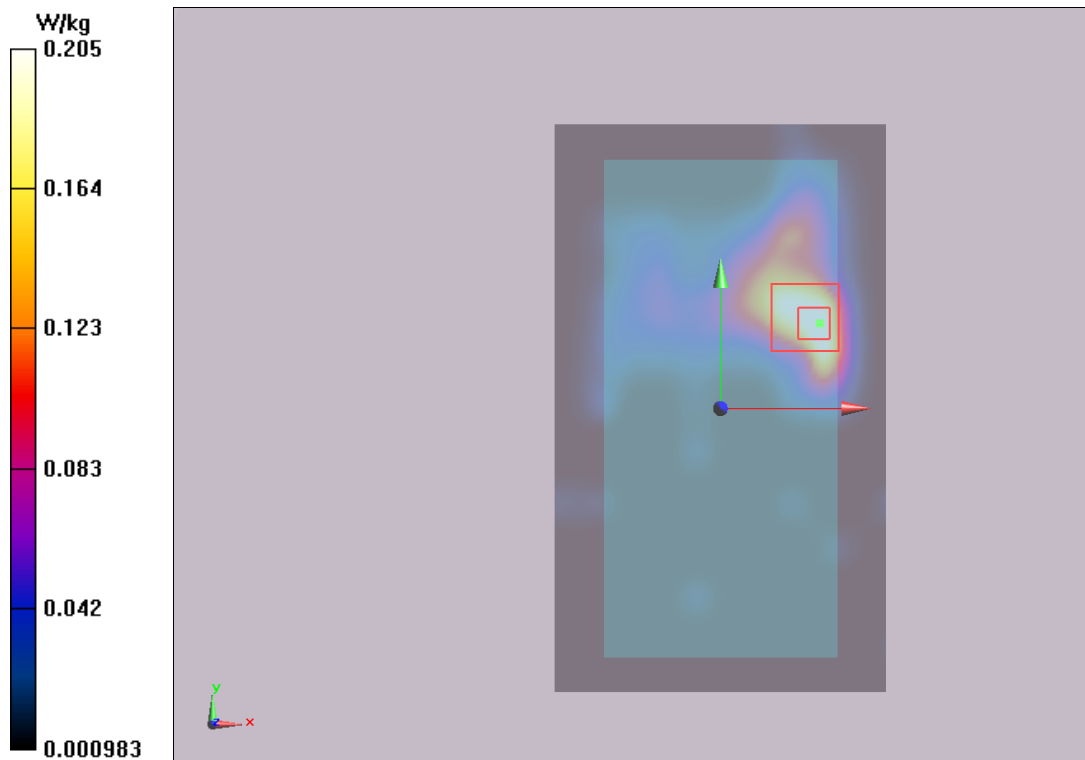
Back Side CH161/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 1.352 V/m; Power Drift = -0.037dB

Peak SAR (extrapolated) = 0.839 W/kg

SAR(1 g) = 0.185 W/kg; SAR(10 g) = 0.098 W/kg

Maximum value of SAR (measured) = 0.205 W/kg



Plot 135 Bluetooth Left Tilt Middle (normal)

Date: 5/7/2019

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) = 0.122 W/kg

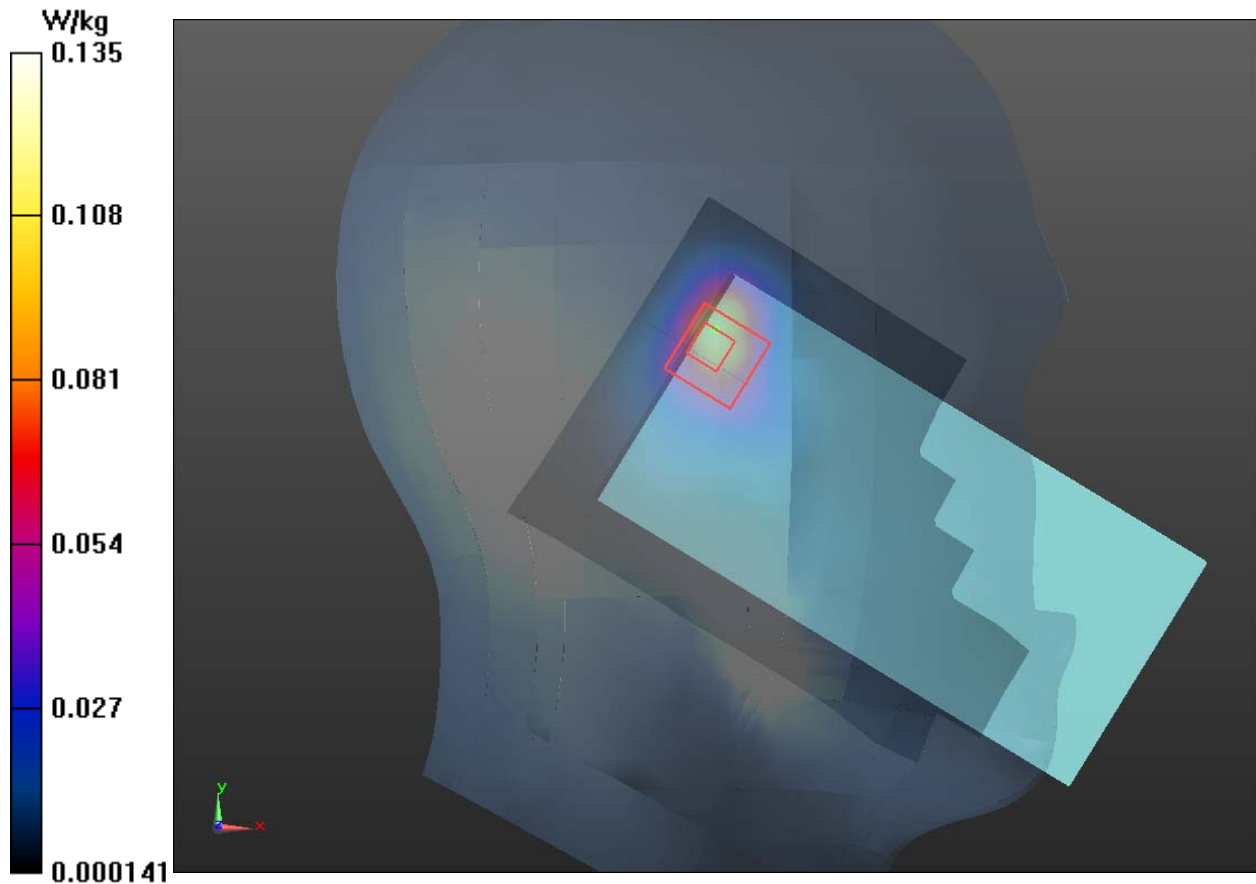
Left Tilt Middle /Zoom Scan(7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.511 V/m; Power Drift = 0.022 dB

Peak SAR (extrapolated) = 0.315 W/kg

SAR(1 g) = 0.105 W/kg; SAR(10 g) = 0.047 W/kg

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



Plot 136 Bluetooth Front Side Middle (Distance 15mm, normal)

Date: 5/6/2019

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

Medium parameters used: $f = 2441 \text{ MHz}$; $\sigma = 1.964 \text{ S/m}$; $\epsilon_r = 51.118$; $\rho = 1000 \text{ kg/m}^3$

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(7.53, 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: $dx=12 \text{ mm}$, $dy=12 \text{ mm}$

Maximum value of SAR (interpolated) = 0.0155 W/kg

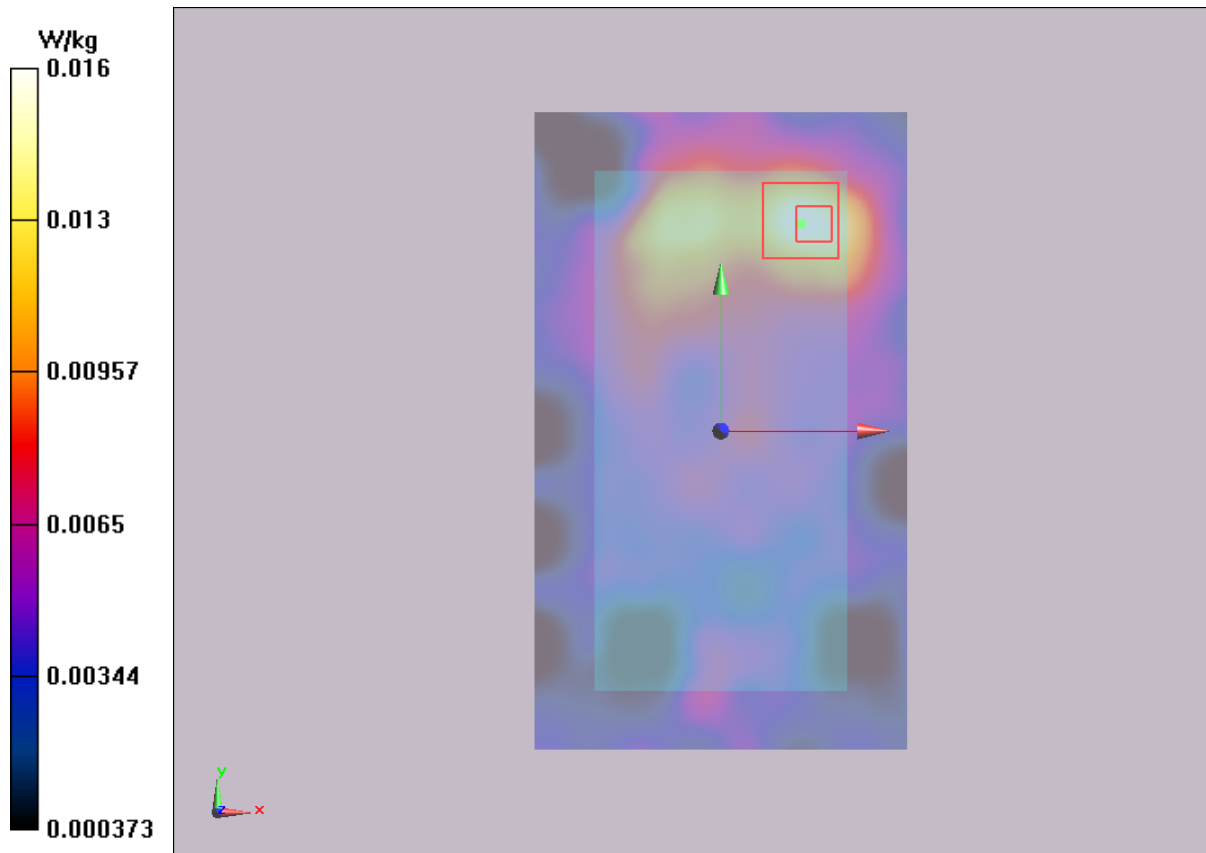
Front Side Middle/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 1.693 V/m ; Power Drift = -0.026dB

Peak SAR (extrapolated) = 0.0390 W/kg

SAR(1 g) = 0.001W/kg ; SAR(10 g) = 0.00011 W/kg

Maximum value of SAR (measured) = 0.016 W/kg



Plot 137 Bluetooth Front Side Low (Distance 15mm, high)

Date: 5/6/2019

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) = 0.066 W/kg

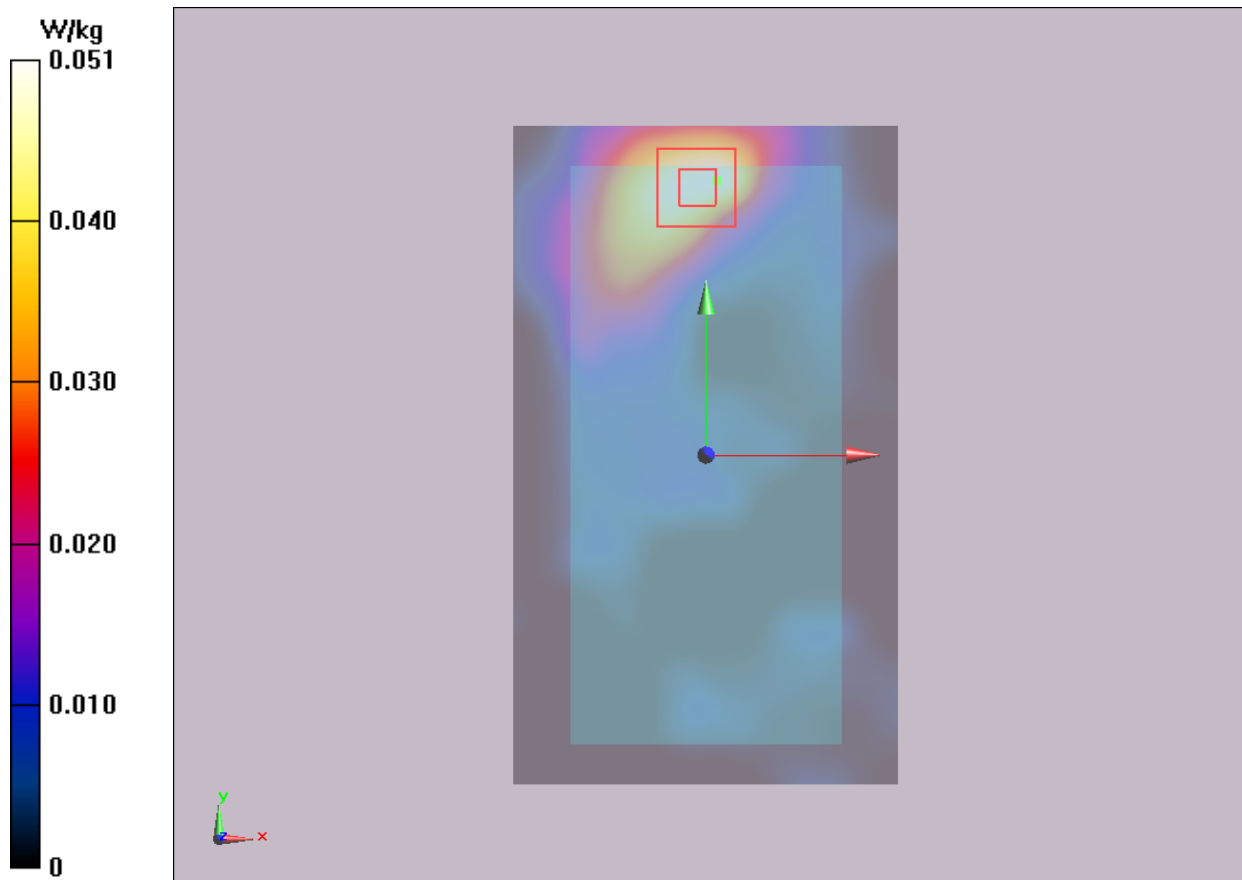
Front Side Low/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 0.3551 V/m; Power Drift = 0.052 dB

Peak SAR (extrapolated) = 0.077 W/kg

SAR(1 g) = 0.036 W/kg; SAR(10 g) = 0.0162 W/kg

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



Plot 138 Bluetooth Top Edge Middle (Distance 10mm, normal)

Date: 5/6/2019

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 (41x91x1): Interpolated grid: dx=12 mm, dy=12 mm

Maximum value of SAR (interpolated) = 0.061 W/kg

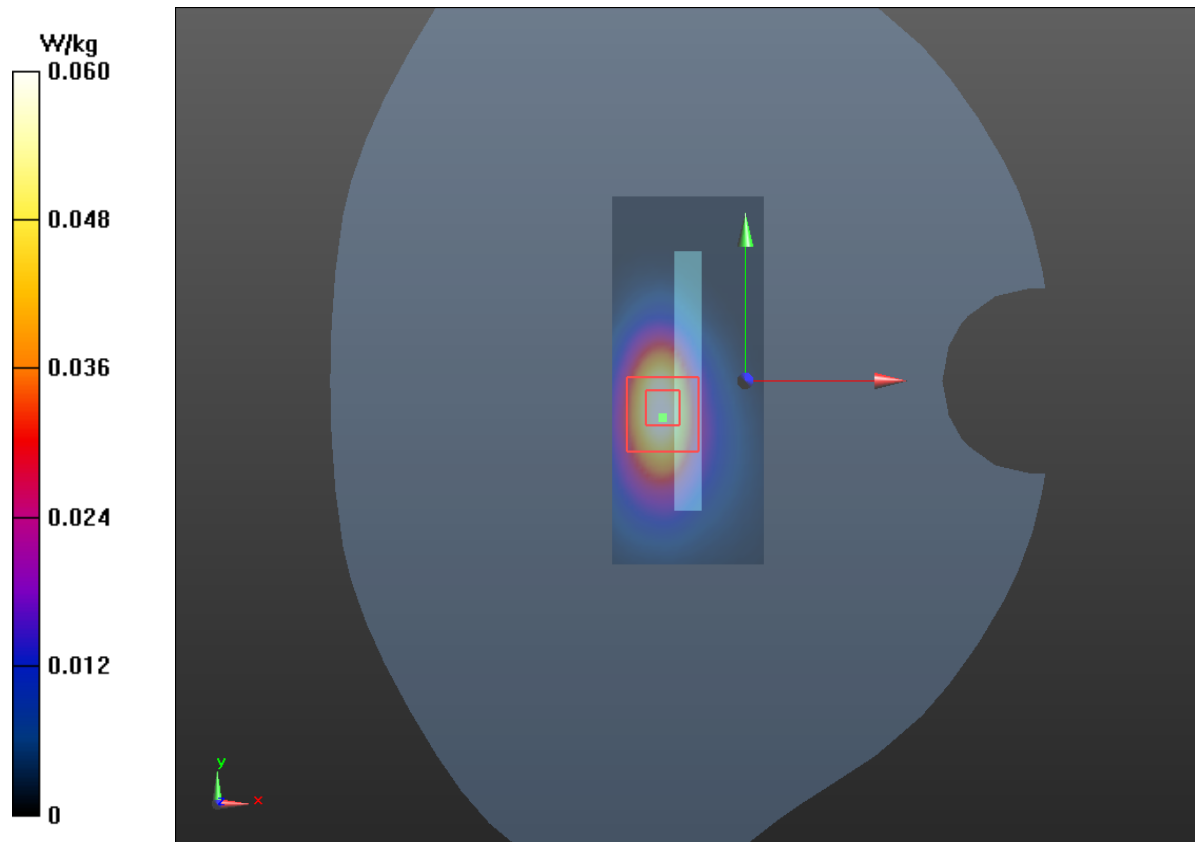
Top Edge Low/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.215 V/m; Power Drift = -0.017dB

Peak SAR (extrapolated) = 0.0270 W/kg

SAR(1 g) = 0.049 W/kg; SAR(10 g) = 0.027 W/kg

Maximum value of SAR (measured) = 0.060 W/kg



Plot 139 Bluetooth Top Edge Low (Distance 10mm, high)

Date: 5/6/2019

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 (41x91x1): Interpolated grid: dx=12 mm, dy=12 mm

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

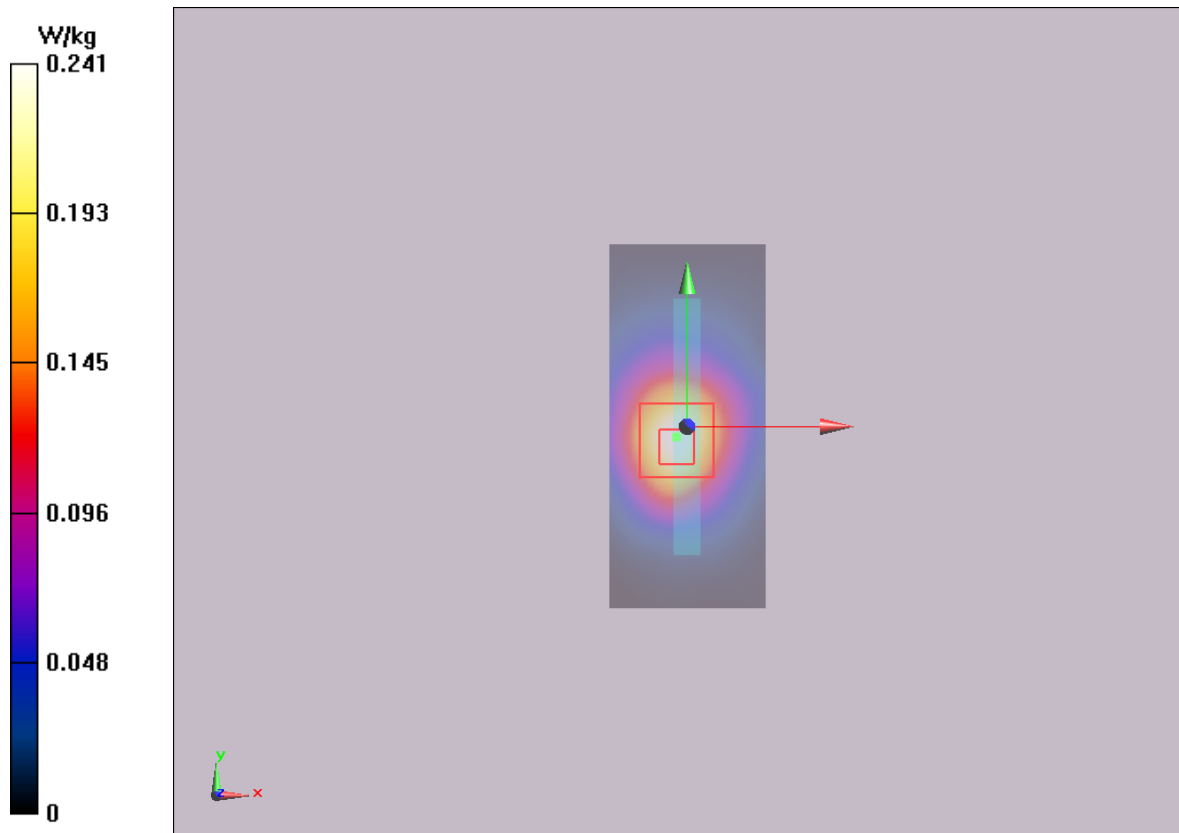
Top Edge Low/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.215 V/m; Power Drift = 0.046 dB

Peak SAR (extrapolated) = 0.0270 W/kg

SAR(1 g) = 0.205 W/kg; SAR(10 g) = 0.112 W/kg

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



Plot 140 Bluetooth Top Edge Low (Distance 0mm, high)

Date: 5/6/2019

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) = 0.390 W/kg

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

Reference Value = 5.409 V/m; Power Drift = 0.101dB

Peak SAR (extrapolated) = 0.544 W/kg

SAR(1 g) = 0.357 W/kg; SAR(10 g) = 0.301 W/kg

Maximum value of SAR (measured) = 0.383 W/kg

