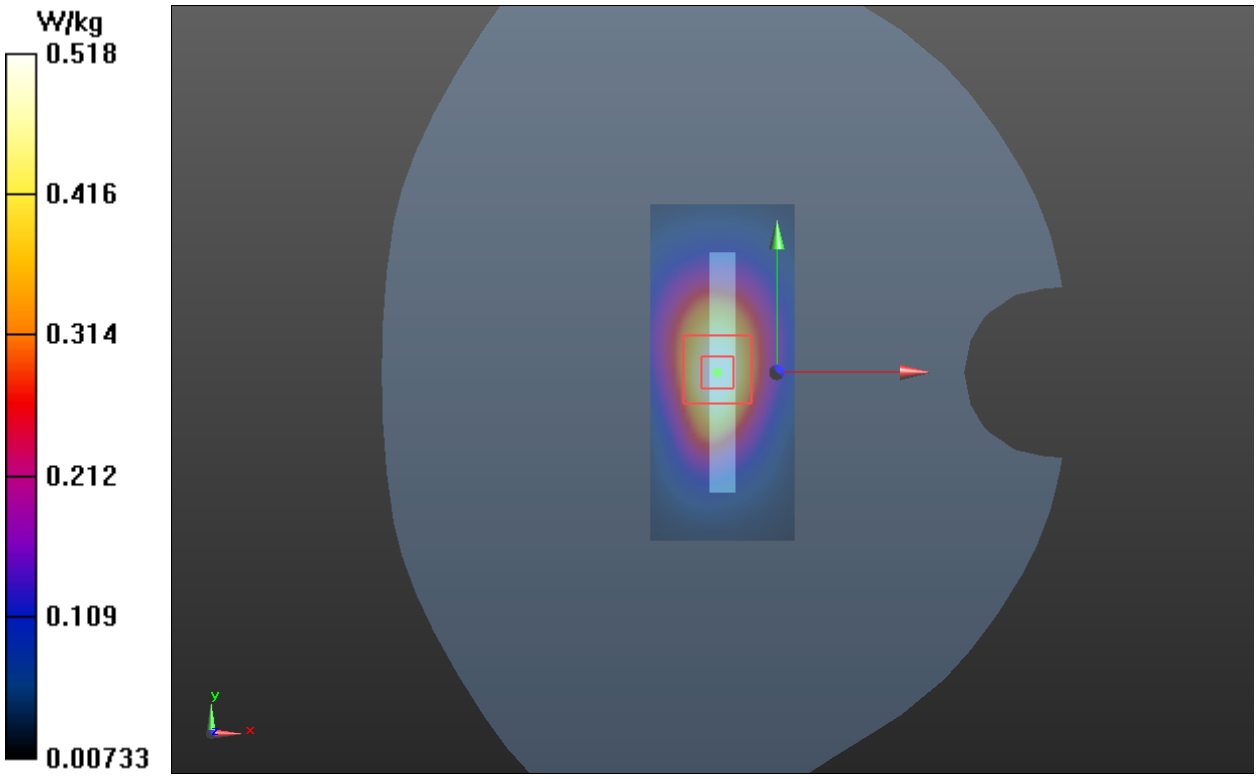
Plot 101 UMTS Band II Top Edge Middle (Distance 10mm)

Date: 7/28/2019
Communication System: UID 0, WCDMA II (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; σ = 1.42 S/m; ε_r = 38.948; ρ = 1000 kg/m^3
Ambient Temperature:22.3 ℃ Liquid Temperature: 21.5℃
Phantom section: Flat Section
DASY5 Configuration:
Sensor-Surface: 4mm (Mechanical Surface Detection)
Probe: EX3DV4 - SN3677; ConvF(7.79, 7.79, 7.79); Calibrated: 6/19/2019;
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 Middle/Area Scan (51x91x1): Interpolated grid: dx=10 mm, dy=10 mm Maximum value of SAR (interpolated) = 0.550 W/kg

op Edge Middle/Zoom Scan(7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 19.14 V/m; Power Drift = -0.020 dB
Peak SAR (extrapolated) = 0.784 W/kg
SAR(1 g) = 0.473 W/kg; SAR(10 g) = 0.269 W/kg

Maximum value of SAR (measured) = 0.518 W/kg



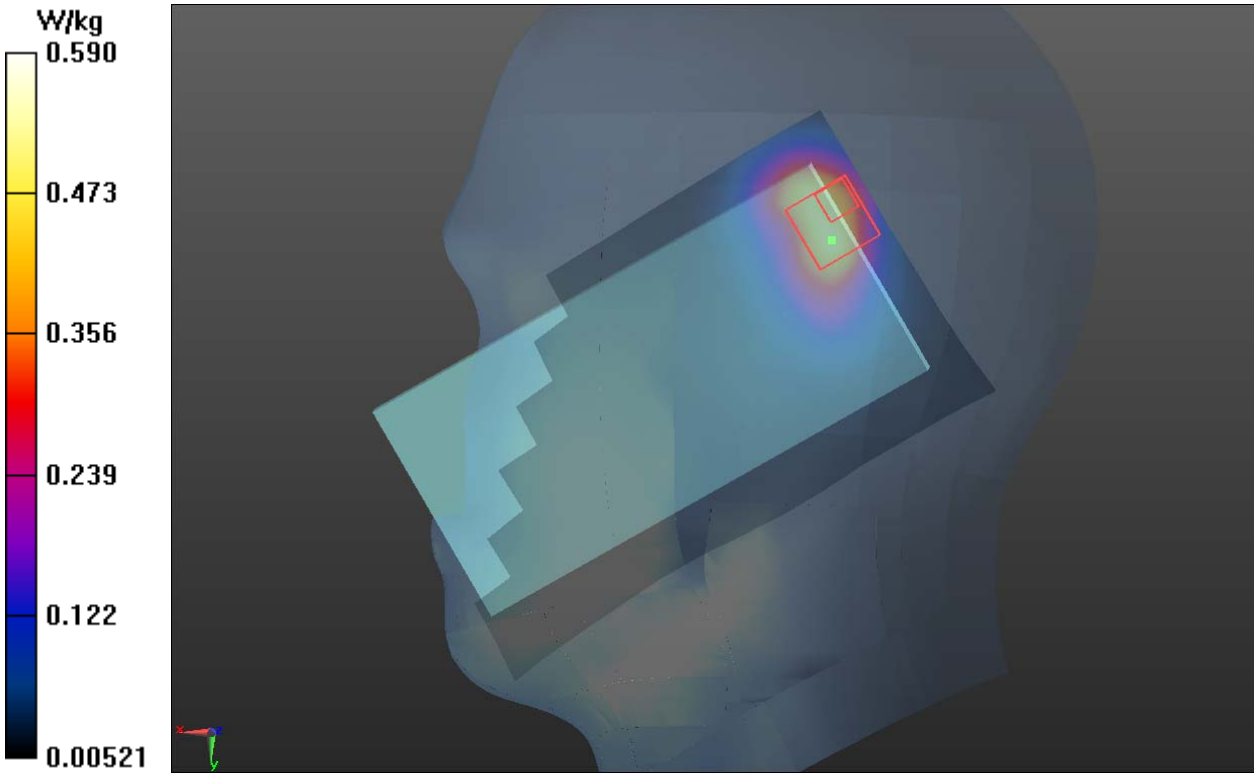
Plot 102 UMTS Band IV Right Tilt Middle

Date: 8/6/2019
Communication System: UID 0, WCDMA IV (0); Frequency: 1732.6 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1733 MHz; σ = 1.312 S/m; ε_r = 39.365; ρ = 1000 kg/m^3
Ambient Temperature:22.3 ℃ Liquid Temperature: 21.5℃
Phantom section: Right Section
DASY5 Configuration:
Sensor-Surface: 4mm (Mechanical Surface Detection)
Probe: EX3DV4 - SN3677; ConvF(8.21, 8.21, 8.21); Calibrated: 6/19/2019;
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 Middle/Area Scan (71x121x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.489 W/kg

Right Tilt Middle/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.534 V/m; Power Drift = 0.020 dB
Peak SAR (extrapolated) = 1.19 W/kg
SAR(1 g) = 0.498 W/kg; SAR(10 g) = 0.255 W/kg

Maximum value of SAR (measured) = 0.590 W/kg



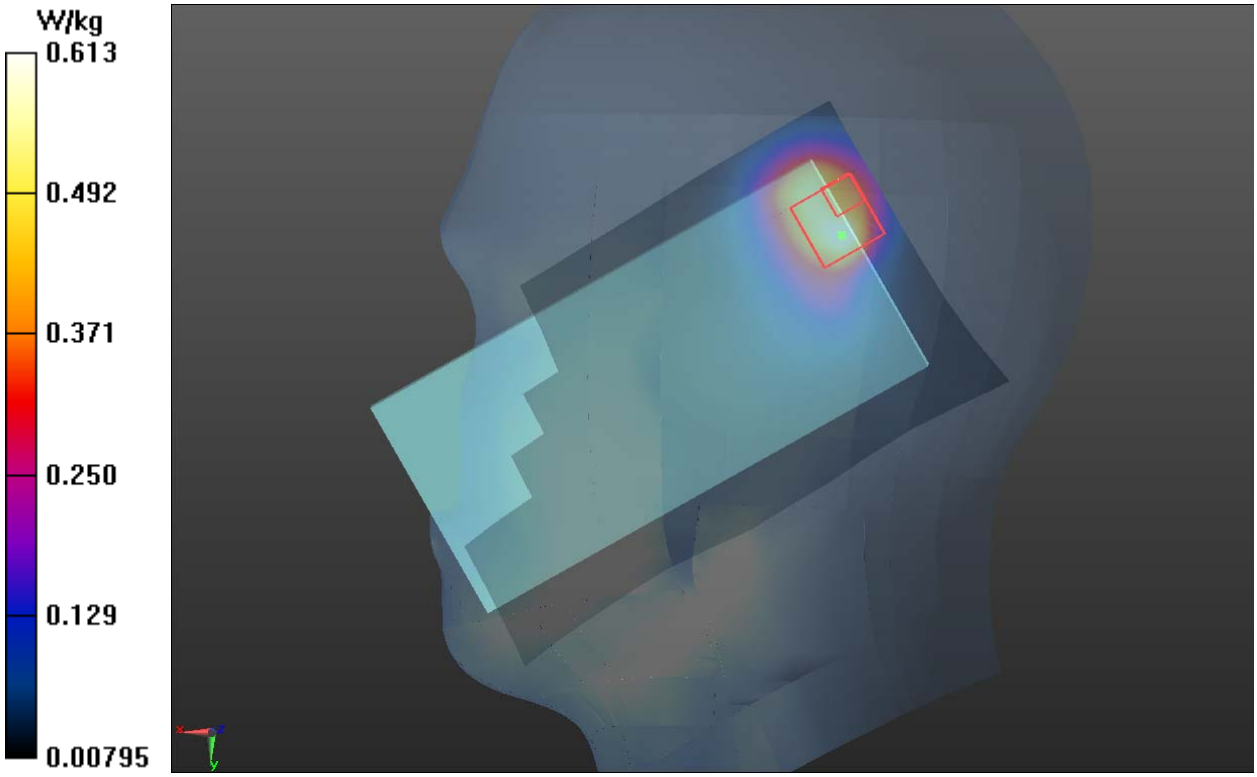
Plot 103 UMTS Band IV Right Tilt High (best acoustic position)

Date: 8/6/2019
Communication System: UID 0, WCDMA II (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; σ = 1.42 S/m; ε_r = 38.948; ρ = 1000 kg/m^3
Ambient Temperature:22.3 ℃ Liquid Temperature: 21.5℃
Phantom section: Right Section
DASY5 Configuration:
Sensor-Surface: 4mm (Mechanical Surface Detection)
Probe: EX3DV4 - SN3677; ConvF(8.21, 8.21, 8.21); Calibrated: 6/19/2019;
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 High/Area Scan (71x131x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.612 W/kg

Right Tilt High/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.505 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 1.27 W/kg
SAR(1 g) = 0.524 W/kg; SAR(10 g) = 0.278 W/kg

Maximum value of SAR (measured) = 0.613 W/kg



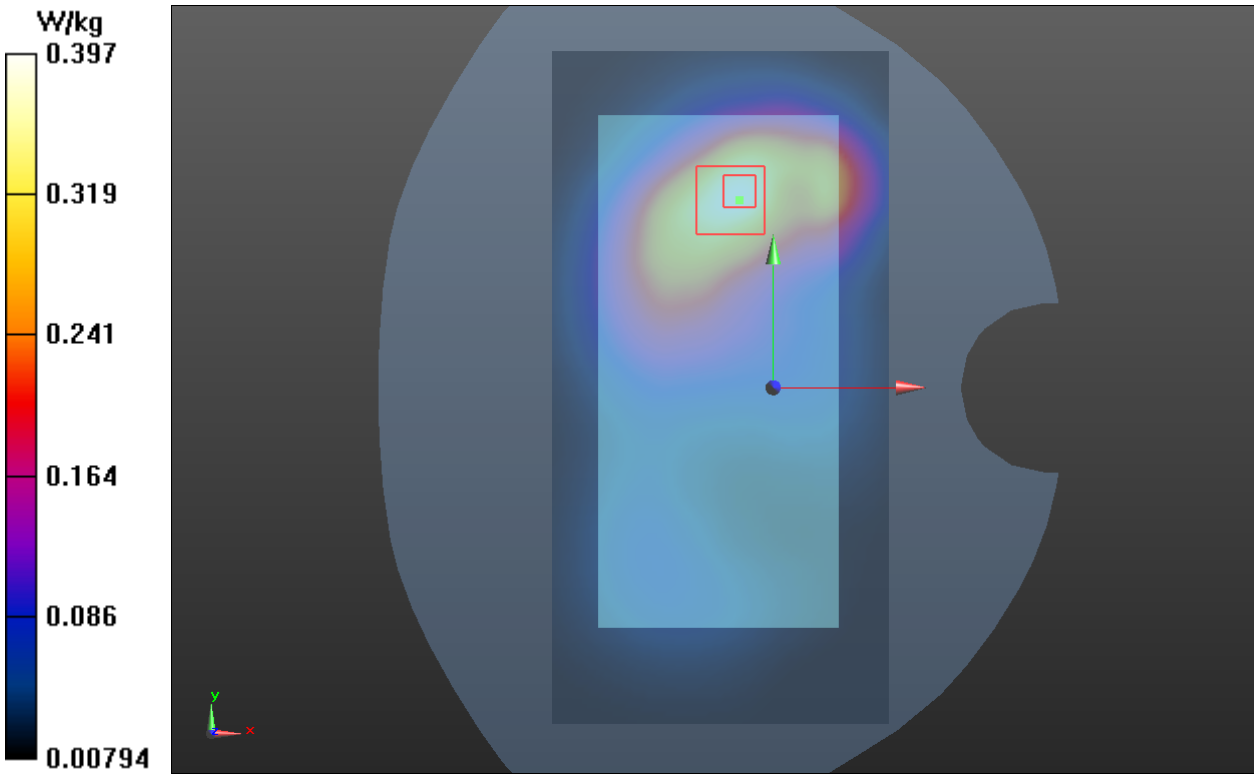
Plot 104 UMTS Band IV Back Side Middle (Distance 15mm)

Date: 7/30/2019
Communication System: UID 0, WCDMA IV (0); Frequency: 1732.6 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1733 MHz; σ = 1.312 S/m; ε_r = 39.365; ρ = 1000 kg/m^3
Ambient Temperature:22.3 ℃ Liquid Temperature: 21.5℃
Phantom section: Flat Section
DASY5 Configuration:
Sensor-Surface: 4mm (Mechanical Surface Detection)
Probe: EX3DV4 - SN3677; ConvF(7.86, 7.86, 7.86); Calibrated: 6/19/2019;
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 Middle/Area Scan (71x141x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.404 W/kg

Back Side Middle/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.071 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 0.566 W/kg
SAR(1 g) = 0.368 W/kg; SAR(10 g) = 0.229 W/kg

Maximum value of SAR (measured) = 0.397 W/kg

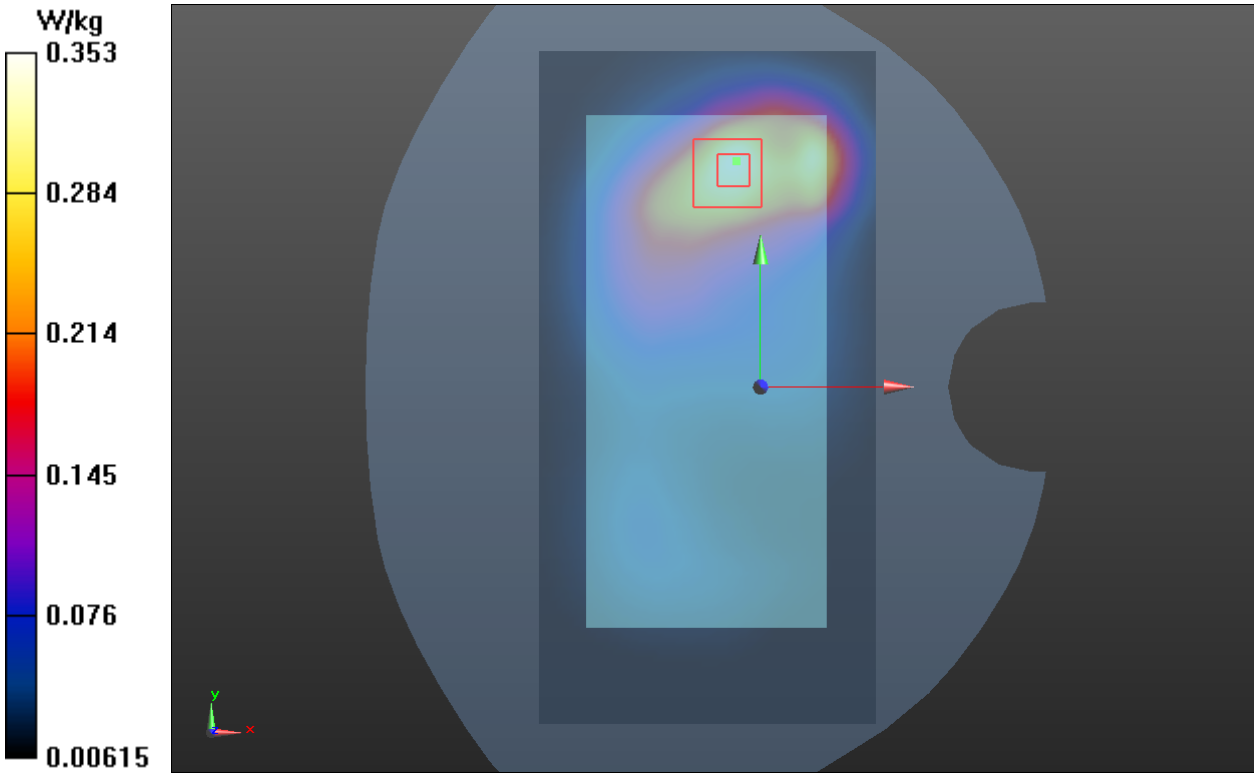


Plot 105 UMTS Band IV Back Side Middle (Distance 10mm)

Date: 7/30/2019
Communication System: UID 0, WCDMA IV (0); Frequency: 1732.6 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1733 MHz; σ = 1.312 S/m; ε_r = 39.365; ρ = 1000 kg/m^3
Ambient Temperature:22.3 ℃ Liquid Temperature: 21.5℃
Phantom section: Flat Section
DASY5 Configuration:
Sensor-Surface: 4mm (Mechanical Surface Detection)
Probe: EX3DV4 - SN3677; ConvF(7.86, 7.86, 7.86); Calibrated: 6/19/2019;
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 Middle/Area Scan (71x141x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.347 W/kg

Back Side Middle/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.814 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 0.499 W/kg
SAR(1 g) = 0.319 W/kg; SAR(10 g) = 0.190 W/kg
Maximum value of SAR (measured) = 0.353 W/kg



Plot 106 UMTS Band V Right Tilt Middle

Date: 8/4/2019

Communication System: UID 0, WCDMA (0); Frequency: 836.6 MHz;Duty Cycle: 1:1

Medium parameters used: f = 837 MHz; σ = 0.923 S/m; ε_r = 42.201; ρ = 1000 kg/m^3

Ambient Temperature:22.3 ℃ Liquid Temperature: 21.5℃

Phantom section: Right Section

DASY5 Configuration:

Sensor-Surface: 4mm (Mechanical Surface Detection)

Probe: EX3DV4 - SN3677; ConvF(9.20, 9.20, 9.20); Calibrated: 6/19/2019;

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

Maximum value of SAR (interpolated) = 0.595 W/kg

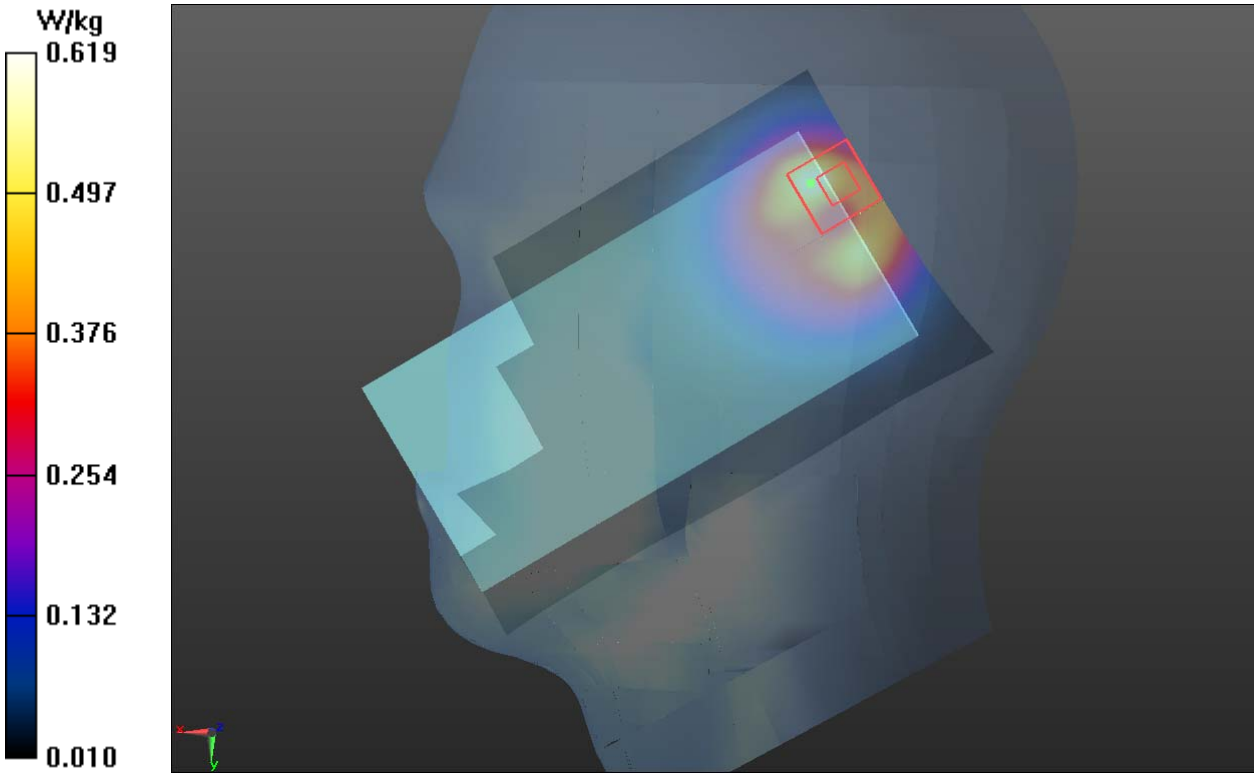
Right Tilt Middle/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.72 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 1.21 W/kg

SAR(1 g) = 0.546 W/kg; SAR(10 g) = 0.278 W/kg

Maximum value of SAR (measured) = 0.619 W/kg



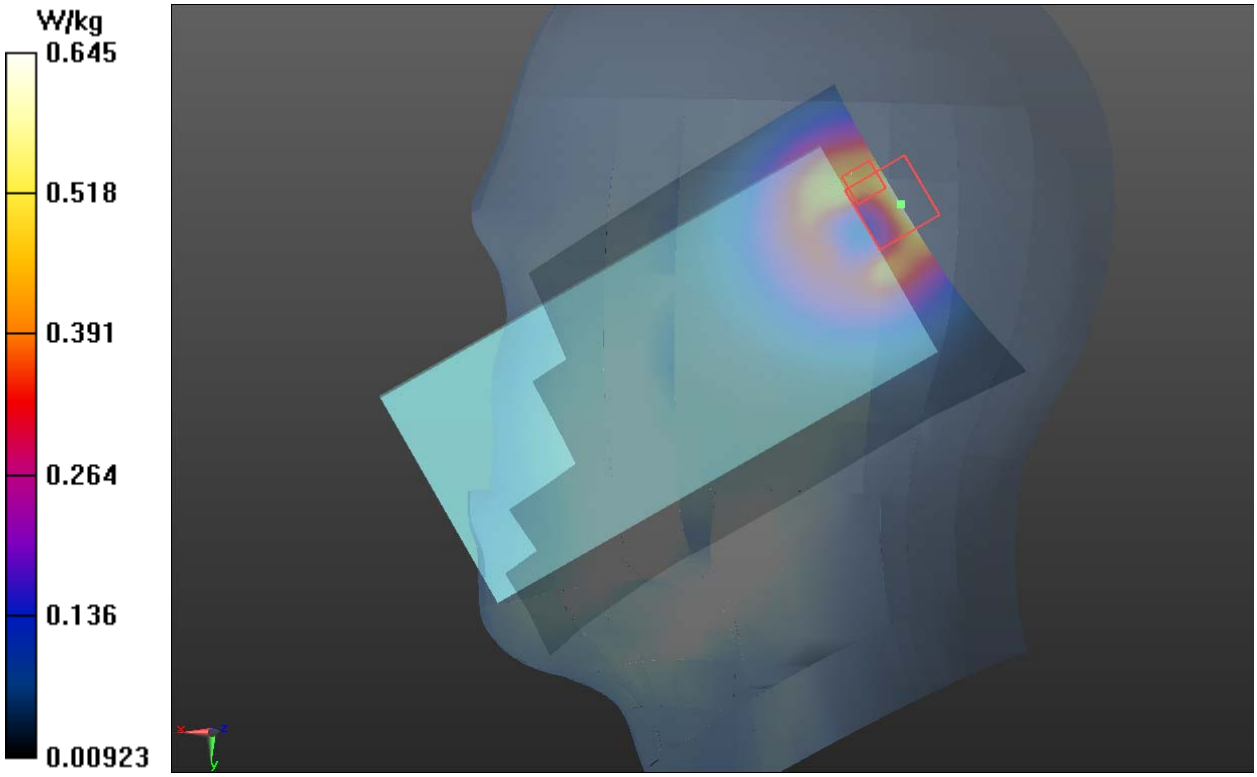
Plot 107 UMTS Band V Right Tilt Middle (best acoustic position)

Date: 8/4/2019
Communication System: UID 0, WCDMA (0); Frequency: 836.6 MHz;Duty Cycle: 1:1
Medium parameters used: f = 837 MHz; σ = 0.923 S/m; ε_r = 42.201; ρ = 1000 kg/m^3
Ambient Temperature:22.3 ℃ Liquid Temperature: 21.5℃
Phantom section: Right Section
DASY5 Configuration:
Sensor-Surface: 4mm (Mechanical Surface Detection)
Probe: EX3DV4 - SN3677; ConvF(9.20, 9.20, 9.20); Calibrated: 6/19/2019;
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 Middle/Area Scan (71x121x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.626 W/kg

Right Tilt Middle/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.90 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 1.41 W/kg
SAR(1 g) = 0.577 W/kg; SAR(10 g) = 0.292 W/kg

Maximum value of SAR (measured) = 0.645 W/kg



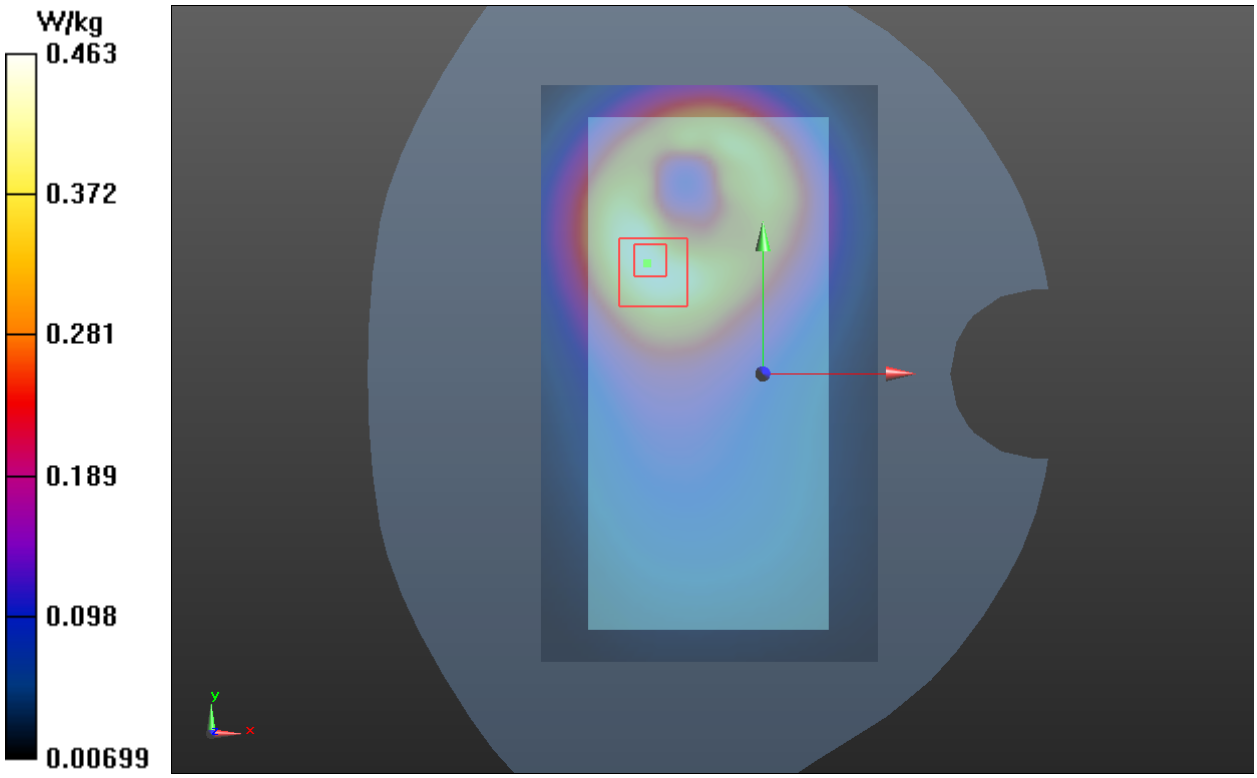
Plot 108 UMTS Band V Front Side Middle (Distance 15mm)

Date: 7/31/2019
Communication System: UID 0, WCDMA (0); Frequency: 836.6 MHz;Duty Cycle: 1:1
Medium parameters used: f = 837 MHz; σ = 0.923 S/m; ε_r = 42.201; ρ = 1000 kg/m^3
Ambient Temperature:22.3 ℃ Liquid Temperature: 21.5℃
Phantom section: Flat Section
DASY5 Configuration:
Sensor-Surface: 4mm (Mechanical Surface Detection)
Probe: EX3DV4 - SN3677; ConvF(9.40, 9.40, 9.40); Calibrated: 6/19/2019;
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 (71x121x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.456 W/kg

Front Side Middle/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.87 V/m; Power Drift = 0.10 dB
Peak SAR (extrapolated) = 0.643 W/kg
SAR(1 g) = 0.430 W/kg; SAR(10 g) = 0.281 W/kg

Maximum value of SAR (measured) = 0.463 W/kg



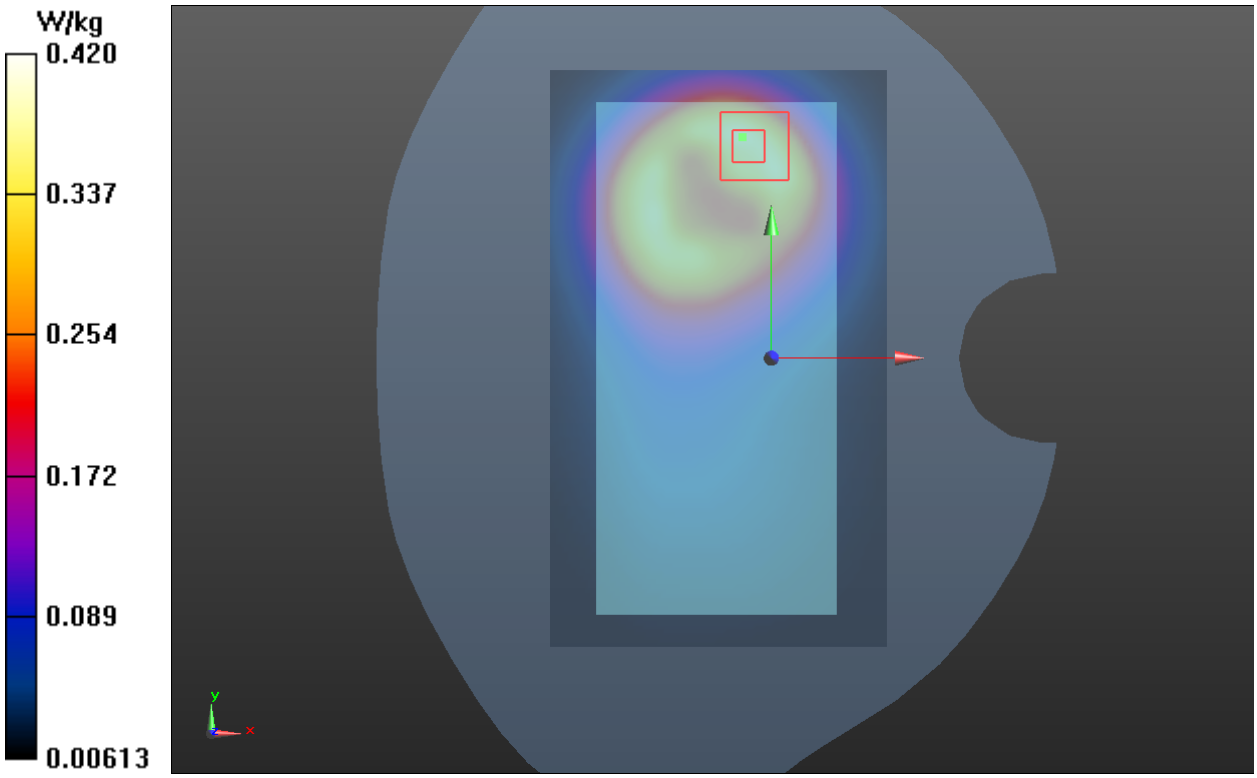
Plot 109 UMTS Band V Front Side Middle (Distance 10mm)

Date: 7/31/2019
Communication System: UID 0, WCDMA (0); Frequency: 836.6 MHz;Duty Cycle: 1:1
Medium parameters used: f = 837 MHz; σ = 0.923 S/m; ε_r = 42.201; ρ = 1000 kg/m^3
Ambient Temperature:22.3 ℃ Liquid Temperature: 21.5℃
Phantom section: Flat Section
DASY5 Configuration:
Sensor-Surface: 4mm (Mechanical Surface Detection)
Probe: EX3DV4 - SN3677; ConvF(9.40, 9.40, 9.40); Calibrated: 6/19/2019;
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 (71x121x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.381 W/kg

Front Side Middle/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.77 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 0.739 W/kg
SAR(1 g) = 0.391 W/kg; SAR(10 g) = 0.215 W/kg

Maximum value of SAR (measured) = 0.420 W/kg



Second Antenna

Plot 110 LTE Band 2 50%RB Right Tilt High(Receiver on)

Date: 8/6/2019

Communication System: UID 0, LTE (0); Frequency: 1900 MHz;Duty Cycle: 1:1

Medium parameters used: f = 1900 MHz; σ = 1.434 S/m; ε_r = 38.861; ρ = 1000 kg/m^3

Ambient Temperature:22.3 ℃ Liquid Temperature: 21.5℃

Phantom section: Right Section

DASY5 Configuration:

Sensor-Surface: 4mm (Mechanical Surface Detection)

Probe: EX3DV4 - SN3677; ConvF(7.79, 7.79, 7.79); Calibrated: 6/19/2019;

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

Maximum value of SAR (interpolated) = 0.524 W/kg

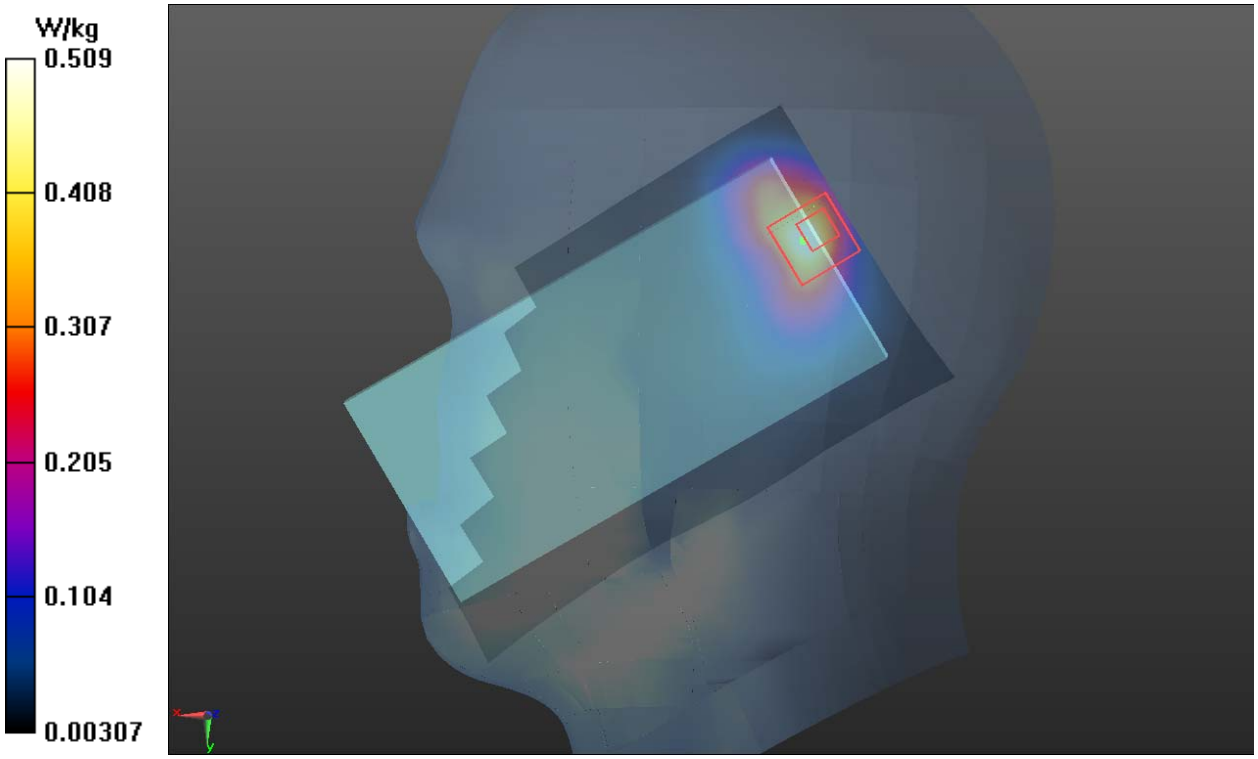
Right Tilt High/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.222 V/m; Power Drift = 0.028 dB

Peak SAR (extrapolated) = 0.960 W/kg

SAR(1 g) = 0.446 W/kg; SAR(10 g) = 0.212 W/kg

Maximum value of SAR (measured) = 0.509 W/kg



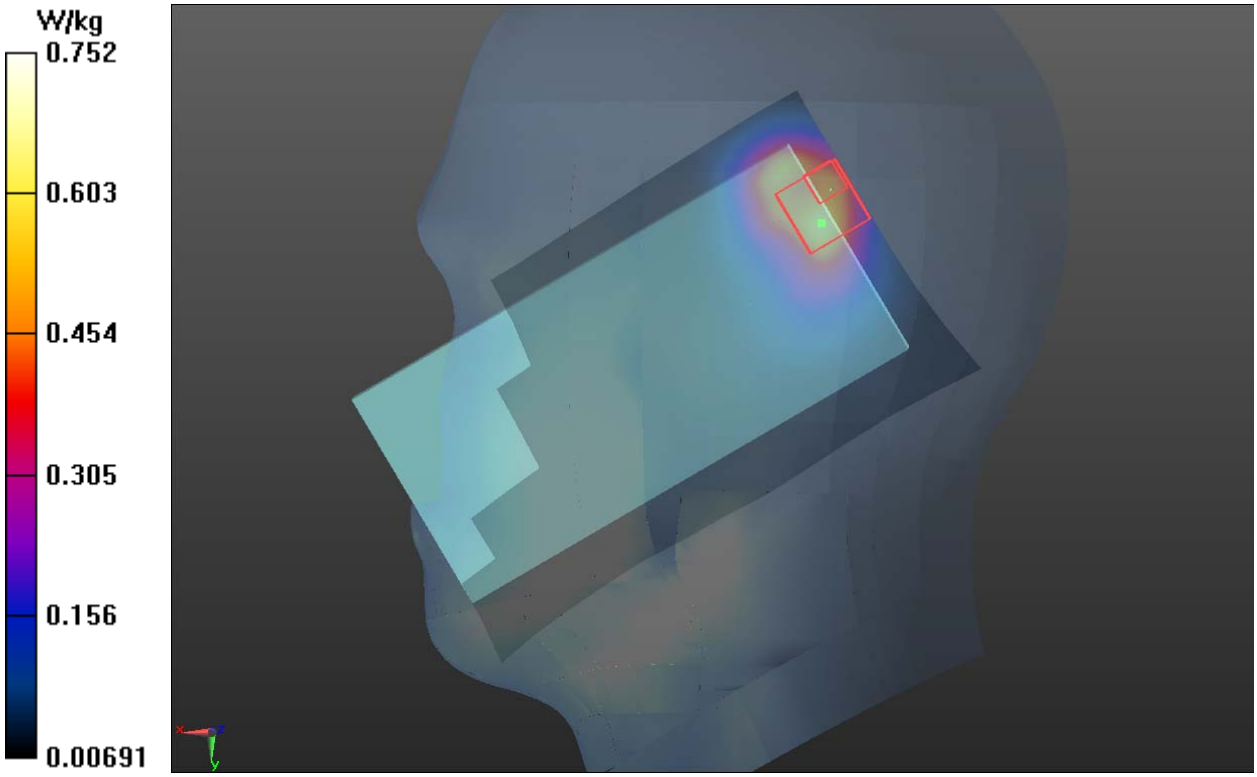
Plot 111 LTE Band 2 50%RB Right Tilt High(Receiver on, best acoustic position)

Date: 8/6/2019
Communication System: UID 0, LTE (0); Frequency: 1900 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1900 MHz; σ = 1.434 S/m; ε_r = 38.861; ρ = 1000 kg/m^3
Ambient Temperature:22.3 ℃ Liquid Temperature: 21.5℃
Phantom section: Right Section
DASY5 Configuration:
Sensor-Surface: 4mm (Mechanical Surface Detection)
Probe: EX3DV4 - SN3677; ConvF(7.79, 7.79, 7.79); Calibrated: 6/19/2019;
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 High/Area Scan (71x121x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.621 W/kg

Right Tilt High/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.630 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 1.62 W/kg
SAR(1 g) = 0.615 W/kg; SAR(10 g) = 0.299 W/kg

Maximum value of SAR (measured) = 0.752 W/kg

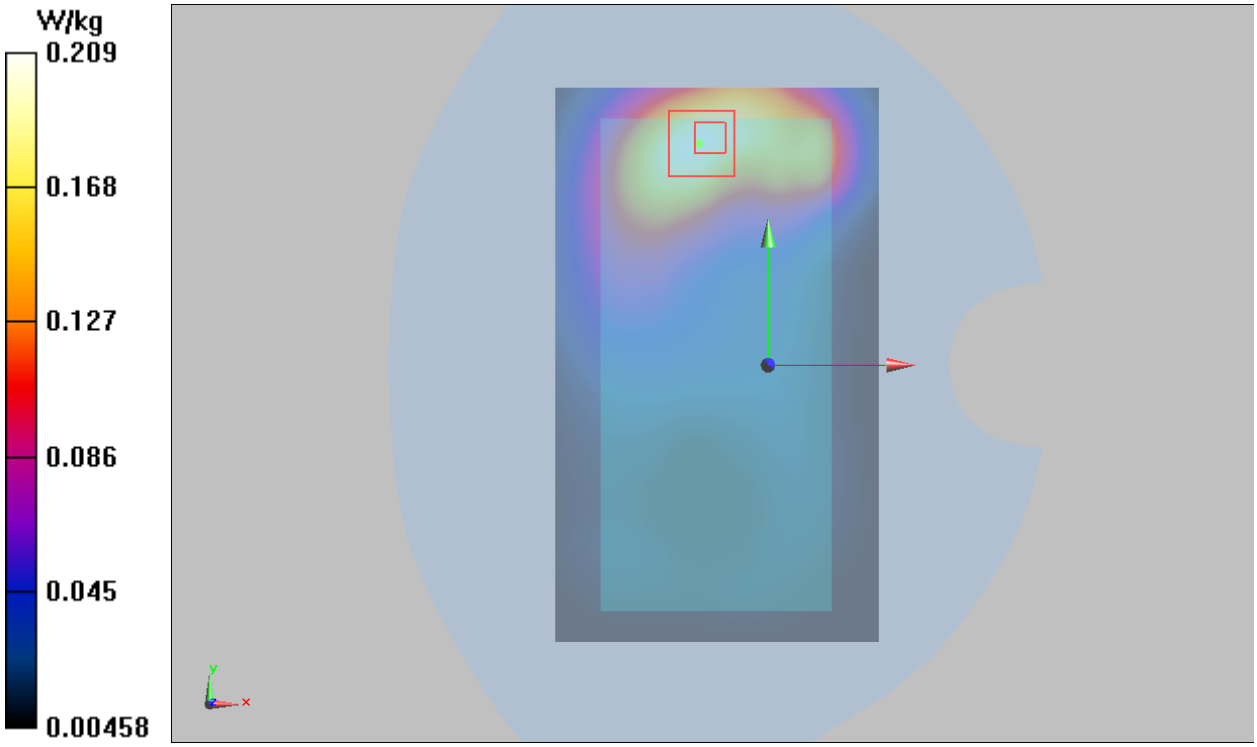


Plot 112 LTE Band 2 50%RB Back Side High(Receiver off, Distance 15mm)

Date: 7/28/2019
Communication System: UID 0, LTE (0); Frequency: 1900 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1900 MHz; σ = 1.434 S/m; ε_r = 38.861; ρ = 1000 kg/m^3
Ambient Temperature:22.3 ℃ Liquid Temperature: 21.5℃
Phantom section: Flat Section
DASY5 Configuration:
Sensor-Surface: 4mm (Mechanical Surface Detection)
Probe: EX3DV4 - SN3677; ConvF(7.62, 7.62, 7.62); Calibrated: 6/19/2019;
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=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.214 W/kg

Back Side High/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.741 V/m; Power Drift = -0.00 dB
Peak SAR (extrapolated) = 0.313 W/kg
SAR(1 g) = 0.196 W/kg; SAR(10 g) = 0.121 W/kg
Maximum value of SAR (measured) = 0.209 W/kg



Plot 113 LTE Band 2 50%RB Top Edge High (Receiver off+ WiFi connect/ P2P/ Hotspot, Distance 10mm)

Date: 7/28/2019

Communication System: UID 0, LTE (0); Frequency: 1900 MHz;Duty Cycle: 1:1

Medium parameters used: f = 1900 MHz; σ = 1.434 S/m; ε_r = 38.861; ρ = 1000 kg/m^3

Ambient Temperature:22.3 ℃ Liquid Temperature: 21.5℃

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 4mm (Mechanical Surface Detection)

Probe: EX3DV4 - SN3677; ConvF(7.62, 7.62, 7.62); Calibrated: 6/19/2019;

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

Maximum value of SAR (interpolated) = 0.370 W/kg

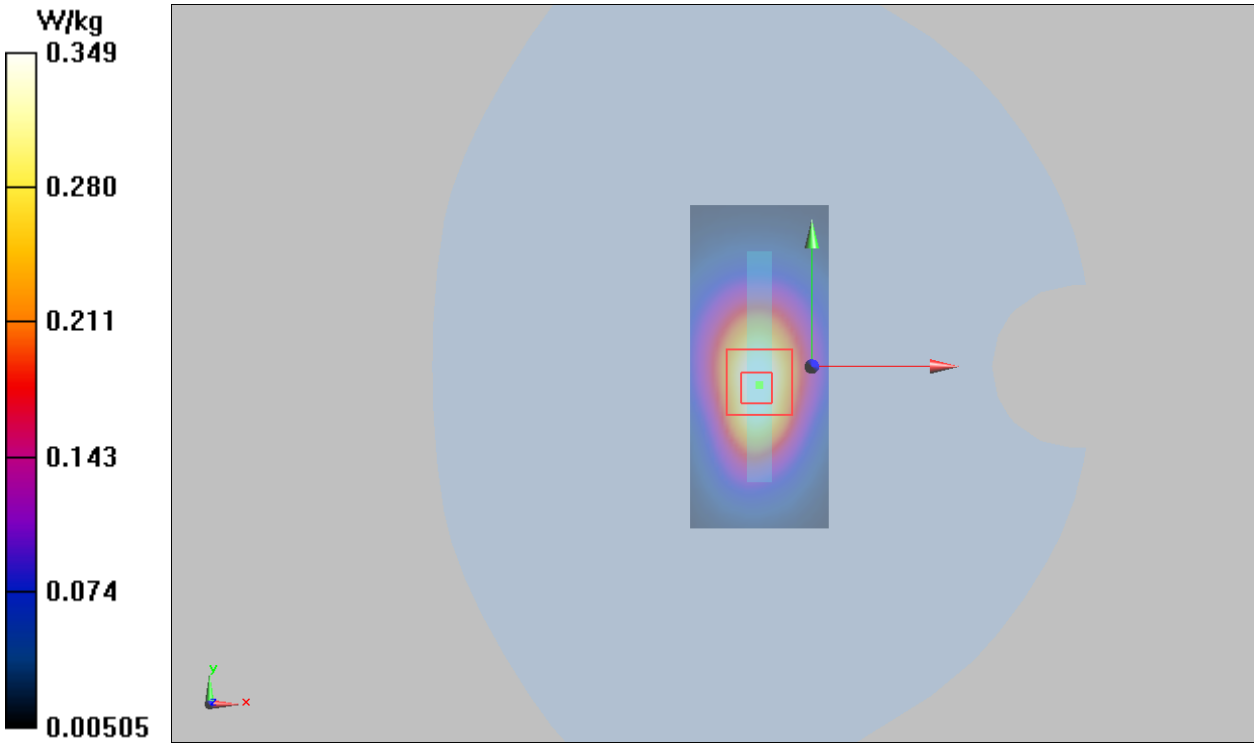
Top Edge High/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 15.65 V/m; Power Drift = -0.110 dB

Peak SAR (extrapolated) = 0.529 W/kg

SAR(1 g) = 0.318 W/kg; SAR(10 g) = 0.182 W/kg

Maximum value of SAR (measured) = 0.349 W/kg



Plot 114 LTE Band 4 50%RB Right Tilt Middle (Receiver on)

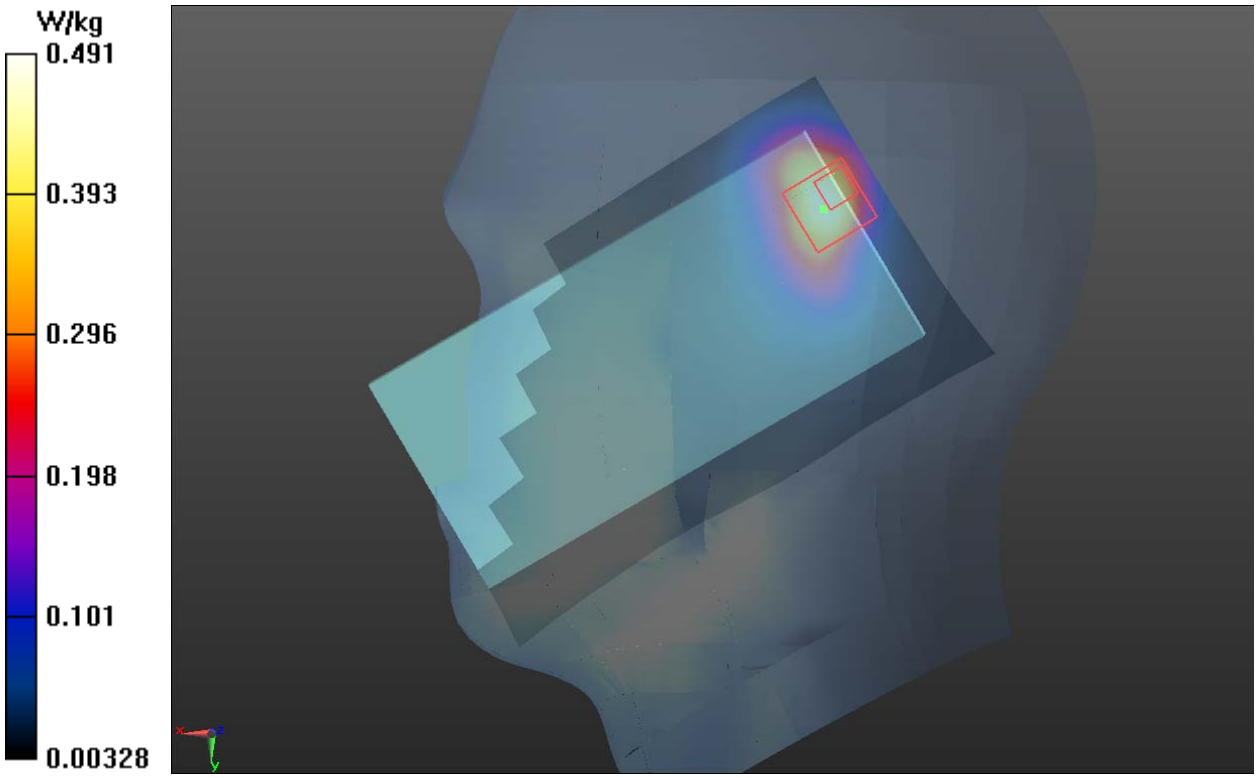
Date: 8/6/2019
Communication System: UID 0, LTE (0); Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.313 S/m; ε_r = 39.384; ρ = 1000 kg/m^3
Ambient Temperature:22.3 ℃ Liquid Temperature: 21.5℃
Phantom section: Right Section
DASY5 Configuration:
Sensor-Surface: 4mm (Mechanical Surface Detection)
Probe: EX3DV4 - SN3677; ConvF(8.21, 8.21, 8.21); Calibrated: 6/19/2019;
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 Middle/Area Scan (71x121x1): Interpolated grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.477 W/kg

Right Tilt Middle/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.269 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 0.940 W/kg
SAR(1 g) = 0.419 W/kg; SAR(10 g) = 0.218 W/kg

Maximum value of SAR (measured) = 0.491 W/kg



Plot 115 LTE Band 4 50%RB Right Tilt Middle (Receiver on, best acoustic position)

Date: 8/6/2019

Communication System: UID 0, LTE (0); Frequency: 1732.5 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.313 S/m; ε_r = 39.384; ρ = 1000 kg/m^3

Ambient Temperature:22.3 ℃ Liquid Temperature: 21.5℃

Phantom section: Right Section

DASY5 Configuration:

Sensor-Surface: 4mm (Mechanical Surface Detection)

Probe: EX3DV4 - SN3677; ConvF(8.21, 8.21, 8.21); Calibrated: 6/19/2019;

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

Maximum value of SAR (interpolated) = 0.588 W/kg

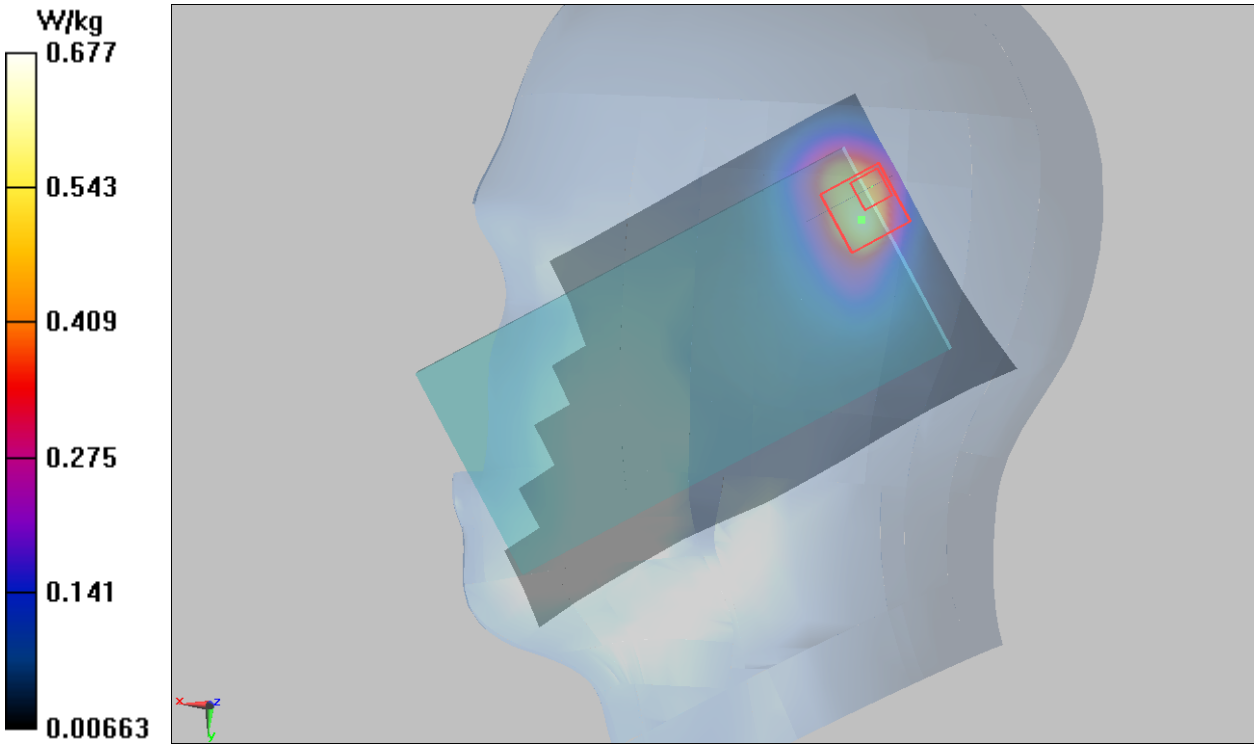
Right Tilt Middle/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.340 V/m; Power Drift = -0.140 dB

Peak SAR (extrapolated) = 1.34 W/kg

SAR(1 g) = 0.559 W/kg; SAR(10 g) = 0.279 W/kg

Maximum value of SAR (measured) = 0.677 W/kg



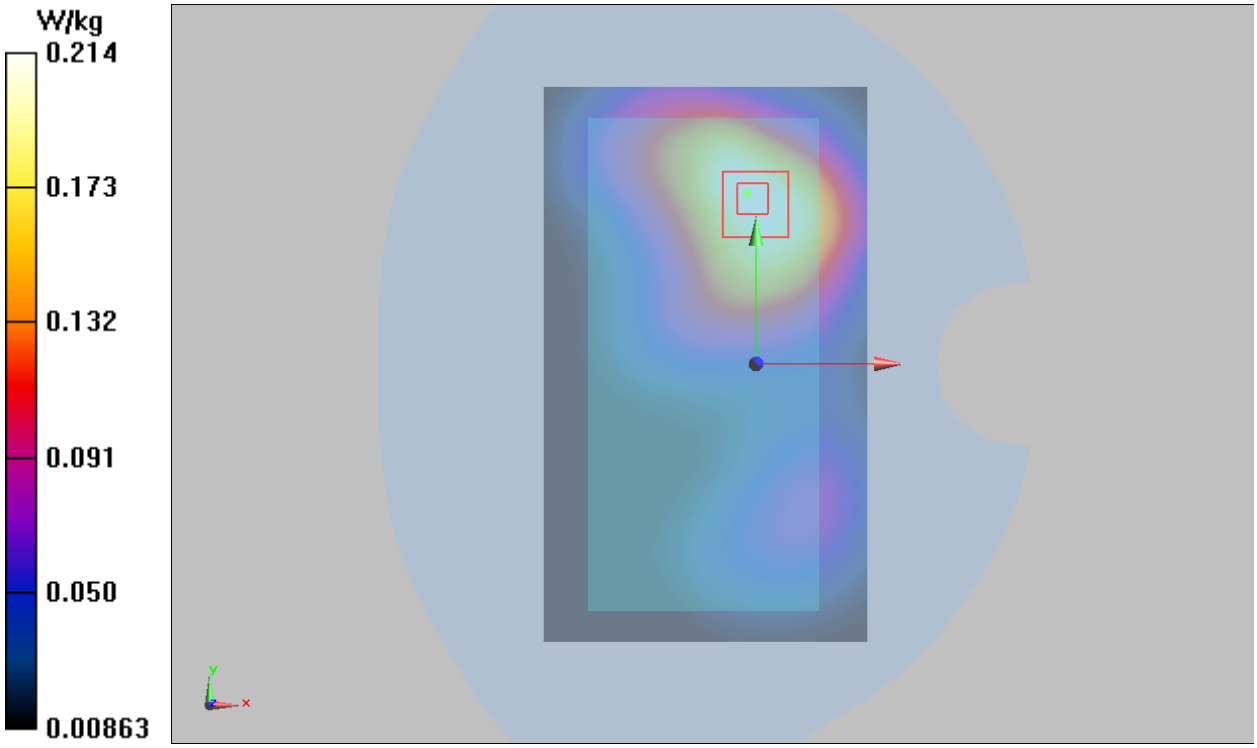
Plot 116 LTE Band 4 1RB Front Side High(Receiver off, Distance 15mm)

Date: 7/30/2019
Communication System: UID 0, LTE (0); Frequency: 1745 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1745 MHz; σ = 1.323 S/m; ε_r = 39.378; ρ = 1000 kg/m^3
Ambient Temperature:22.3 ℃ Liquid Temperature: 21.5℃
Phantom section: Flat Section
DASY5 Configuration:
Sensor-Surface: 4mm (Mechanical Surface Detection)
Probe: EX3DV4 - SN3677; ConvF(7.86, 7.86, 7.86); Calibrated: 6/19/2019;
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=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.221 W/kg

Front Side High/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.279 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 0.289 W/kg
SAR(1 g) = 0.201 W/kg; SAR(10 g) = 0.135 W/kg

Maximum value of SAR (measured) = 0.214 W/kg



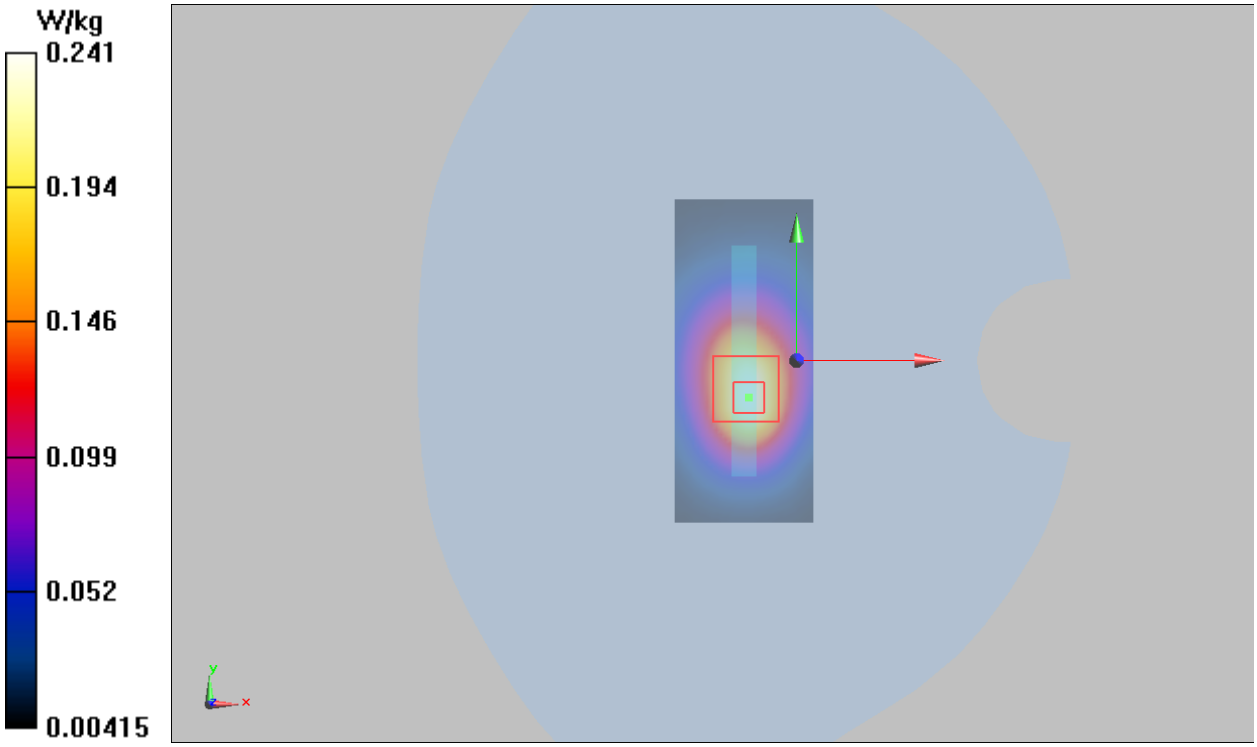
Plot 117 LTE Band 4 1RB Top Edge High(Receiver off+ WiFi connect/ P2P/ Hotspot, Distance 10mm)

Date: 7/30/2019
Communication System: UID 0, LTE (0); Frequency: 1745 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1745 MHz; σ = 1.323 S/m; ε_r = 39.378; ρ = 1000 kg/m^3
Ambient Temperature:22.3 ℃ Liquid Temperature: 21.5℃
Phantom section: Flat Section
DASY5 Configuration:
Sensor-Surface: 4mm (Mechanical Surface Detection)
Probe: EX3DV4 - SN3677; ConvF(7.86, 7.86, 7.86); Calibrated: 6/19/2019;
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 High/Area Scan (51x111x1): Interpolated grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.239 W/kg

Top Edge High/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 12.34 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 0.366 W/kg
SAR(1 g) = 0.212 W/kg; SAR(10 g) = 0.120 W/kg

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



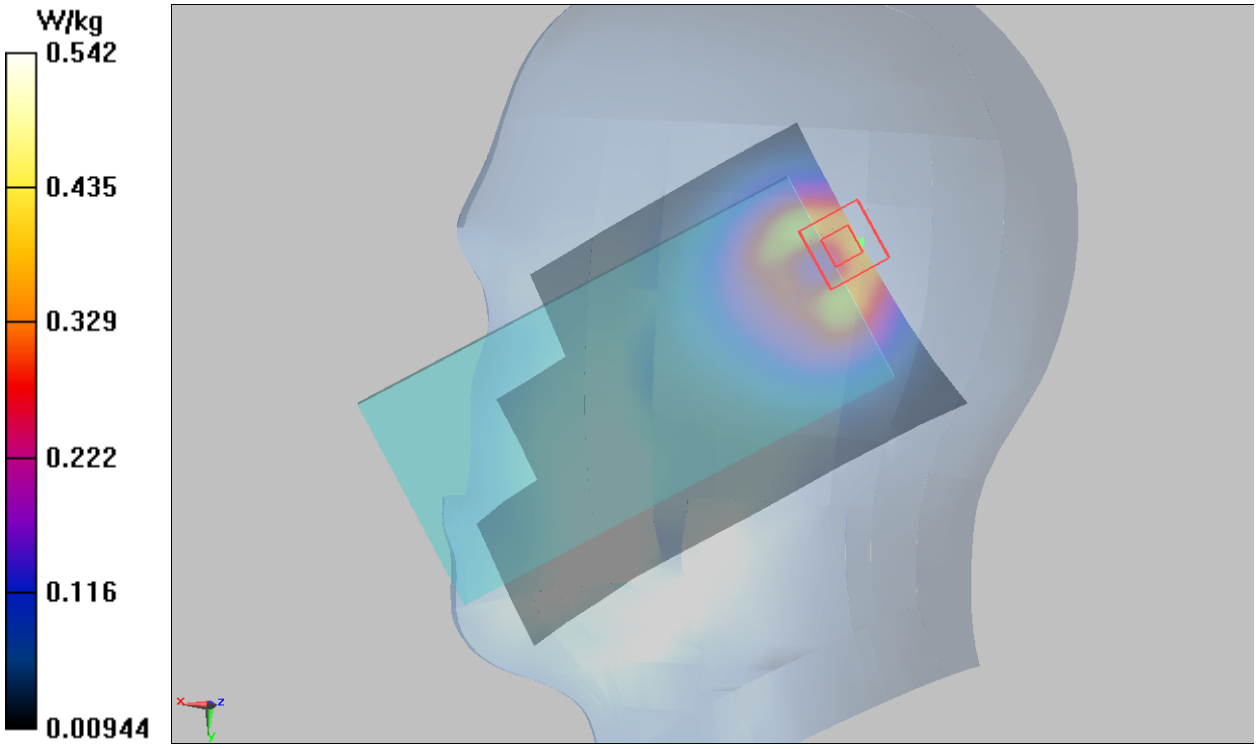
Plot 118 LTE Band 5 1RB Right Tilt Low (Receiver on)

Date: 8/4/2019
Communication System: UID 0, LTE (0); Frequency: 829 MHz;Duty Cycle: 1:1
Medium parameters used: f = 829 MHz; σ = 0.917 S/m; ε_r = 42.181; ρ = 1000 kg/m^3
Ambient Temperature:22.3 ℃ Liquid Temperature: 21.5℃
Phantom section: Right Section
DASY5 Configuration:
Sensor-Surface: 4mm (Mechanical Surface Detection)
Probe: EX3DV4 - SN3677; ConvF(9.20, 9.20, 9.20); Calibrated: 6/19/2019;
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 Low/Area Scan (71x121x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.418 W/kg

Right Tilt Low/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.96 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 1.23 W/kg
SAR(1 g) = 0.506 W/kg; SAR(10 g) = 0.248 W/kg

Maximum value of SAR (measured) = 0.542 W/kg



Plot 119 LTE Band 5 1RB Right Tilt Low (Receiver on, best acoustic position)

Date: 8/4/2019

Communication System: UID 0, LTE (0); Frequency: 829 MHz;Duty Cycle: 1:1

Medium parameters used: f = 829 MHz; σ = 0.917 S/m; ε_r = 42.181; ρ = 1000 kg/m^3

Ambient Temperature:22.3 ℃ Liquid Temperature: 21.5℃

Phantom section: Right Section

DASY5 Configuration:

Sensor-Surface: 4mm (Mechanical Surface Detection)

Probe: EX3DV4 - SN3677; ConvF(9.20, 9.20, 9.20); Calibrated: 6/19/2019;

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

Maximum value of SAR (interpolated) = 0.467 W/kg

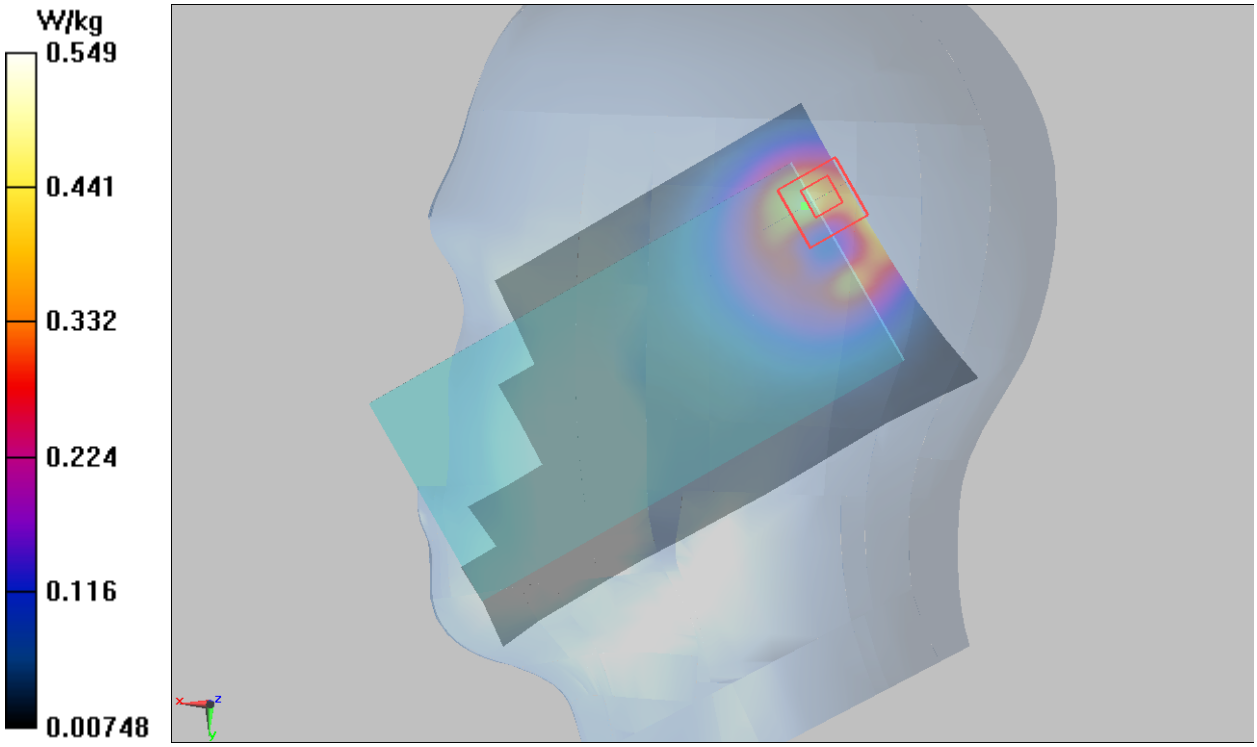
Right Tilt Low/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.44 V/m; Power Drift = 0.100 dB

Peak SAR (extrapolated) = 1.16 W/kg

SAR(1 g) = 0.489 W/kg; SAR(10 g) = 0.239 W/kg

Maximum value of SAR (measured) = 0.549 W/kg



Plot 120 LTE Band 5 1RB Front Side Middle(Receiver off, Distance 15mm)

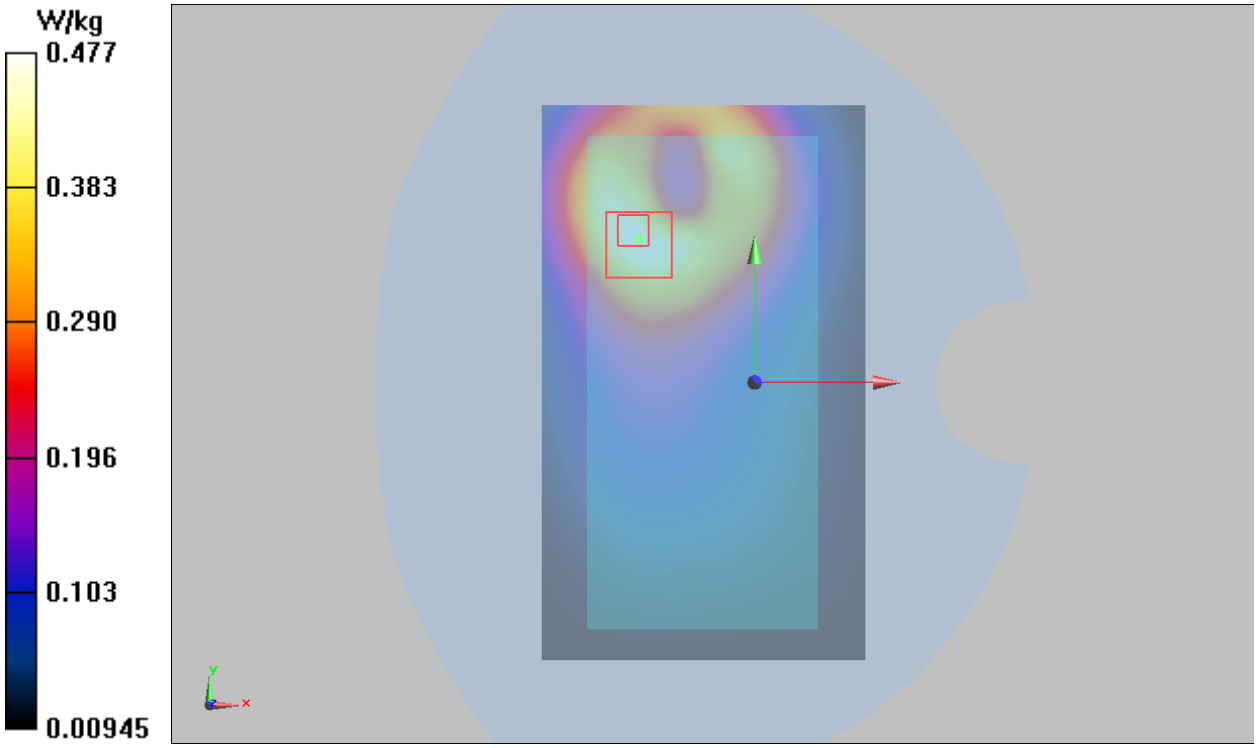
Date: 7/31/2019
Communication System: UID 0, LTE (0); Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 836.5 MHz; σ = 0.923 S/m; ε_r = 42.199; ρ = 1000 kg/m^3
Ambient Temperature:22.3 ℃ Liquid Temperature: 21.5℃
Phantom section: Flat Section
DASY5 Configuration:
Sensor-Surface: 4mm (Mechanical Surface Detection)
Probe: EX3DV4 - SN3677; ConvF(9.40, 9.40, 9.40); Calibrated: 6/19/2019;
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 (71x121x1): Interpolated grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.476 W/kg

Front Side Middle/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.08 V/m; Power Drift = 0.17 dB
Peak SAR (extrapolated) = 0.673 W/kg
SAR(1 g) = 0.446 W/kg; SAR(10 g) = 0.290 W/kg

Maximum value of SAR (measured) = 0.477 W/kg



Plot 121 LTE Band 5 1RB Front Side Middle(Receiver off+ WiFi connect/ P2P/ Hotspot, Distance 10mm)

Date: 7/31/2019

Communication System: UID 0, LTE (0); Frequency: 836.5 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 836.5 MHz; σ = 0.923 S/m; ε_r = 42.199; ρ = 1000 kg/m^3

Ambient Temperature:22.3 ℃ Liquid Temperature: 21.5℃

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 4mm (Mechanical Surface Detection)

Probe: EX3DV4 - SN3677; ConvF(9.40, 9.40, 9.40); Calibrated: 6/19/2019;

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 (71x121x1): Interpolated grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.326 W/kg

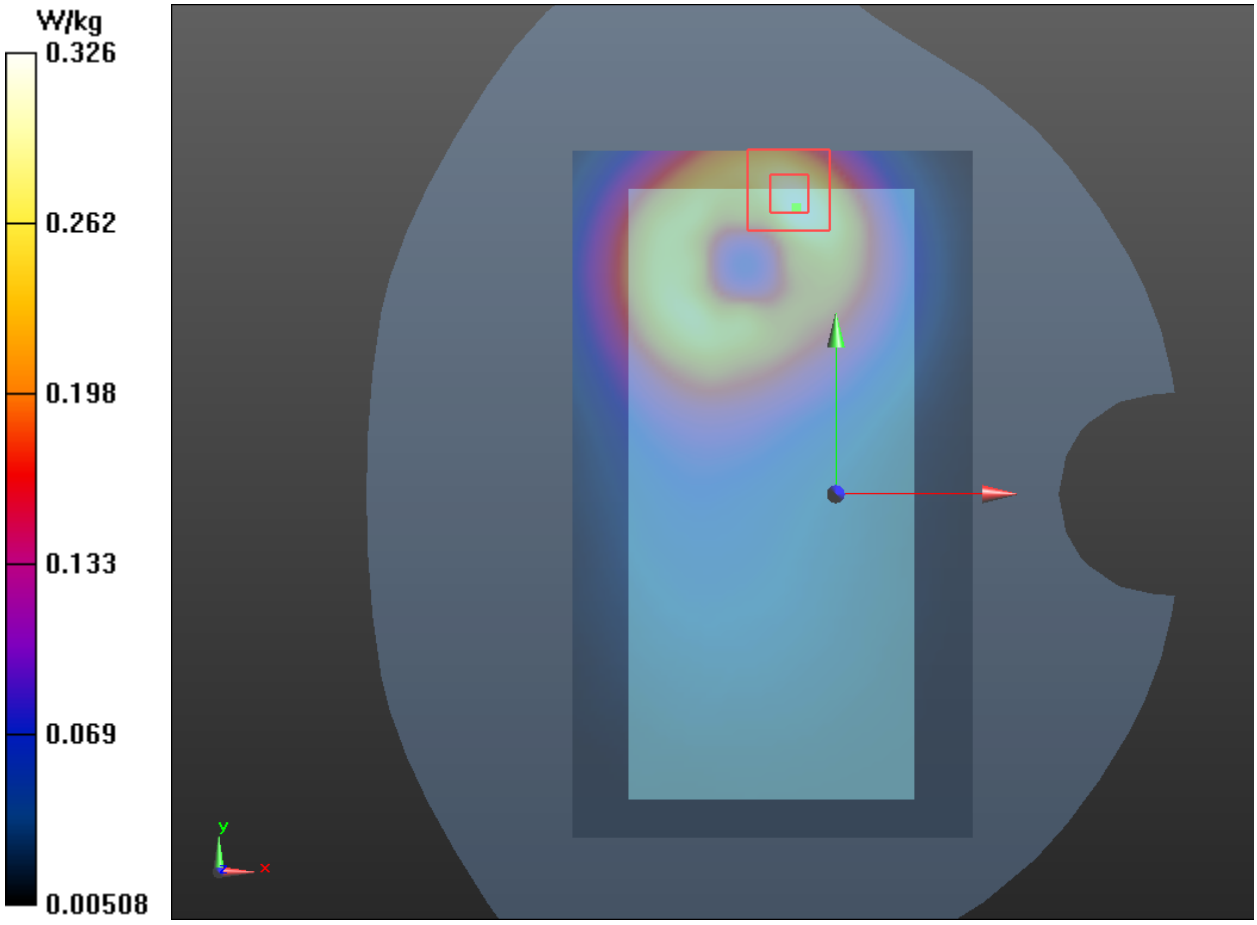
Front Side Middle/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.681 V/m; Power Drift = 0.070 dB

Peak SAR (extrapolated) = 0.549 W/kg

SAR(1 g) = 0.300 W/kg; SAR(10 g) = 0.166 W/kg

Maximum value of SAR (measured) = 0.326 W/kg



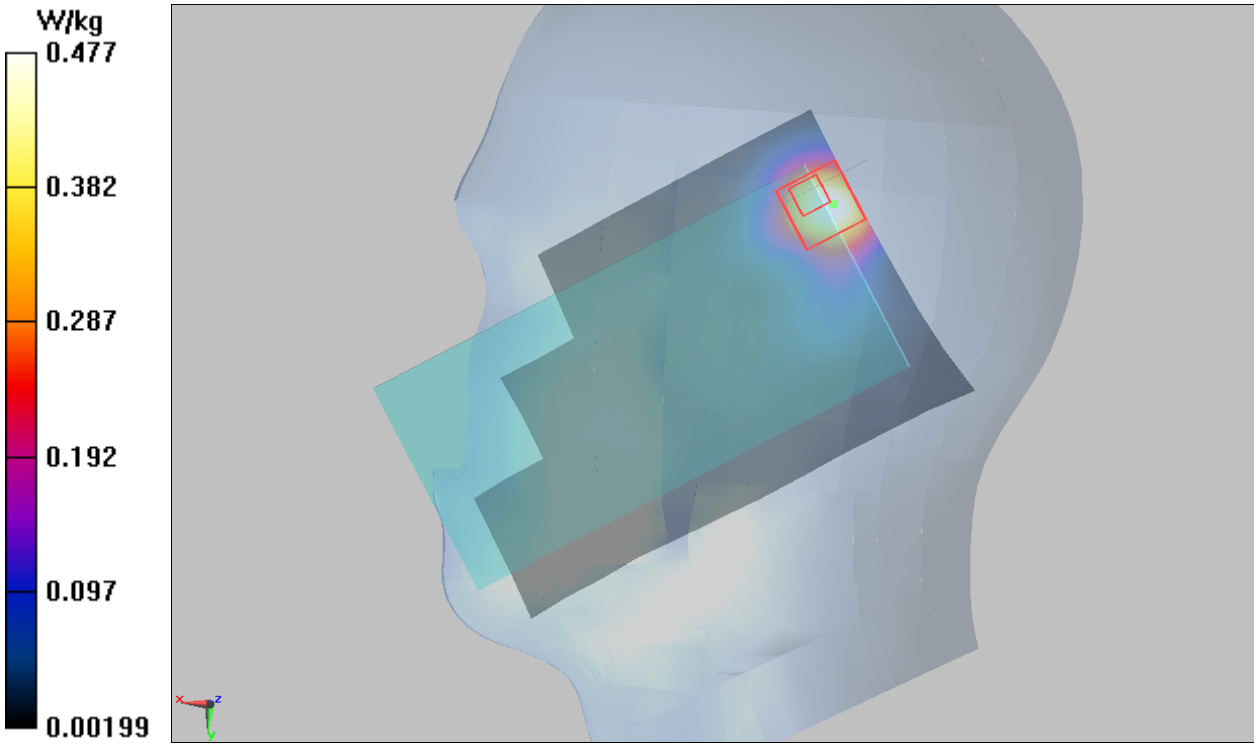
Plot 122 LTE Band 7 1RB Right Tilt Middle (Receiver on)

Date: 8/5/2019
Communication System: UID 0, LTE (0); Frequency: 2535 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2535 MHz; σ = 1.97 S/m; ε_r = 40.51; ρ = 1000 kg/m^3
Ambient Temperature:22.3 ℃ Liquid Temperature: 21.5℃
Phantom section: Right Section
DASY5 Configuration:
Sensor-Surface: 4mm (Mechanical Surface Detection)
Probe: EX3DV4 - SN3677; ConvF(7.20, 7.20, 7.20); Calibrated: 6/19/2019;
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 Middle/Area Scan (91x151x1): Interpolated grid: dx=12mm, dy=12mm
Maximum value of SAR (interpolated) = 0.502 W/kg

Right Tilt Middle/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 3.194 V/m; Power Drift = 0.048 dB
Peak SAR (extrapolated) = 1.18 W/kg
SAR(1 g) = 0.428 W/kg; SAR(10 g) = 0.191 W/kg

Maximum value of SAR (measured) = 0.477 W/kg



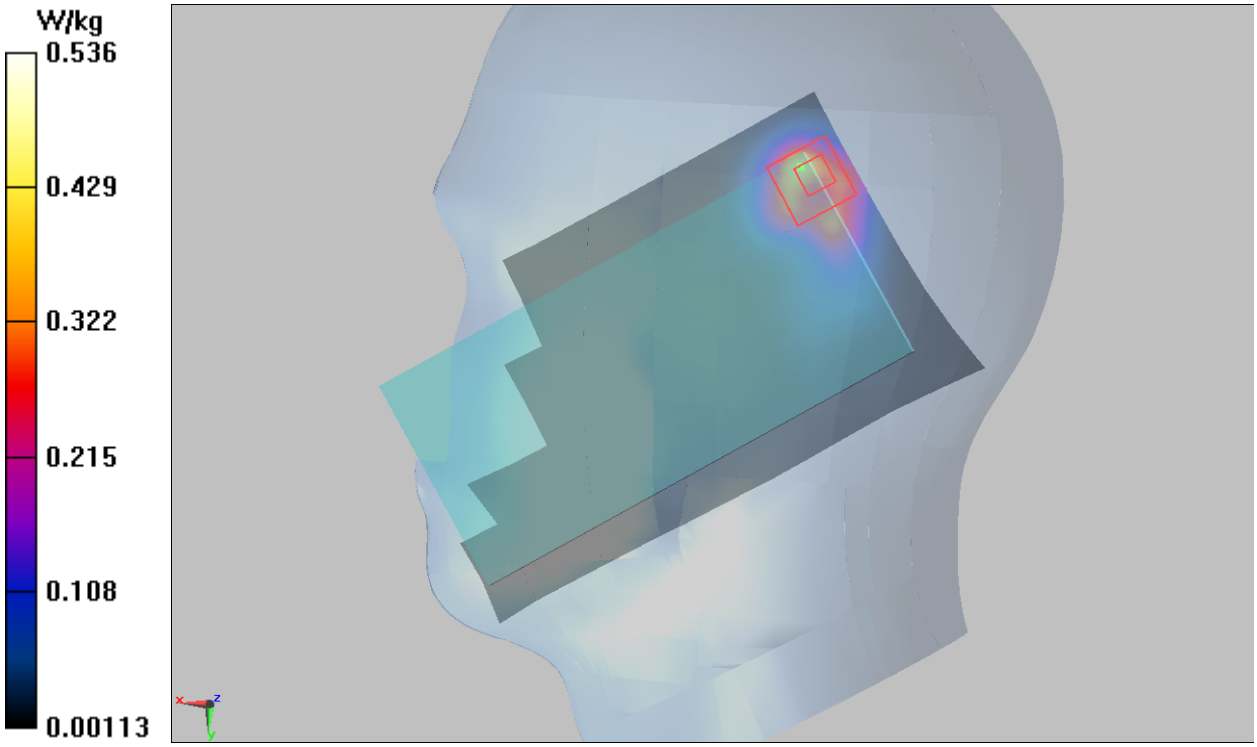
Plot 123 LTE Band 7 50%RB Right Tilt Low(Receiver on, best acoustic position)

Date: 8/5/2019
Communication System: UID 0, LTE (0); Frequency: 2510 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2510 MHz; σ = 1.97 S/m; ε_r = 40.51; ρ = 1000 kg/m^3
Ambient Temperature:22.3 ℃ Liquid Temperature: 21.5℃
Phantom section: Right Section
DASY5 Configuration:
Sensor-Surface: 4mm (Mechanical Surface Detection)
Probe: EX3DV4 - SN3677; ConvF(7.20, 7.20, 7.20); Calibrated: 6/19/2019;
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 Low/Area Scan (91x151x1): Interpolated grid: dx=12mm, dy=12mm
Maximum value of SAR (interpolated) = 0.438 W/kg

Right Tilt Low/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 2.170 V/m; Power Drift = 0.071 dB
Peak SAR (extrapolated) = 1.30 W/kg
SAR(1 g) = 0.459 W/kg; SAR(10 g) = 0.208 W/kg

Maximum value of SAR (measured) = 0.536 W/kg



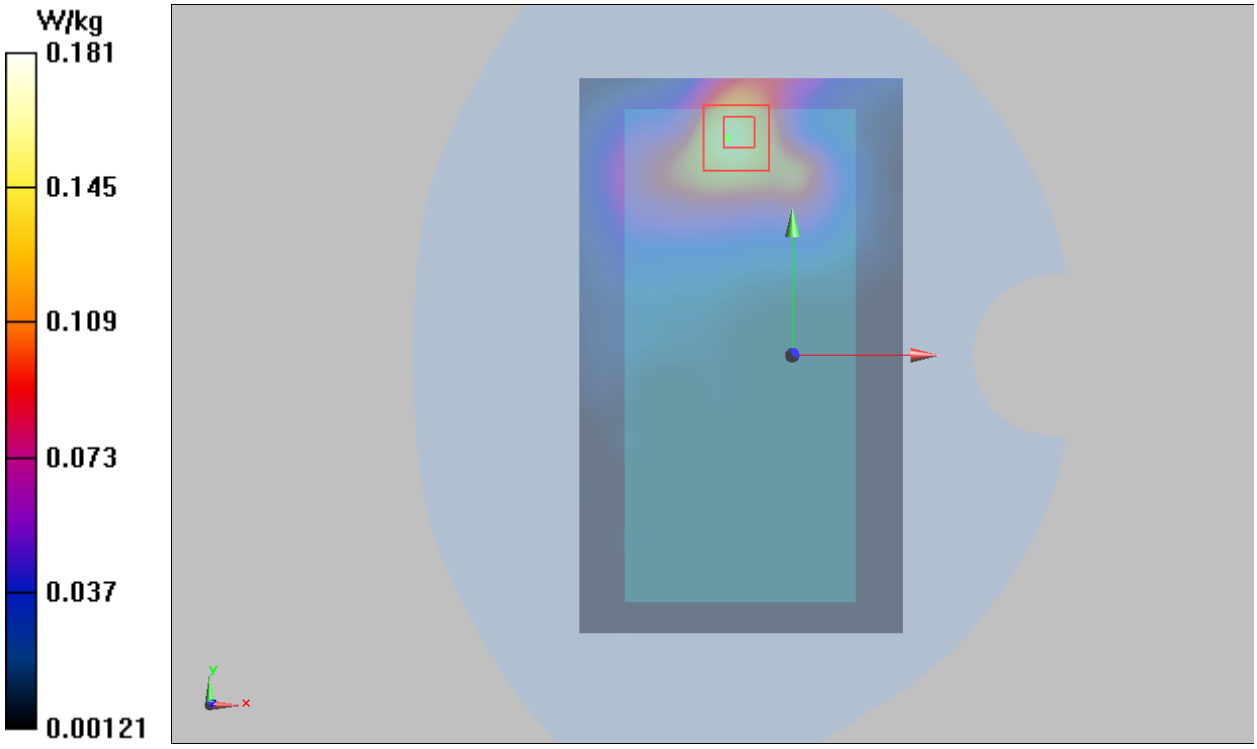
Plot 124 LTE Band 7 50%RB Back Side High (Receiver off, Distance 15mm)

Date: 8/2/2019
Communication System: UID 0, LTE (0); Frequency: 2560 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2560 MHz; σ = 1.997 S/m; ε_r = 40.391; ρ = 1000 kg/m^3
Ambient Temperature:22.3 ℃ Liquid Temperature: 21.5℃
Phantom section: Flat Section
DASY5 Configuration:
Sensor-Surface: 4mm (Mechanical Surface Detection)
Probe: EX3DV4 - SN3677; ConvF(7.33, 7.33, 7.33); Calibrated: 6/19/2019;
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 (91x151x1): Interpolated grid: dx=12mm, dy=12mm
Maximum value of SAR (interpolated) = 0.157 W/kg

Back Side High/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 0.9780 V/m; Power Drift = 0.046 dB
Peak SAR (extrapolated) = 0.341 W/kg
SAR(1 g) = 0.171 W/kg; SAR(10 g) = 0.088 W/kg

Maximum value of SAR (measured) = 0.181 W/kg



Plot 125 LTE Band 7 1RB Back Side Low (Receiver off+ WiFi connect/ P2P/ Hotspot, Distance 10mm)

Date: 8/2/2019

Communication System: UID 0, LTE (0); Frequency: 2510 MHz;Duty Cycle: 1:1

Medium parameters used: f = 2510 MHz; σ = 1.949 S/m; ε_r = 40.597; ρ = 1000 kg/m^3

Ambient Temperature:22.3 ℃ Liquid Temperature: 21.5℃

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 4mm (Mechanical Surface Detection)

Probe: EX3DV4 - SN3677; ConvF(7.33, 7.33, 7.33); Calibrated: 6/19/2019;

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 (91x151x1): Interpolated grid: dx=12mm, dy=12mm

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

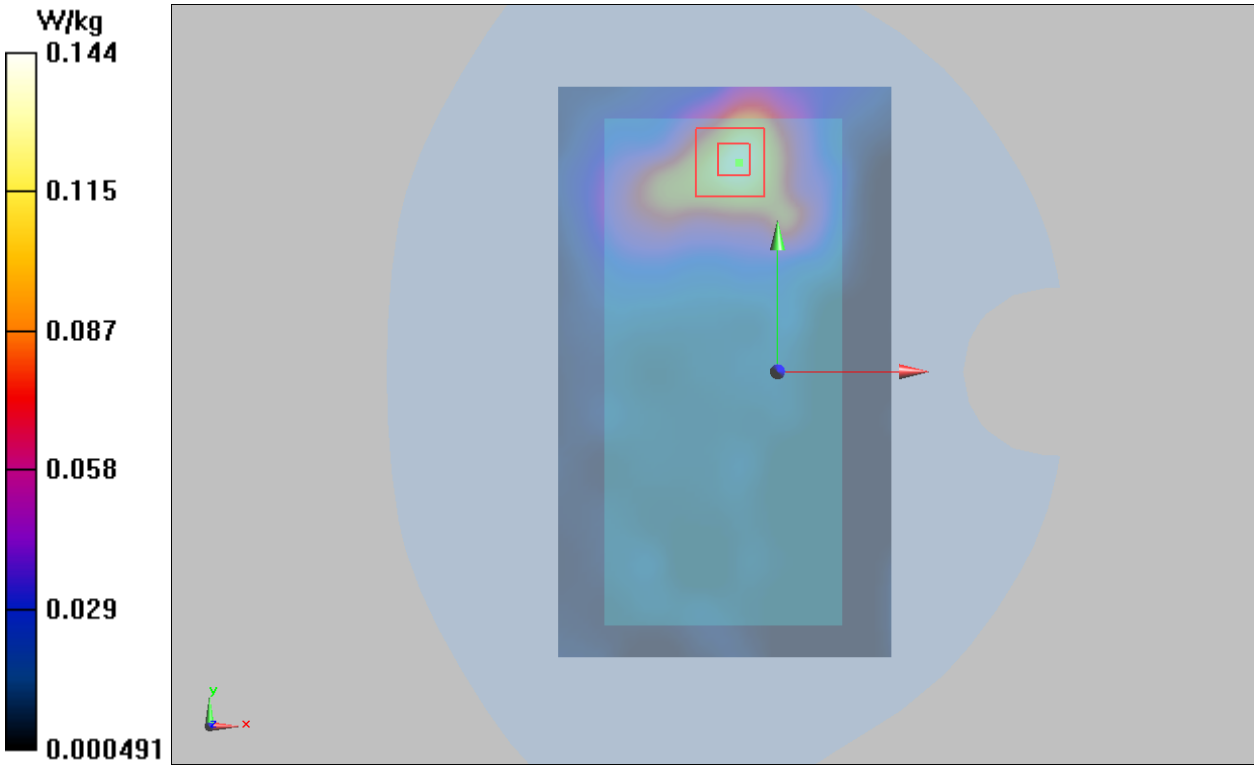
Back Side Low/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 1.864 V/m; Power Drift = -0.122 dB

Peak SAR (extrapolated) = 0.299 W/kg

SAR(1 g) = 0.134 W/kg; SAR(10 g) = 0.066 W/kg

Maximum value of SAR (measured) = 0.144 W/kg



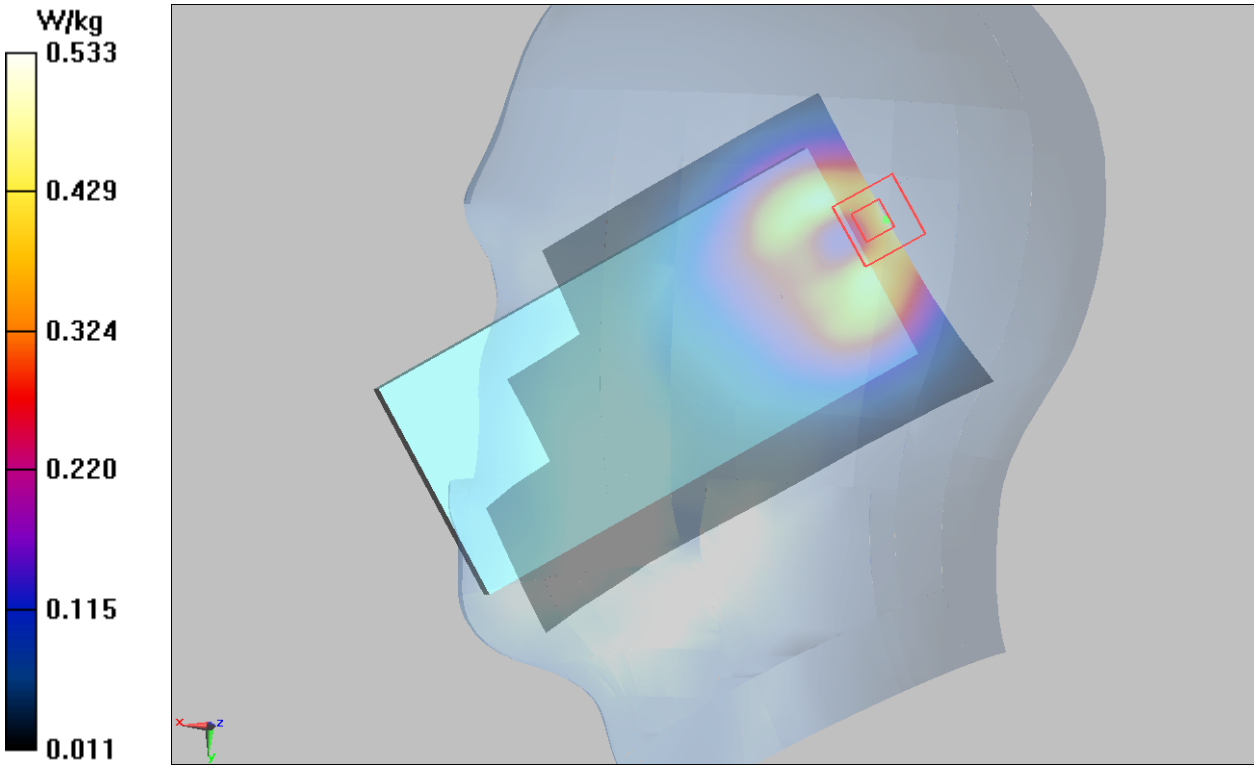
Plot 126 LTE Band 12 50%RB Right Cheek High (Receiver on)

Date: 8/4/2019
Communication System: UID 0, LTE (0); Frequency: 711 MHz;Duty Cycle: 1:1
Medium parameters used: f = 711 MHz; σ = 0.87 S/m; ε_r = 43.041; ρ = 1000 kg/m^3
Ambient Temperature:22.3 ℃ Liquid Temperature: 21.5℃
Phantom section: Right Section
DASY5 Configuration:
Sensor-Surface: 4mm (Mechanical Surface Detection)
Probe: EX3DV4 - SN3677; ConvF(9.54, 9.54, 9.54); Calibrated: 6/19/2019;
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 (71x121x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.488 W/kg

Right Cheek High/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 17.47 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 1.02 W/kg
SAR(1 g) = 0.494 W/kg; SAR(10 g) = 0.269 W/kg

Maximum value of SAR (measured) = 0.533 W/kg



Plot 127 LTE Band 12 50%RB Right Cheek High (Receiver on, best acoustic position)

Date: 8/4/2019

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

Medium parameters used: f = 711 MHz; σ = 0.87 S/m; ε_r = 43.041; ρ = 1000 kg/m^3

Ambient Temperature:22.3 ℃ Liquid Temperature: 21.5℃

Phantom section: Right Section

DASY5 Configuration:

Sensor-Surface: 4mm (Mechanical Surface Detection)

Probe: EX3DV4 - SN3677; ConvF(9.54, 9.54, 9.54); Calibrated: 6/19/2019;

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 (71x121x1): Interpolated grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.564 W/kg

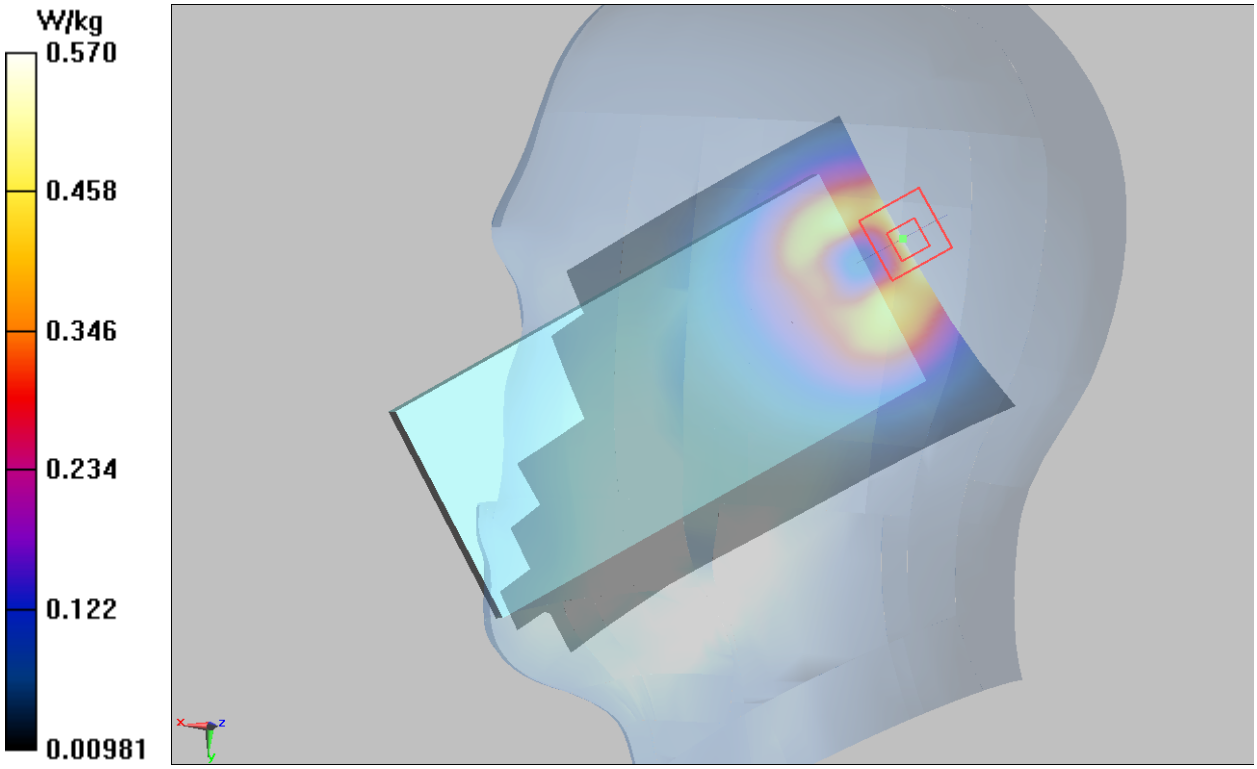
Right Cheek High /Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.76 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 1.02 W/kg

SAR(1 g) = 0.502 W/kg; SAR(10 g) = 0.271 W/kg

Maximum value of SAR (measured) = 0.570 W/kg



Plot 128 LTE Band 12 1RB Front Side High(Receiver off, Distance 15mm)

Date: 8/1/2019

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

Medium parameters used: f = 711 MHz; σ = 0.87 S/m; ε_r = 43.041; ρ = 1000 kg/m^3

Ambient Temperature:22.3 ℃ Liquid Temperature: 21.5℃

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 4mm (Mechanical Surface Detection)

Probe: EX3DV4 - SN3677; ConvF(9.75, 9.75, 9.75); Calibrated: 6/19/2019;

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) = 0.124 W/kg

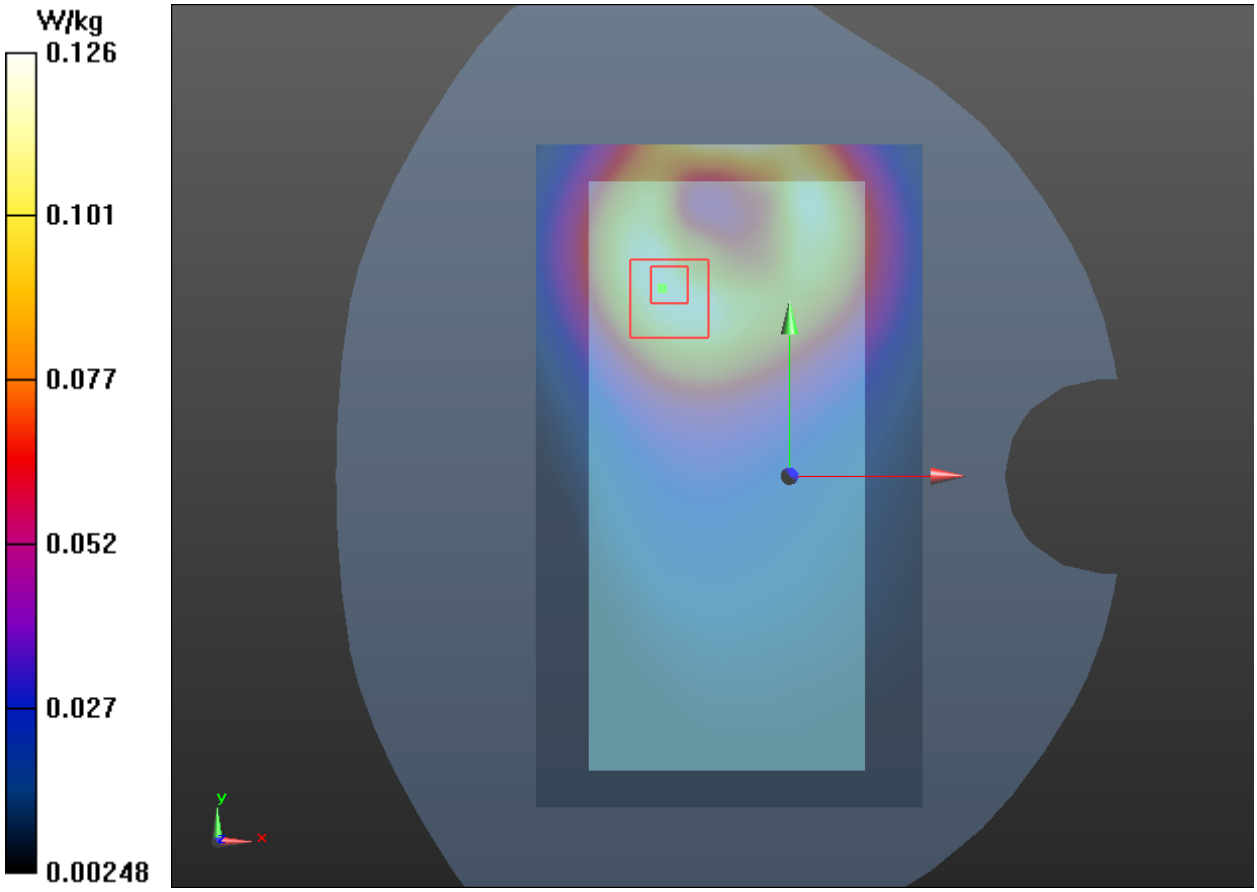
Front Side High/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.045 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 0.173 W/kg

SAR(1 g) = 0.118 W/kg; SAR(10 g) = 0.079 W/kg

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



Plot 129 LTE Band 12 50%RB Front Side High (Receiver off+ WiFi connect/ P2P/ Hotspot, Distance 10mm)

Date: 8/1/2019

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

Medium parameters used: f = 711 MHz; σ = 0.87 S/m; ε_r = 43.041; ρ = 1000 kg/m^3

Ambient Temperature:22.3 ℃ Liquid Temperature: 21.5℃

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 4mm (Mechanical Surface Detection)

Probe: EX3DV4 - SN3677; ConvF(9.75, 9.75, 9.75); Calibrated: 6/19/2019;

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) = 0.166 W/kg

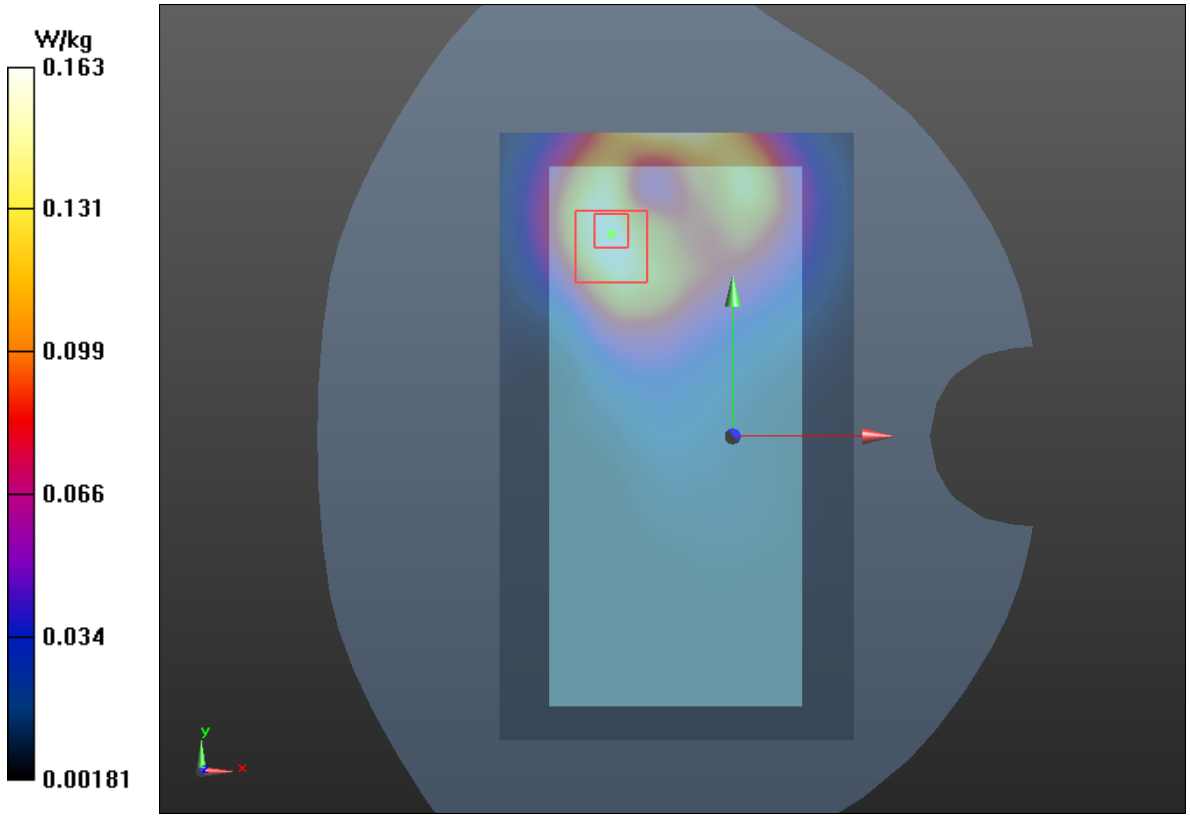
Front Side High/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.691 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 0.263 W/kg

SAR(1 g) = 0.152 W/kg; SAR(10 g) = 0.093 W/kg

Maximum value of SAR (measured) = 0.163 W/kg



Plot 130 LTE Band 26 50%RB Right Tilt Middle (Receiver on)

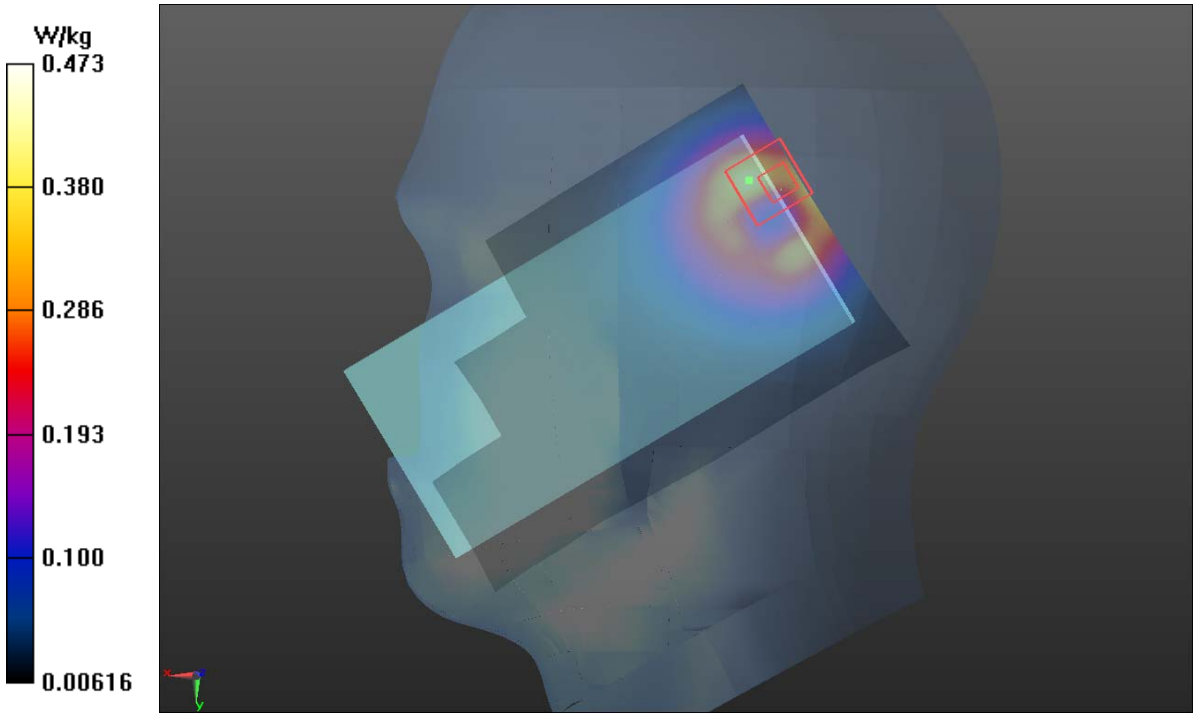
Date: 8/4/2019
Communication System: UID 0, LTE (0); Frequency: 831.5 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 831.5 MHz; σ = 0.919 S/m; ε_r = 42.185; ρ = 1000 kg/m^3
Ambient Temperature:22.3 ℃ Liquid Temperature: 21.5℃
Phantom section: Right Section
DASY5 Configuration:
Sensor-Surface: 4mm (Mechanical Surface Detection)
Probe: EX3DV4 - SN3677; ConvF(9.20, 9.20, 9.20); Calibrated: 6/19/2019;
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 Middle/Area Scan (71x121x1): Interpolated grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.400 W/kg

Right Tilt Middle/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.58 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 1.01 W/kg
SAR(1 g) = 0.423 W/kg; SAR(10 g) = 0.207 W/kg

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



Plot 131 LTE Band 26 50%RB Right Tilt Middle (Receiver on, best acoustic position)

Date: 8/4/2019

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

Medium parameters used (interpolated): f = 831.5 MHz; σ = 0.919 S/m; ε_r = 42.185; ρ = 1000 kg/m^3

Ambient Temperature:22.3 ℃ Liquid Temperature: 21.5℃

Phantom section: Right Section

DASY5 Configuration:

Sensor-Surface: 4mm (Mechanical Surface Detection)

Probe: EX3DV4 - SN3677; ConvF(9.20, 9.20, 9.20); Calibrated: 6/19/2019;

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

Maximum value of SAR (interpolated) = 0.459 W/kg

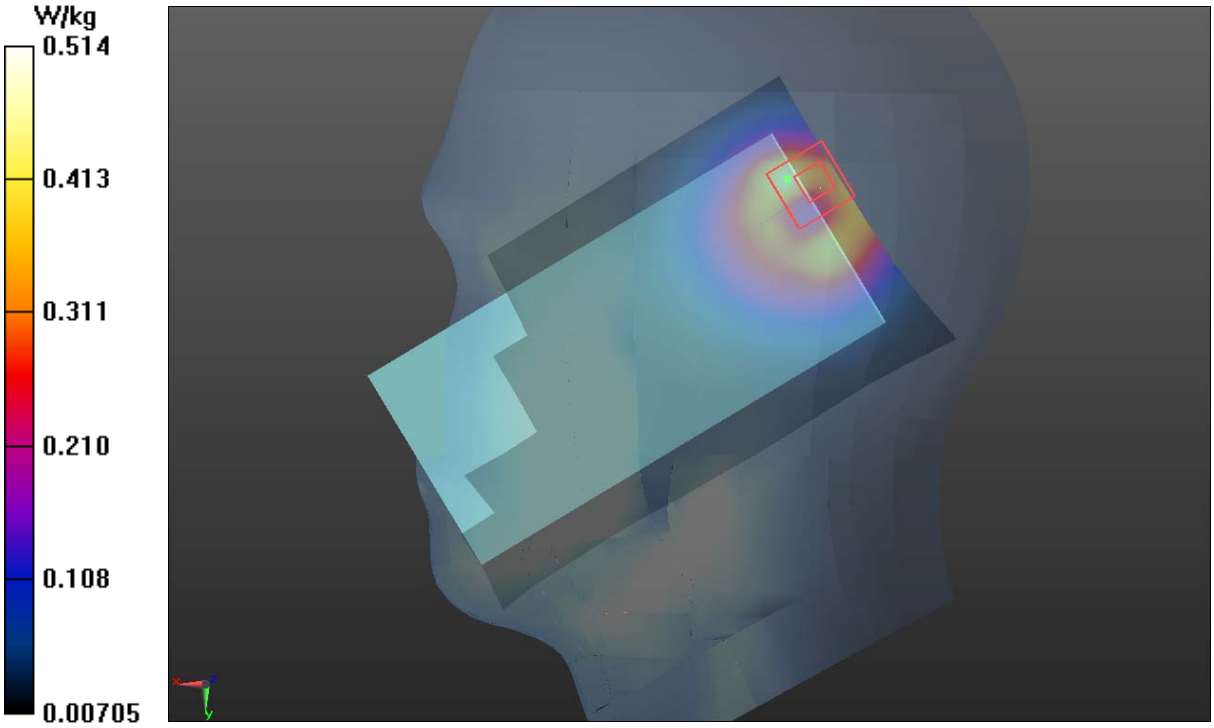
Right Tilt Middle/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.76 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 1.12 W/kg

SAR(1 g) = 0.467 W/kg; SAR(10 g) = 0.228 W/kg

Maximum value of SAR (measured) = 0.514 W/kg



Plot 132 LTE Band 26 1RB Front Side Middle(Receiver off, Distance 15mm)

Date: 7/31/2019

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

Medium parameters used (interpolated): f = 831.5 MHz; σ = 0.919 S/m; ε_r = 42.185; ρ = 1000 kg/m^3

Ambient Temperature:22.3 ℃ Liquid Temperature: 21.5℃

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 4mm (Mechanical Surface Detection)

Probe: EX3DV4 - SN3677; ConvF(9.40, 9.40, 9.40); Calibrated: 6/19/2019;

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 (71x121x1): Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 0.389 W/kg

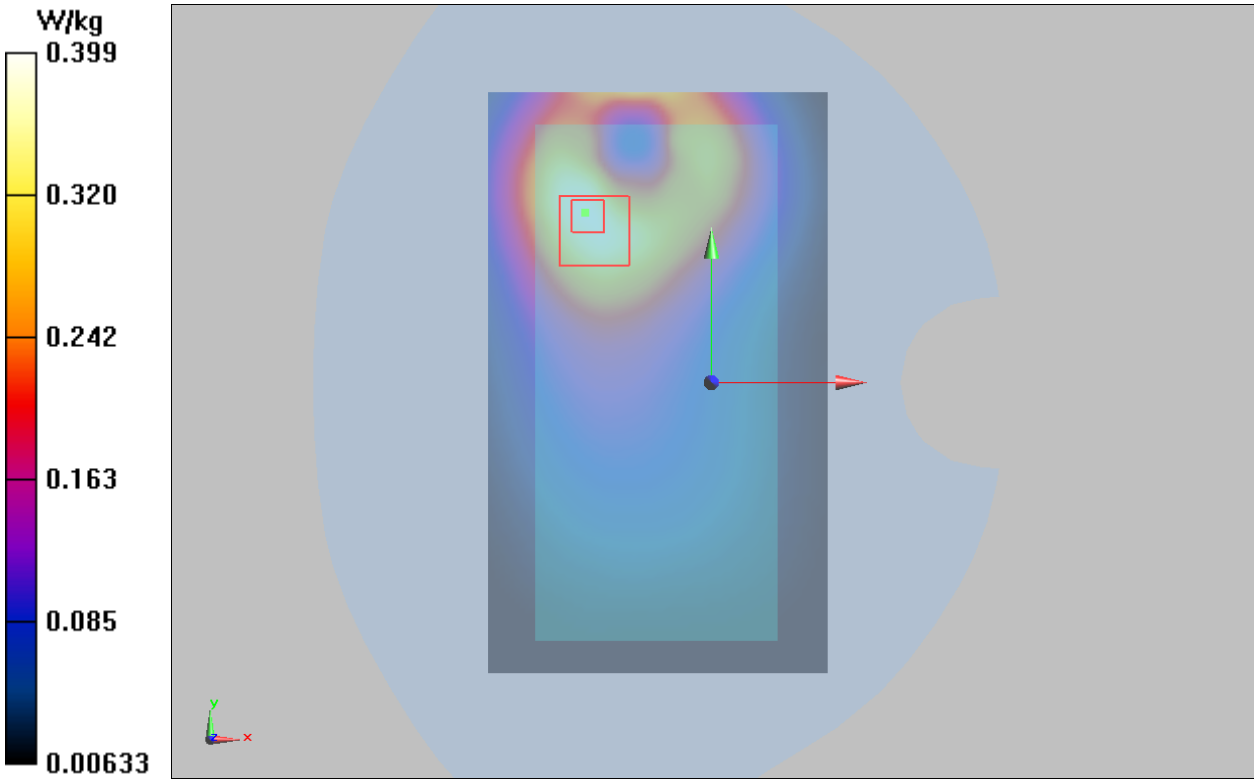
Front Side Middle/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.47 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 0.541 W/kg

SAR(1 g) = 0.369 W/kg; SAR(10 g) = 0.244 W/kg

Maximum value of SAR (measured) = 0.399 W/kg



Plot 133 LTE Band 26 1RB Front Side Middle (Receiver off+ WiFi connect/ P2P/ Hotspot, Distance 10mm)

Date: 7/31/2019

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

Medium parameters used (interpolated): f = 831.5 MHz; σ = 0.919 S/m; ε_r = 42.185; ρ = 1000 kg/m^3

Ambient Temperature:22.3 ℃ Liquid Temperature: 21.5℃

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 4mm (Mechanical Surface Detection)

Probe: EX3DV4 - SN3677; ConvF(9.40, 9.40, 9.40); Calibrated: 6/19/2019;

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 (71x121x1): Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 0.275 W/kg

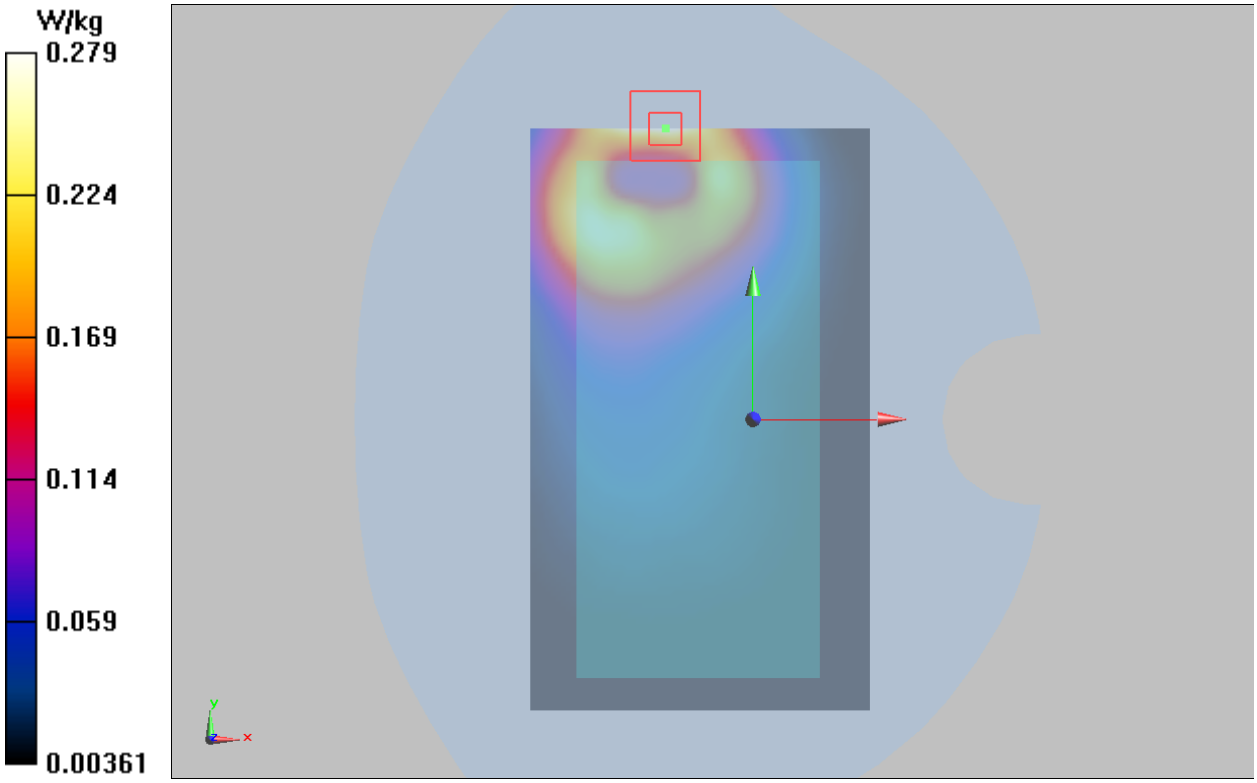
Front Side Middle/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.337 V/m; Power Drift = 0.033 dB

Peak SAR (extrapolated) = 0.449 W/kg

SAR(1 g) = 0.251 W/kg; SAR(10 g) = 0.141 W/kg

Maximum value of SAR (measured) = 0.279 W/kg



Plot 134 LTE Band 41 1RB Right Tilt Low (Receiver on)

Date: 8/5/2019

Communication System: UID 0, LTE (0); Frequency: 2506 MHz;Duty Cycle: 1:1

Medium parameters used: f = 2506 MHz; σ = 1.945 S/m; ε_r = 40.609; ρ = 1000 kg/m^3

Ambient Temperature:22.3 ℃ Liquid Temperature: 21.5℃

Phantom section: Right Section

DASY5 Configuration:

Sensor-Surface: 4mm (Mechanical Surface Detection)

Probe: EX3DV4 - SN3677; ConvF(7.20, 7.20, 7.20); Calibrated: 6/19/2019;

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

Maximum value of SAR (interpolated) = 0.696 W/kg

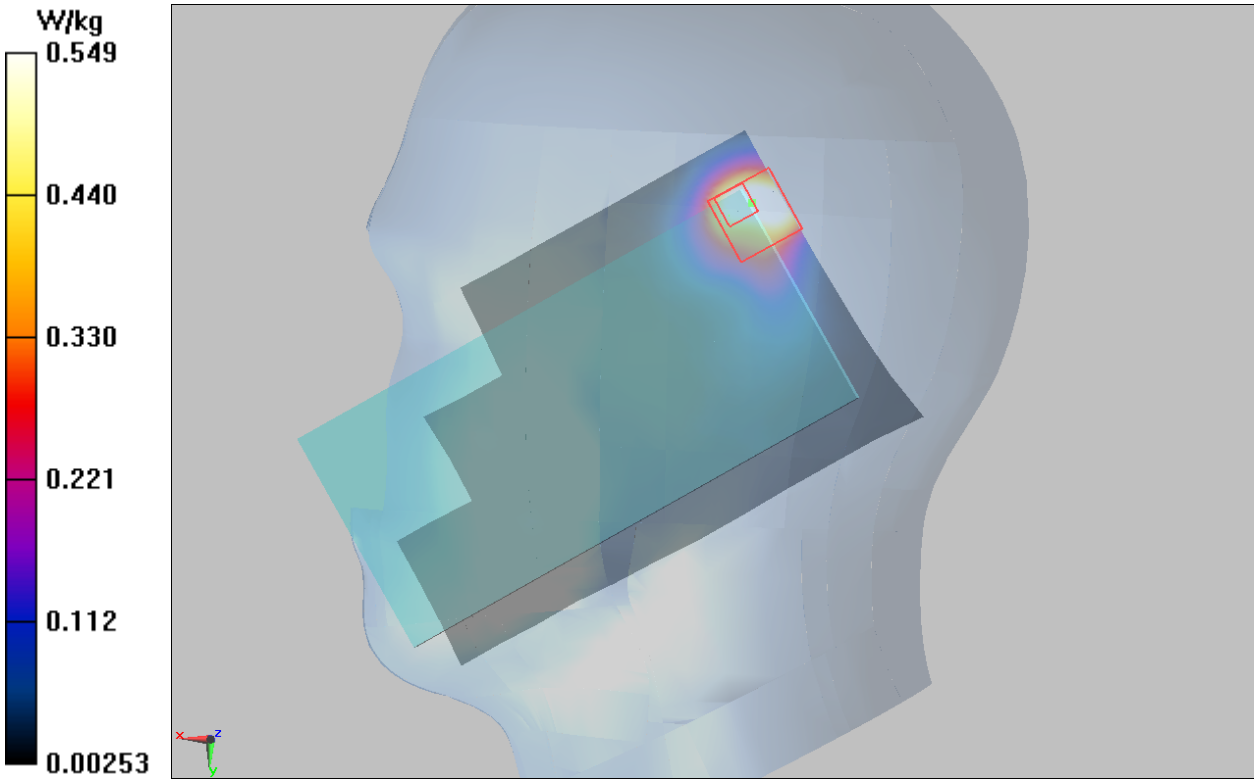
Right Tilt Low/Zoom Scan(7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.227 V/m; Power Drift = 0.083 dB

Peak SAR (extrapolated) = 1.26 W/kg

SAR(1 g) = 0.488 W/kg; SAR(10 g) = 0.235 W/kg

Maximum value of SAR (measured) = 0.549 W/kg



Plot 135 LTE Band 41 1RB Right Tilt Low Receiver on, best acoustic position)

Date: 8/5/2019

Communication System: UID 0, LTE (0); Frequency: 2506 MHz;Duty Cycle: 1:1

Medium parameters used: f = 2506 MHz; σ = 1.945 S/m; ε_r = 40.609; ρ = 1000 kg/m^3

Ambient Temperature:22.3 ℃ Liquid Temperature: 21.5℃

Phantom section: Right Section

DASY5 Configuration:

Sensor-Surface: 4mm (Mechanical Surface Detection)

Probe: EX3DV4 - SN3677; ConvF(7.20, 7.20, 7.20); Calibrated: 6/19/2019;

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

Maximum value of SAR (interpolated) = 0.580 W/kg

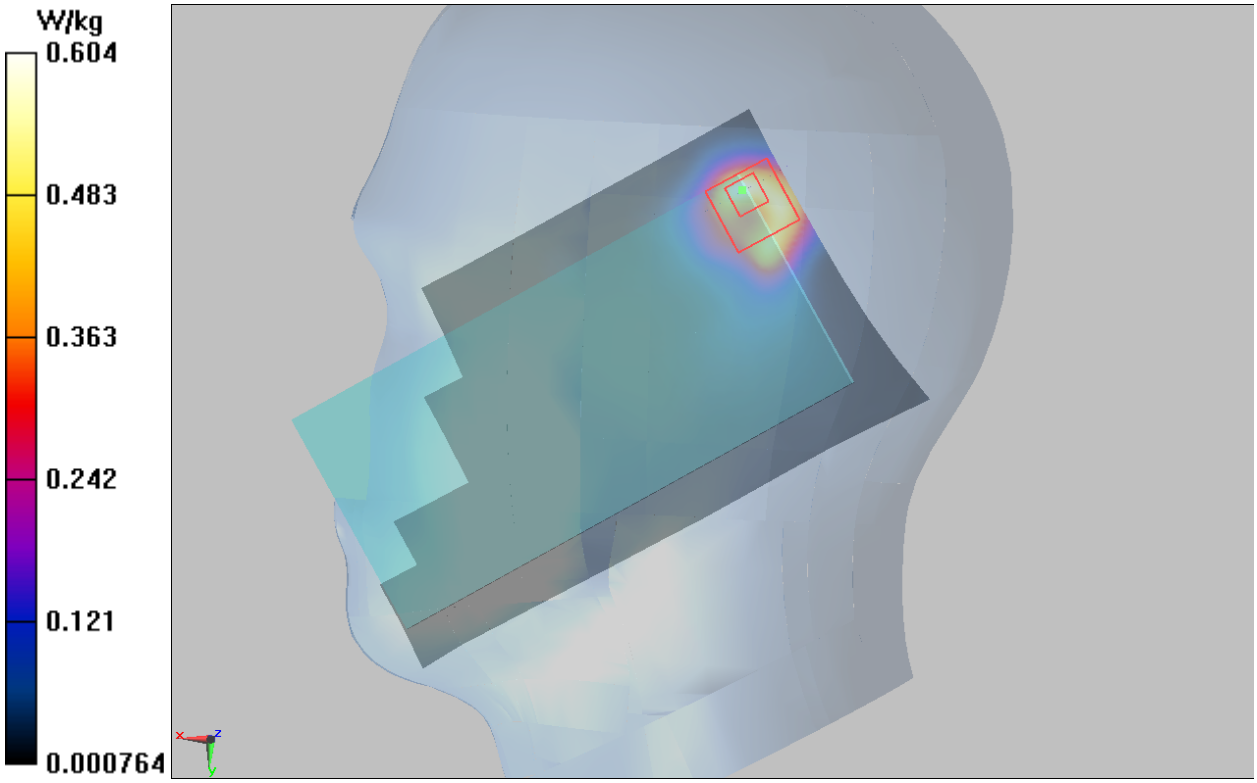
Right Tilt Low/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.498 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 1.41 W/kg

SAR(1 g) = 0.507 W/kg; SAR(10 g) = 0.234 W/kg

Maximum value of SAR (measured) = 0.604 W/kg



Plot 136 LTE Band 41 1RB Back Side Low (Receiver off, Distance 15mm)

Date: 8/2/2019

Communication System: UID 0, LTE (0); Frequency: 2506 MHz;Duty Cycle: 1:1

Medium parameters used: f = 2506 MHz; σ = 1.945 S/m; ε_r = 40.609; ρ = 1000 kg/m^3

Ambient Temperature:22.3 ℃ Liquid Temperature: 21.5℃

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 4mm (Mechanical Surface Detection)

Probe: EX3DV4 - SN3677; ConvF(7.33, 7.33, 7.33); Calibrated: 6/19/2019;

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 (91x151x1): Interpolated grid: dx=12mm, dy=12mm

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

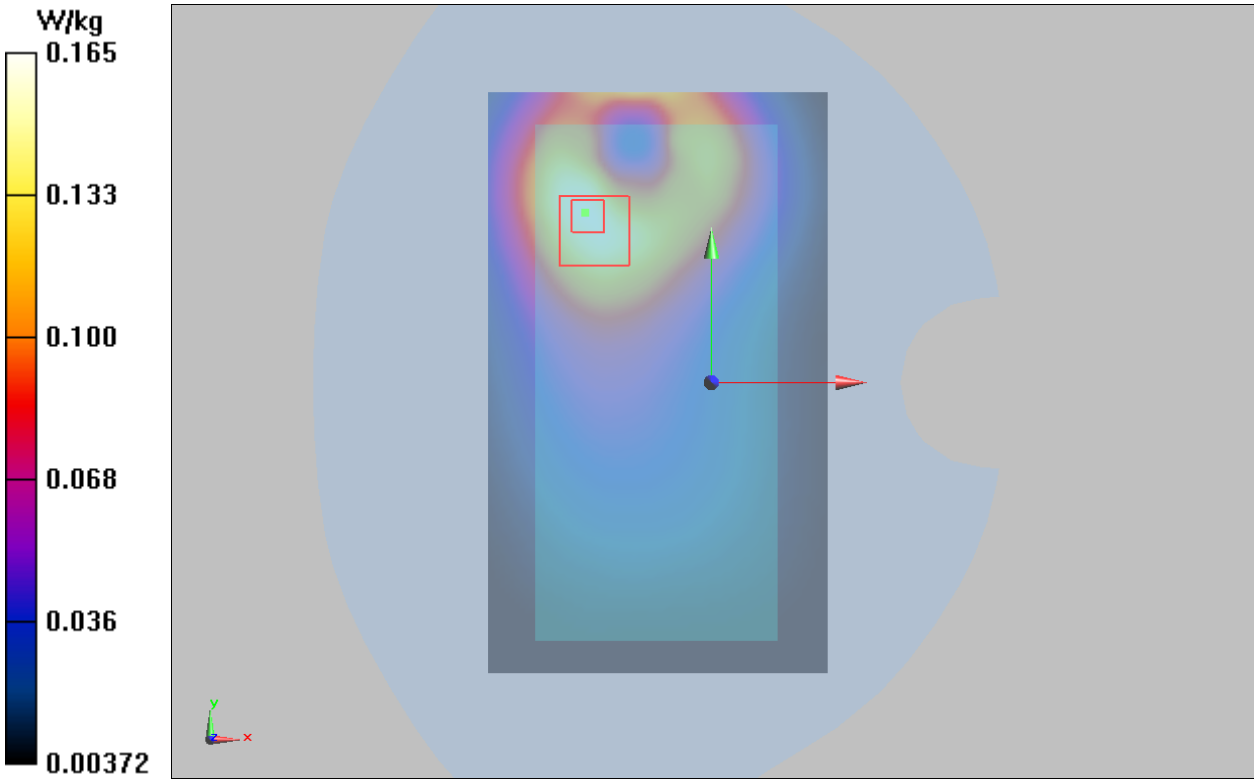
Back Side Low/Zoom Scan(7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.379 V/m; Power Drift = -0.036 dB

Peak SAR (extrapolated) = 0.873 W/kg

SAR(1 g) = 0.141 W/kg; SAR(10 g) = 0.064 W/kg

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



Plot 137 LTE Band 41 1RB Front Side High (Receiver off+ WiFi connect/ P2P/ Hotspot, Distance 10mm)

Date: 8/2/2019

Communication System: UID 0, LTE (0); Frequency: 2680 MHz;Duty Cycle: 1:1

Medium parameters used: f = 2680 MHz; σ = 2.139 S/m; ε_r = 39.935; ρ = 1000 kg/m^3

Ambient Temperature:22.3 ℃ Liquid Temperature: 21.5℃

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 4mm (Mechanical Surface Detection)

Probe: EX3DV4 - SN3677; ConvF(7.33, 7.33, 7.33); Calibrated: 6/19/2019;

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 (91x151x1): Interpolated grid: dx=12mm, dy=12mm

Maximum value of SAR (interpolated) = 0.296 W/kg

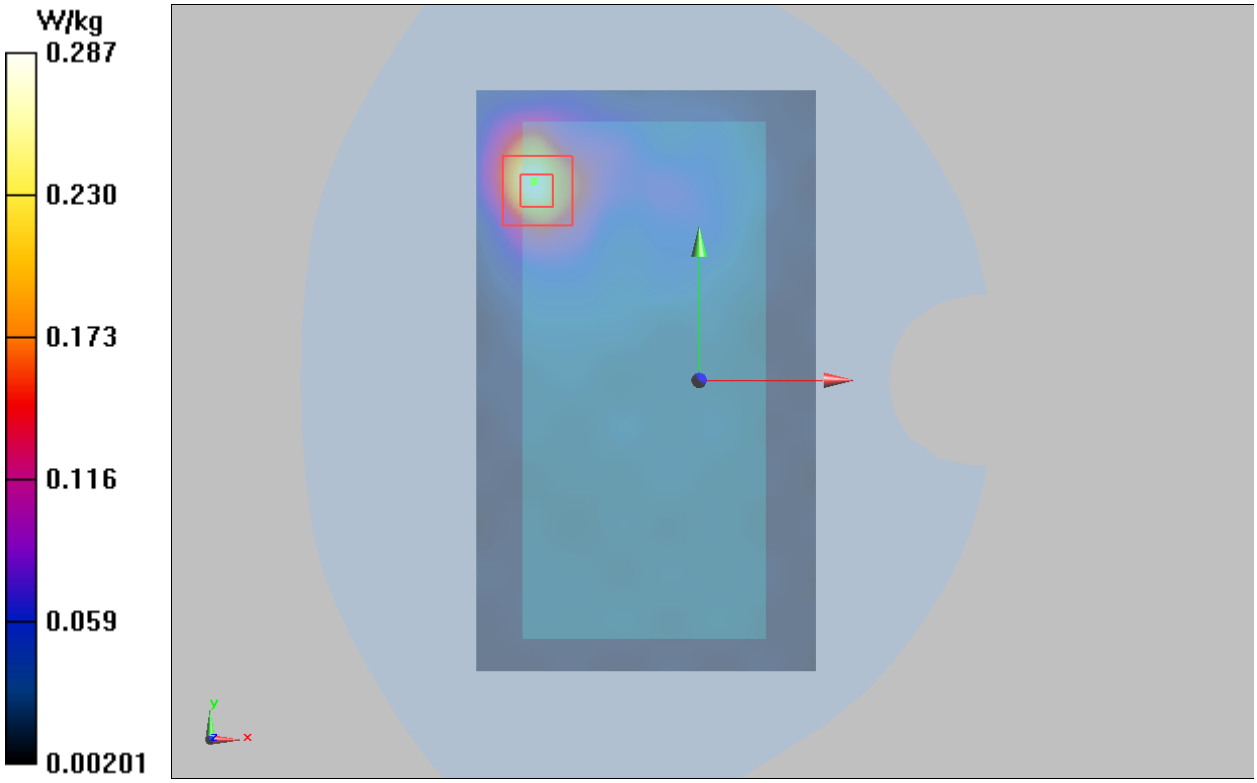
Front Side High/Zoom Scan(7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.452 V/m; Power Drift = -0.054 dB

Peak SAR (extrapolated) = 0.614 W/kg

SAR(1 g) = 0.253 W/kg; SAR(10 g) = 0.110 W/kg

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



Second MAS Antenna

Plot 138 LTE Band 2 50%RB Left Cheek High (Receiver on)

Date: 8/3/2019

Communication System: UID 0, LTE (0); Frequency: 1900 MHz;Duty Cycle: 1:1

Medium parameters used: f = 1900 MHz; σ = 1.434 S/m; ε_r = 38.861; ρ = 1000 kg/m^3

Ambient Temperature:22.3 ℃ Liquid Temperature: 21.5℃

Phantom section: Left Section

DASY5 Configuration:

Sensor-Surface: 4mm (Mechanical Surface Detection)

Probe: EX3DV4 - SN3677; ConvF(7.79, 7.79, 7.79); Calibrated: 6/19/2019;

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

Maximum value of SAR (interpolated) = 0.181 W/kg

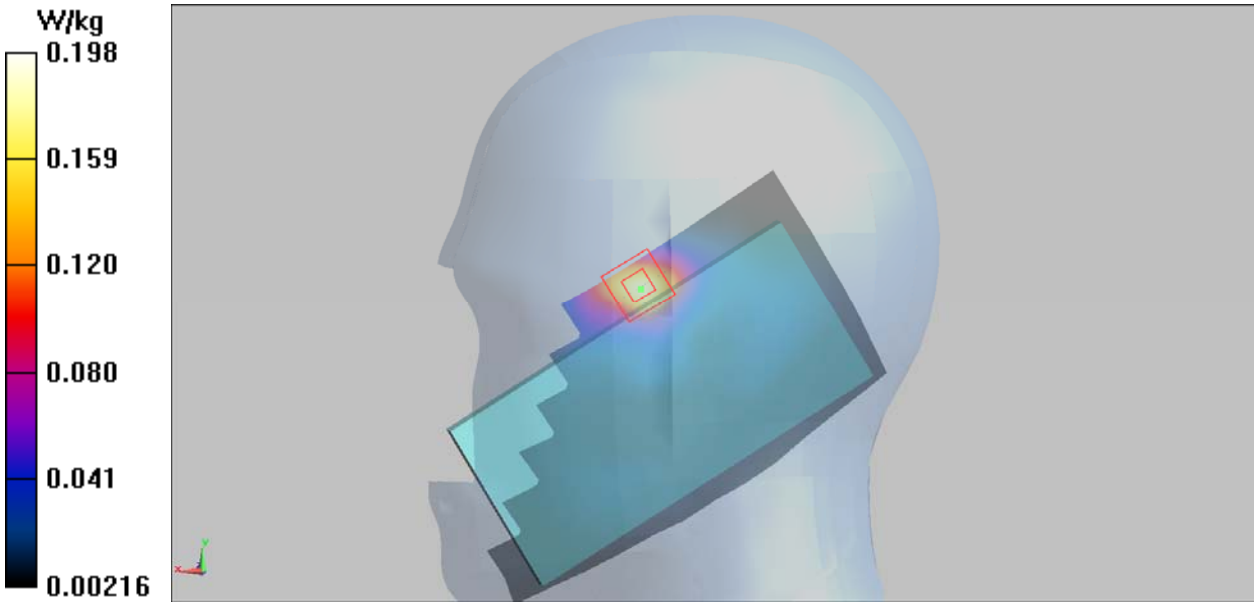
Left Cheek High/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.254 V/m; Power Drift = 0.116 dB

Peak SAR (extrapolated) = 0.356 W/kg

SAR(1 g) = 0.174 W/kg; SAR(10 g) = 0.086 W/kg

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

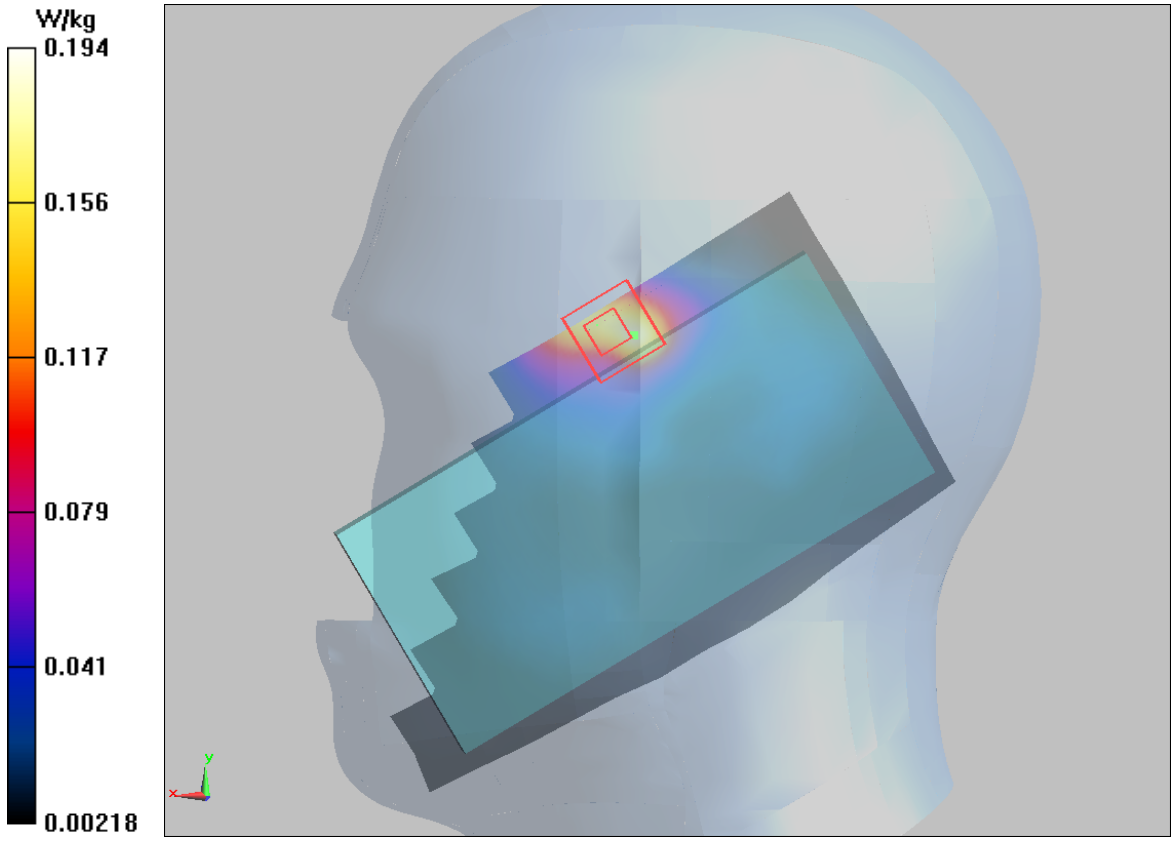


Plot 139 LTE Band 2 50%RB Left Cheek High (best acoustic position)

Date: 8/3/2019
Communication System: UID 0, LTE (0); Frequency: 1900 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1900 MHz; σ = 1.434 S/m; ε_r = 38.861; ρ = 1000 kg/m^3
Ambient Temperature:22.3 ℃ Liquid Temperature: 21.5℃
Phantom section: Left Section
DASY5 Configuration:
Sensor-Surface: 4mm (Mechanical Surface Detection)
Probe: EX3DV4 - SN3677; ConvF(7.79, 7.79, 7.79); Calibrated: 6/19/2019;
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 High/Area Scan (71x121x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 0.181 W/kg

Left Cheek High/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.143 V/m; Power Drift = 0.126 dB
Peak SAR (extrapolated) = 0.381 W/kg
SAR(1 g) = 0.180 W/kg; SAR(10 g) = 0.087 W/kg
Maximum value of SAR (measured) = 0.194 W/kg

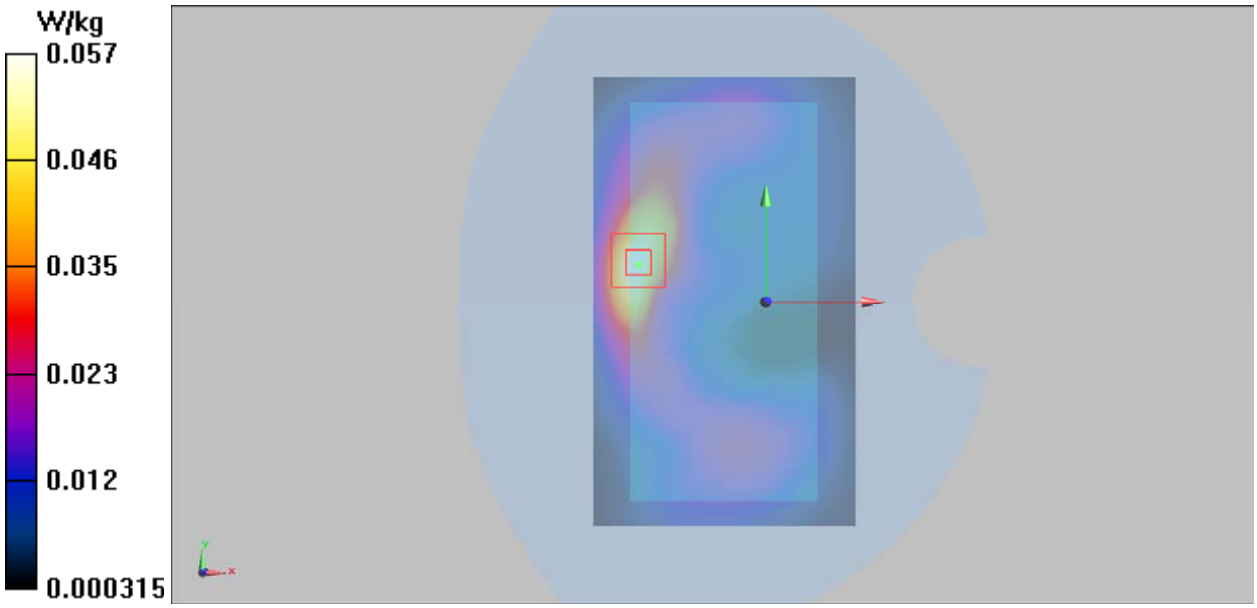


Plot 140 LTE Band 2 50%RB Back Side High (Distance 15mm) (Receiver off)

Date: 7/28/2019
Communication System: UID 0, LTE (0); Frequency: 1900 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1900 MHz; σ = 1.434 S/m; ε_r = 38.861; ρ = 1000 kg/m^3
Ambient Temperature:22.3 ℃ Liquid Temperature: 21.5℃
Phantom section: Flat Section
DASY5 Configuration:
Sensor-Surface: 4mm (Mechanical Surface Detection)
Probe: EX3DV4 - SN3677; ConvF(7.62, 7.62, 7.62); Calibrated: 6/19/2019;
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 mm, dy=15 mm
Maximum value of SAR (interpolated) = 0.0574 W/kg

Back Side High/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.798 V/m; Power Drift = 0.042 dB
Peak SAR (extrapolated) = 0.0940 W/kg
SAR(1 g) = 0.051 W/kg; SAR(10 g) = 0.028 W/kg
Maximum value of SAR (measured) = 0.057 W/kg

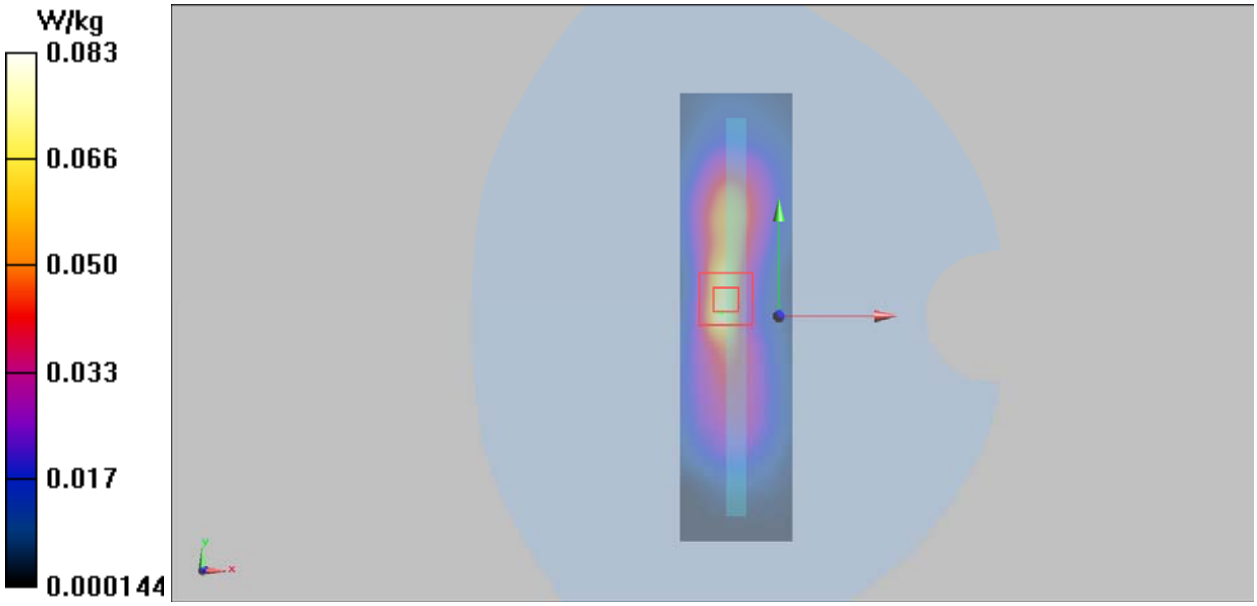


Plot 141 LTE Band 2 50%RB Right Edge Low (Distance 10mm) (Receiver off+ WiFi connect/P2P/Hotspot)

Date: 7/28/2019
Communication System: UID 0, LTE (0); Frequency: 1900 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1900 MHz; σ = 1.434 S/m; ε_r = 38.861; ρ = 1000 kg/m^3
Ambient Temperature:22.3 ℃ Liquid Temperature: 21.5℃
Phantom section: Flat Section
DASY5 Configuration:
Sensor-Surface: 4mm (Mechanical Surface Detection)
Probe: EX3DV4 - SN3677; ConvF(7.62, 7.62, 7.62); Calibrated: 6/19/2019;
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 Edge High /Area Scan (51x181x1): Interpolated grid: dx=10 mm, dy=10 mm
Maximum value of SAR (interpolated) = 0.0761 W/kg

Right Edge High /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 7.009 V/m; Power Drift = 0.039 dB
Peak SAR (extrapolated) = 0.160 W/kg
SAR(1 g) = 0.075 W/kg; SAR(10 g) = 0.034 W/kg
Maximum value of SAR (measured) = 0.083 W/kg



Plot 142 LTE Band 4 50%RB Left Cheek Middle (Receiver on)

Date: 7/30/2019

Communication System: UID 0, LTE (0); Frequency: 1732.5 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.313 S/m; ε_r = 39.384; ρ = 1000 kg/m^3

Ambient Temperature:22.3 ℃ Liquid Temperature: 21.5℃

Phantom section: Left Section

DASY5 Configuration:

Sensor-Surface: 4mm (Mechanical Surface Detection)

Probe: EX3DV4 - SN3677; ConvF(8.21, 8.21, 8.21); Calibrated: 6/19/2019;

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

Maximum value of SAR (interpolated) = 0.0557 W/kg

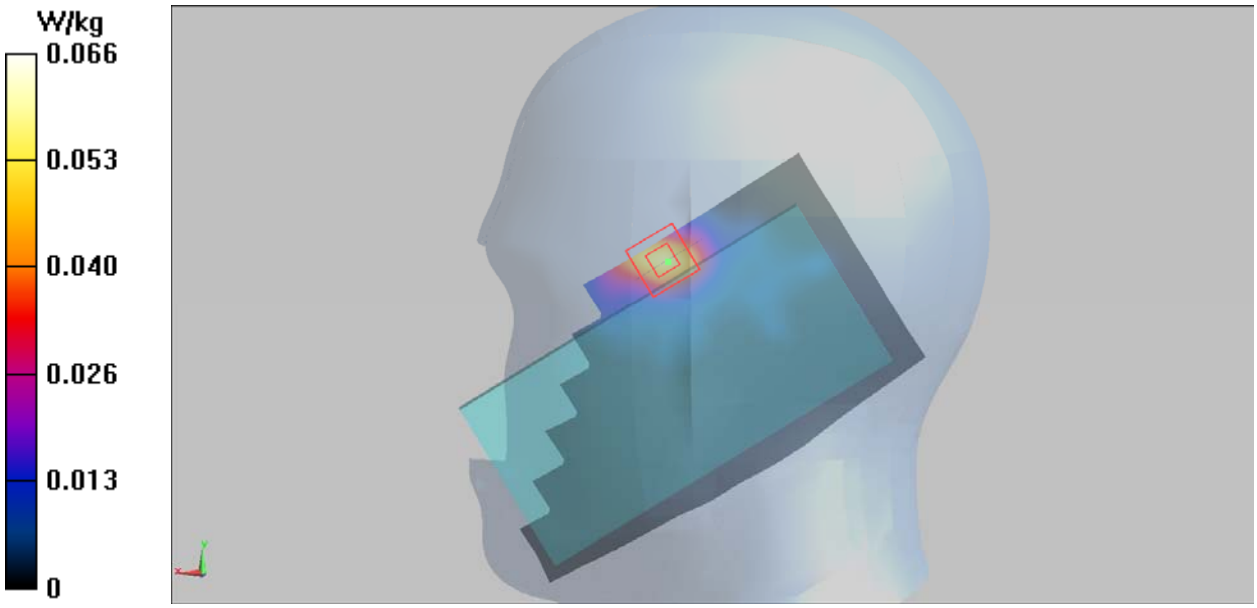
Left Cheek Middle/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.247 V/m; Power Drift = 0.109 dB

Peak SAR (extrapolated) = 0.114 W/kg

SAR(1 g) = 0.057 W/kg; SAR(10 g) = 0.027 W/kg

Maximum value of SAR (measured) = 0.066 W/kg



Plot 143 LTE Band 4 50%RB Left Cheek Middle (best acoustic position)

Date: 7/30/2019

Communication System: UID 0, LTE (0); Frequency: 1732.5 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.313 S/m; ε_r = 39.384; ρ = 1000 kg/m^3

Ambient Temperature:22.3 ℃ Liquid Temperature: 21.5℃

Phantom section: Left Section

DASY5 Configuration:

Sensor-Surface: 4mm (Mechanical Surface Detection)

Probe: EX3DV4 - SN3677; ConvF(8.21, 8.21, 8.21); Calibrated: 6/19/2019;

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

Maximum value of SAR (interpolated) = 0.0712 W/kg

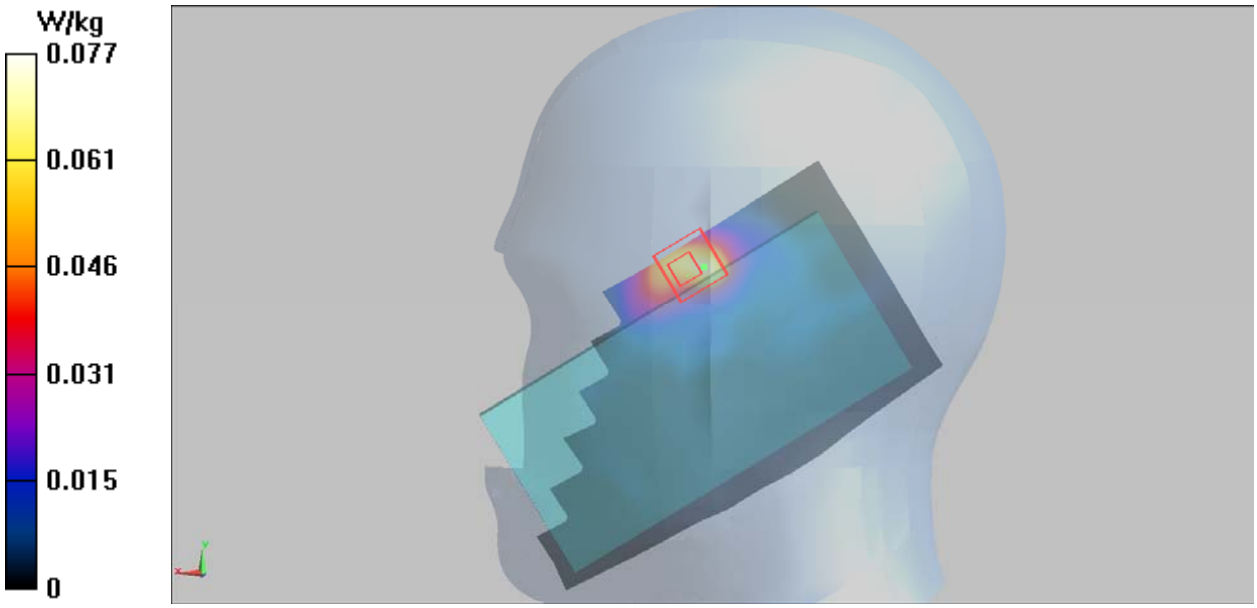
Left Cheek Middle/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.221 V/m; Power Drift = 0.052 dB

Peak SAR (extrapolated) = 0.140 W/kg

SAR(1 g) = 0.069 W/kg; SAR(10 g) = 0.032 W/kg

Maximum value of SAR (measured) = 0.077 W/kg



Plot 144 LTE Band 4 50%RB Back Side Middle (Distance 15mm) (Receiver off)

Date: 7/30/2019

Communication System: UID 0, LTE (0); Frequency: 1732.5 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.313 S/m; ε_r = 39.384; ρ = 1000 kg/m^3

Ambient Temperature:22.3 ℃ Liquid Temperature: 21.5℃

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 4mm (Mechanical Surface Detection)

Probe: EX3DV4 - SN3677; ConvF(7.86, 7.86, 7.86); Calibrated: 6/19/2019;

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

Maximum value of SAR (interpolated) = 0.0144 W/kg

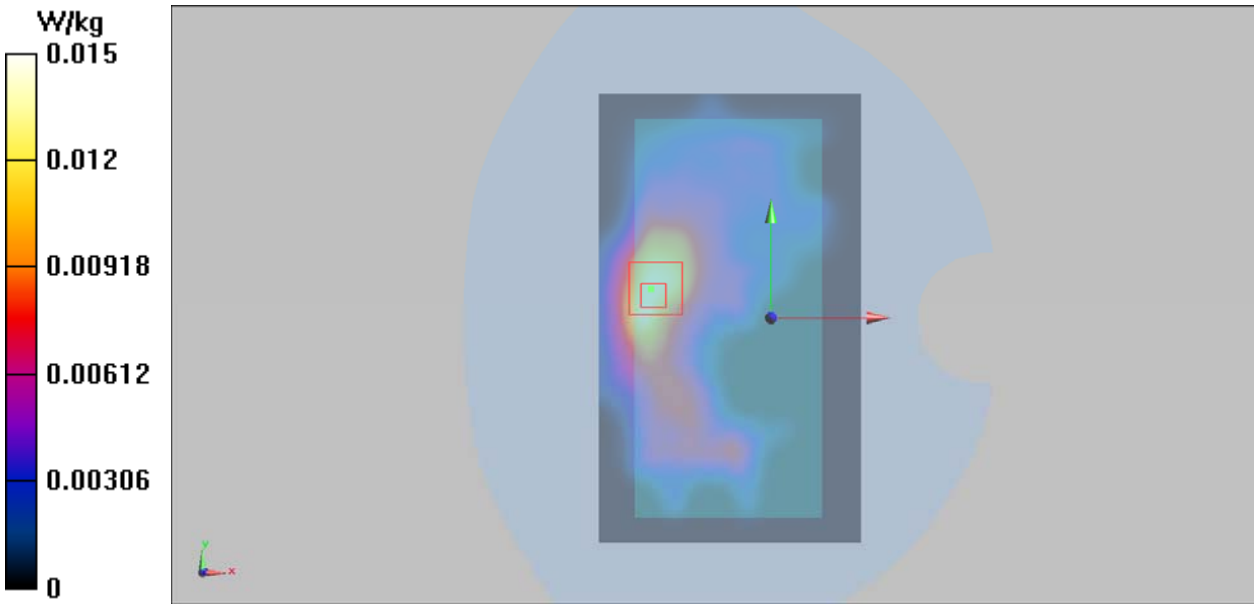
Back Side Middle/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 1.674 V/m; Power Drift = -0.043 dB

Peak SAR (extrapolated) = 0.0250 W/kg

SAR(1 g) = 0.014 W/kg; SAR(10 g) = 0.00752 W/kg

Maximum value of SAR (measured) = 0.015 W/kg



Plot 145 LTE Band 4 1RB Right Edge High (Distance 10mm) (Receiver off+ WiFi connect/P2P/Hotspot)

Date: 7/30/2019

Communication System: UID 0, LTE (0); Frequency: 1745 MHz;Duty Cycle: 1:1

Medium parameters used: f = 1745 MHz; σ = 1.323 S/m; ε_r = 39.378; ρ = 1000 kg/m^3

Ambient Temperature:22.3 ℃ Liquid Temperature: 21.5℃

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 4mm (Mechanical Surface Detection)

Probe: EX3DV4 - SN3677; ConvF(7.86, 7.86, 7.86); Calibrated: 6/19/2019;

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 Edge High/Area Scan (51x1181x1): Interpolated grid: dx=10 mm, dy=10 mm

Maximum value of SAR (interpolated) = 0.0590 W/kg

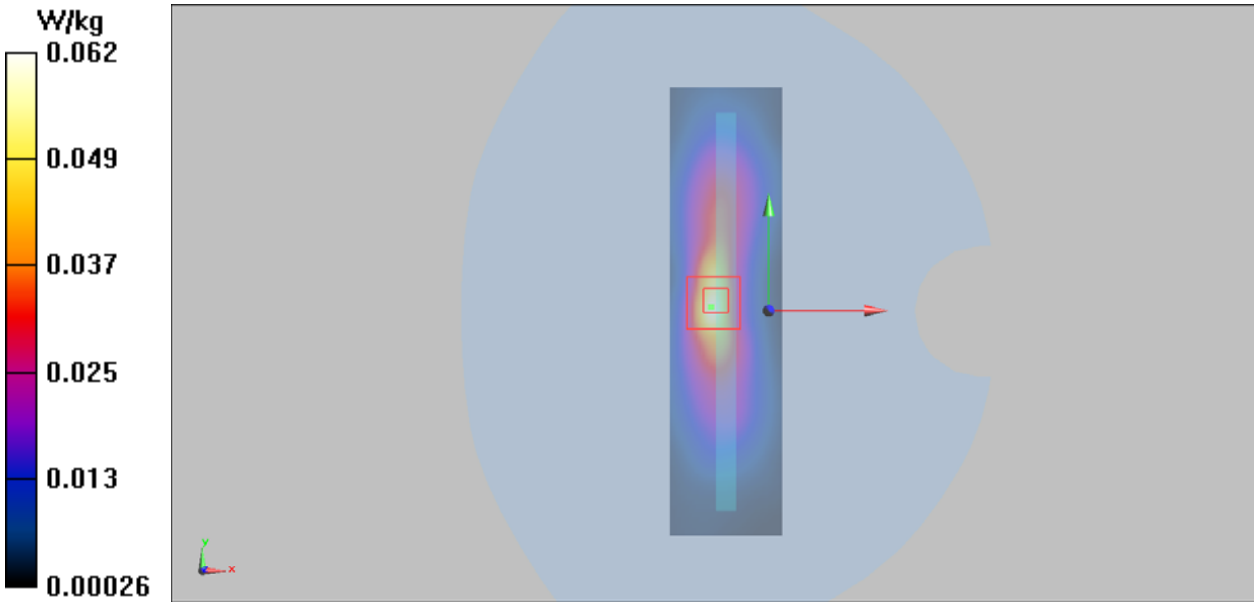
Right Edge High/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.426 V/m; Power Drift = 0.037 dB

Peak SAR (extrapolated) = 0.113 W/kg

SAR(1 g) = 0.055 W/kg; SAR(10 g) = 0.026 W/kg

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



Plot 146 LTE Band 7 1RB Left Cheek Low (Receiver on)

Date: 7/29/2019

Communication System: UID 0, LTE (0); Frequency: 2510 MHz;Duty Cycle: 1:1

Medium parameters used: f = 2510 MHz; σ = 1.949 S/m; ε_r = 40.597; ρ = 1000 kg/m^3

Ambient Temperature:22.3 ℃ Liquid Temperature: 21.5℃

Phantom section: Left Section

DASY5 Configuration:

Sensor-Surface: 4mm (Mechanical Surface Detection)

Probe: EX3DV4 - SN3677; ConvF(7.20, 7.20, 7.20); Calibrated: 6/19/2019;

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

Maximum value of SAR (interpolated) = 0.258 W/kg

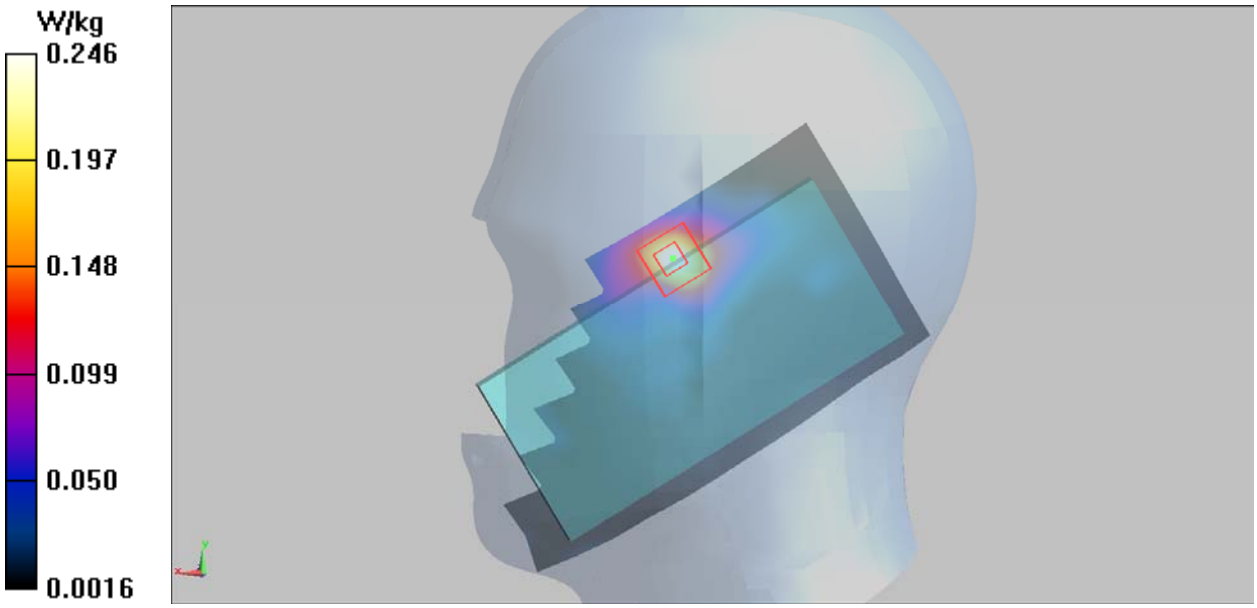
Left Cheek Low/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.163 V/m; Power Drift = 0.024 dB

Peak SAR (extrapolated) = 0.478 W/kg

SAR(1 g) = 0.217 W/kg; SAR(10 g) = 0.104 W/kg

Maximum value of SAR (measured) = 0.246 W/kg

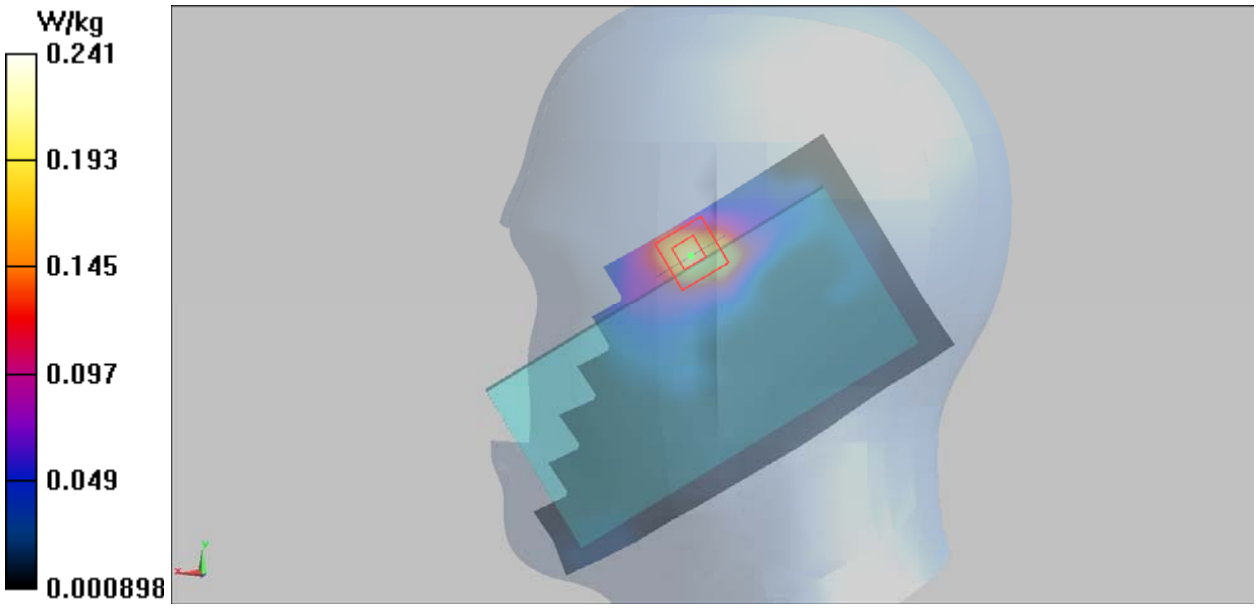


Plot 147 LTE Band 7 1RB Left Cheek Low (best acoustic position)

Date: 7/29/2019
Communication System: UID 0, LTE (0); Frequency: 2510 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2510 MHz; σ = 1.949 S/m; ε_r = 40.597; ρ = 1000 kg/m^3
Ambient Temperature:22.3 ℃ Liquid Temperature: 21.5℃
Phantom section: Left Section
DASY5 Configuration:
Sensor-Surface: 4mm (Mechanical Surface Detection)
Probe: EX3DV4 - SN3677; ConvF(7.20, 7.20, 7.20); Calibrated: 6/19/2019;
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 Low/Area Scan (91x151x1): Interpolated grid: dx=12 mm, dy=12 mm
Maximum value of SAR (interpolated) = 0.206 W/kg

Left Cheek Low/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 1.796 V/m; Power Drift = -0.098 dB
Peak SAR (extrapolated) = 0.499 W/kg
SAR(1 g) = 0.212 W/kg; SAR(10 g) = 0.096 W/kg
Maximum value of SAR (measured) = 0.241 W/kg



Plot 148 LTE Band 7 1RB Right Edge Middle(Distance 10mm) (Receiver off+ WiFi connect/P2P/Hotspot)

Date: 8/1/2019

Communication System: UID 0, LTE (0); Frequency: 2535 MHz;Duty Cycle: 1:1

Medium parameters used: f = 2535 MHz; σ = 1.97 S/m; ε_r = 40.51; ρ = 1000 kg/m^3

Ambient Temperature:22.3 ℃ Liquid Temperature: 21.5℃

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 4mm (Mechanical Surface Detection)

Probe: EX3DV4 - SN3677; ConvF(7.33, 7.33, 7.33); Calibrated: 6/19/2019;

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 Edge Middle/Area Scan (51x181x1): Interpolated grid: dx=10 mm, dy=10 mm

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

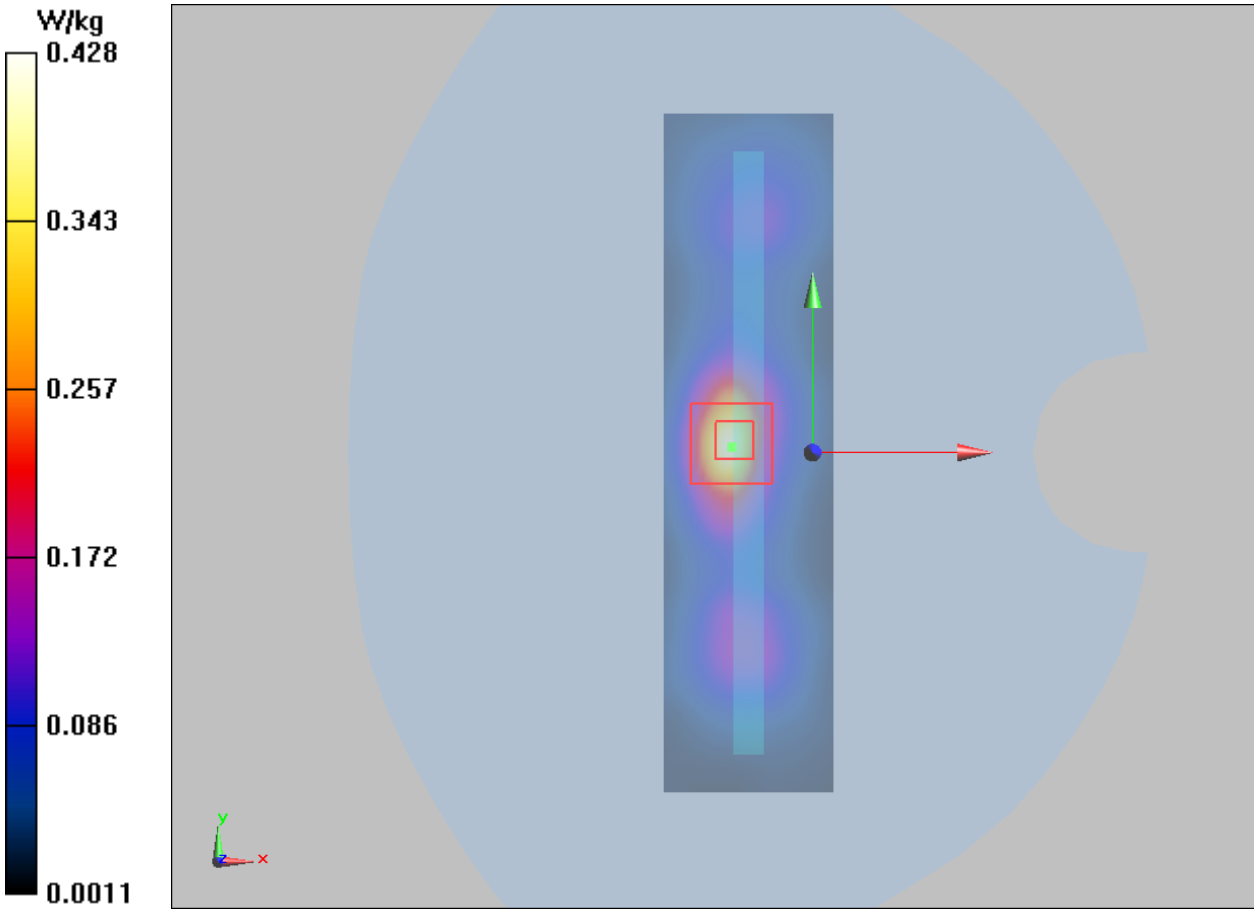
Right Edge Middle/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 13.50 V/m; Power Drift = 0.030 dB

Peak SAR (extrapolated) = 0.807 W/kg

SAR(1 g) = 0.364 W/kg; SAR(10 g) = 0.158 W/kg

Maximum value of SAR (measured) = 0.428 W/kg



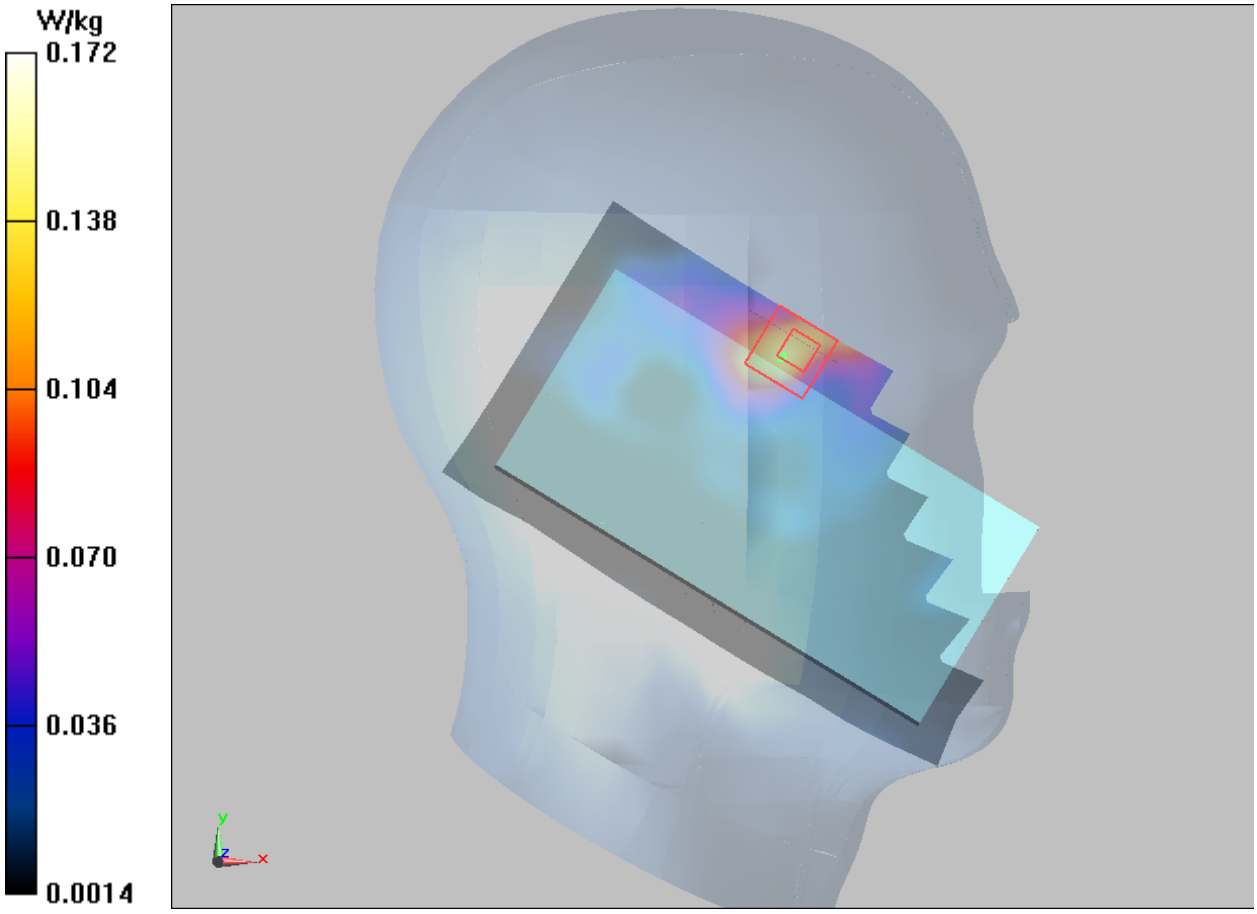
Plot 149 LTE Band 41 1RB Left Cheek Middle (SIM2) (Receiver on)

Date: 7/29/2019
Communication System: UID 0, LTE (0); Frequency: 2636.5 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 2636.5 MHz; σ = 2.094 S/m; ε_r = 40.144; ρ = 1000 kg/m^3
Ambient Temperature:22.3 ℃ Liquid Temperature: 21.5℃
Phantom section: Left Section
DASY5 Configuration:
Sensor-Surface: 4mm (Mechanical Surface Detection)
Probe: EX3DV4 - SN3677; ConvF(7.20, 7.20, 7.20); Calibrated: 6/19/2019;
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 Middle/Area Scan (91x151x1): Interpolated grid: dx=12 mm, dy=12 mm
Maximum value of SAR (interpolated) = 0.165 W/kg

Left Cheek Middle/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 2.398 V/m; Power Drift = 0.027 dB
Peak SAR (extrapolated) = 0.317 W/kg
SAR(1 g) = 0.157 W/kg; SAR(10 g) = 0.067 W/kg

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



Plot 150 LTE Band 41 1RB Left Cheek Middle (best acoustic position)

Date: 7/29/2019

Communication System: UID 0, LTE (0); Frequency: 2636.5 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 2636.5 MHz; σ = 2.094 S/m; ε_r = 40.144; ρ = 1000 kg/m^3

Ambient Temperature:22.3 ℃ Liquid Temperature: 21.5℃

Phantom section: Left Section

DASY5 Configuration:

Sensor-Surface: 4mm (Mechanical Surface Detection)

Probe: EX3DV4 - SN3677; ConvF(7.20, 7.20, 7.20); Calibrated: 6/19/2019;

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

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

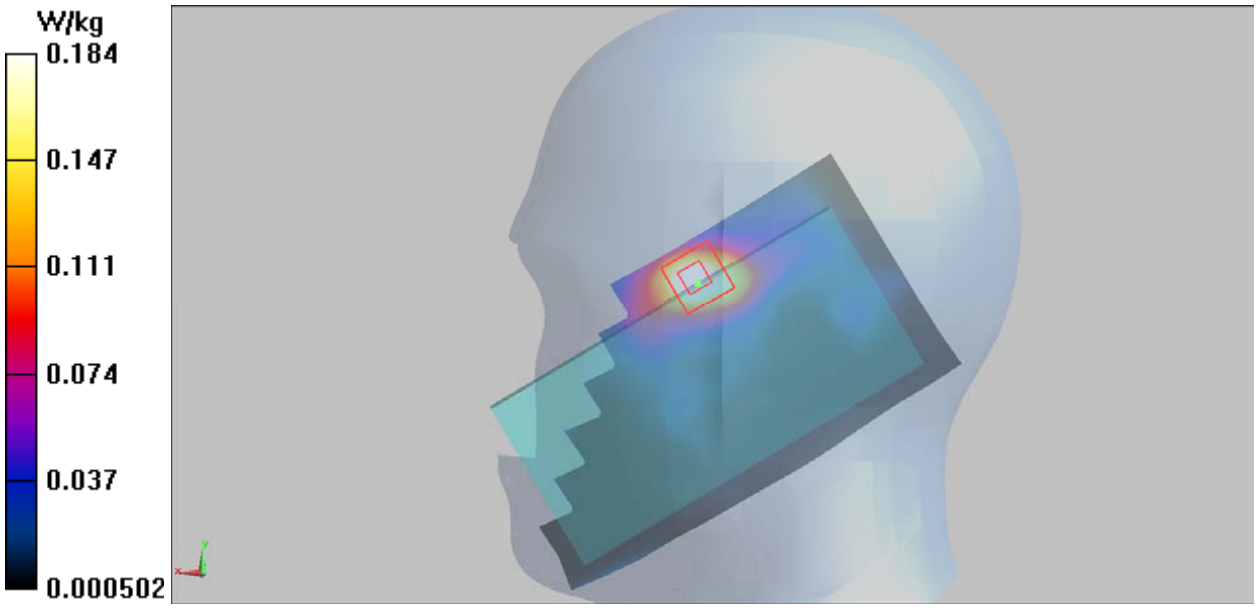
Left Cheek Middle/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 1.565 V/m; Power Drift = 0.100 dB

Peak SAR (extrapolated) = 0.525 W/kg

SAR(1 g) = 0.159 W/kg; SAR(10 g) = 0.082 W/kg

Maximum value of SAR (measured) = 0.184 W/kg



Plot 151 LTE Band 41 1RB Right Edge Middle (Distance 10mm) (Receiver off+ WiFi connect/P2P/Hotspot)

Date: 8/1/2019

Communication System: UID 0, LTE (0); Frequency: 2636.5 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 2636.5 MHz; σ = 2.094 S/m; ε_r = 40.144; ρ = 1000 kg/m^3

Ambient Temperature:22.3 ℃ Liquid Temperature: 21.5℃

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 4mm (Mechanical Surface Detection)

Probe: EX3DV4 - SN3677; ConvF(7.33, 7.33, 7.33); Calibrated: 6/19/2019;

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 Edge Middle/Area Scan (51x181x1): Interpolated grid: dx=10 mm, dy=10 mm

Maximum value of SAR (interpolated) = 0.470 W/kg

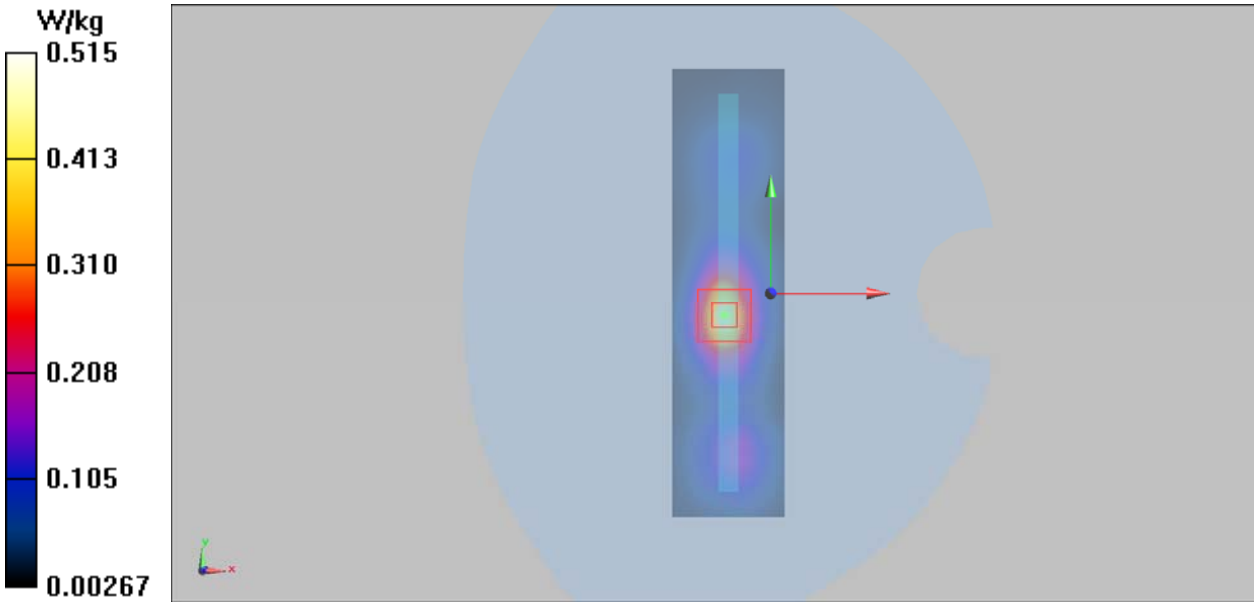
Right Edge Middle/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 14.17 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 1.02 W/kg

SAR(1 g) = 0.439 W/kg; SAR(10 g) = 0.188 W/kg

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



Wi-Fi-Antenna

Plot 152 802.11b Left Tilt Middle (Receiver on) (Antenna 1)

Date: 7/27/2019

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

Medium parameters used: f = 2437 MHz; σ = 1.856 S/m; ε_r = 40.836; ρ = 1000 kg/m^3

Ambient Temperature:22.3 ℃ Liquid Temperature: 21.5℃

Phantom section: Left Section

DASY5 Configuration:

Sensor-Surface: 4mm (Mechanical Surface Detection)

Probe: EX3DV4 - SN3677; ConvF(7.50, 7.50, 7.50); Calibrated: 6/19/2019;

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 (91x151x1): Interpolated grid: dx=12 mm, dy=12 mm

Maximum value of SAR (interpolated) = 0.404 W/kg

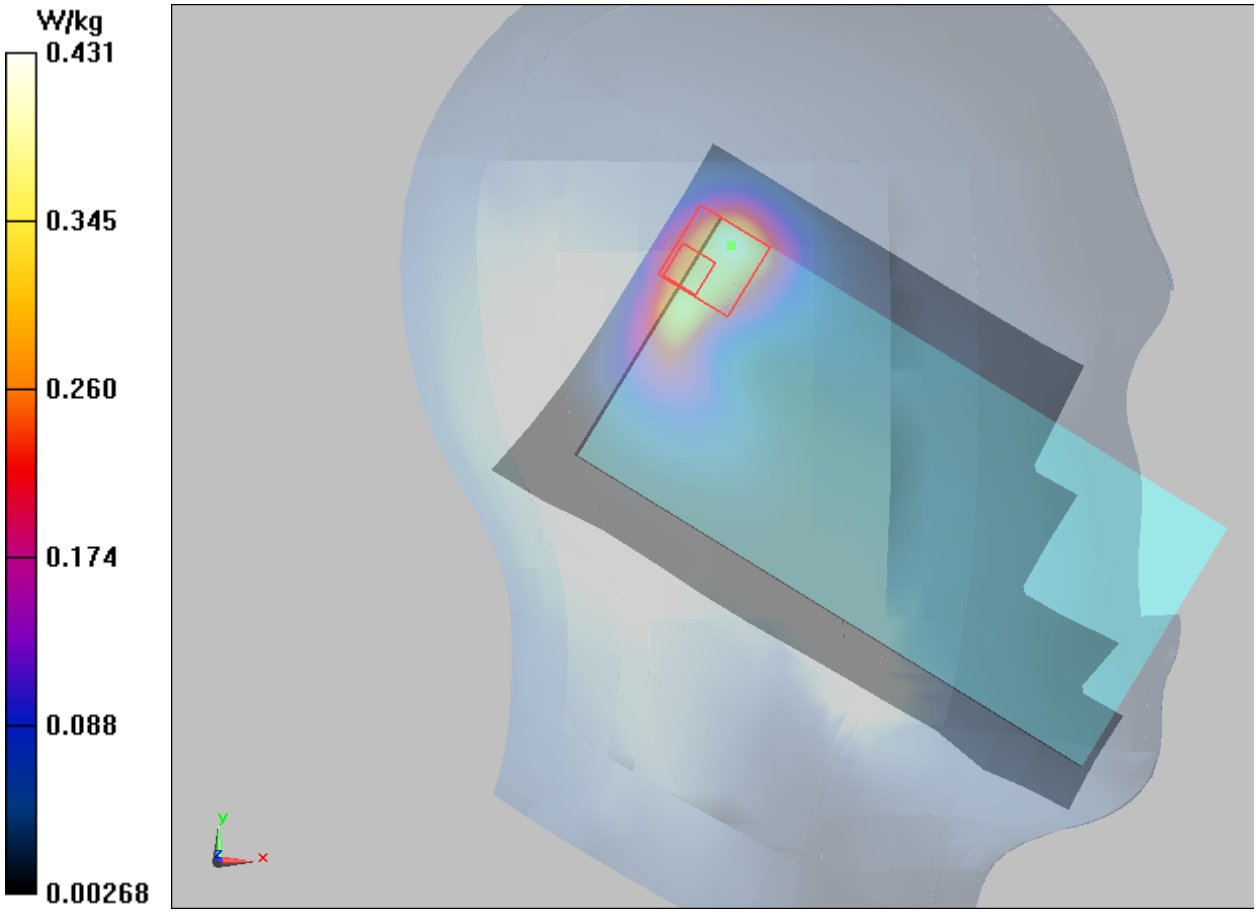
Left Tilt Middle/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.174 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.853 W/kg

SAR(1 g) = 0.361 W/kg; SAR(10 g) = 0.169 W/kg

Maximum value of SAR (measured) = 0.431 W/kg



Plot 153 802.11b Left Tilt Middle (best acoustic position) (Antenna 1)

Date: 7/27/2019

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

Medium parameters used: f = 2437 MHz; σ = 1.856 S/m; ε_r = 40.836; ρ = 1000 kg/m^3

Ambient Temperature:22.3 ℃ Liquid Temperature: 21.5℃

Phantom section: Left Section

DASY5 Configuration:

Sensor-Surface: 4mm (Mechanical Surface Detection)

Probe: EX3DV4 - SN3677; ConvF(7.50, 7.50, 7.50); Calibrated: 6/19/2019;

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 (91x151x1): Interpolated grid: dx=12 mm, dy=12 mm

Maximum value of SAR (interpolated) = 0.411 W/kg

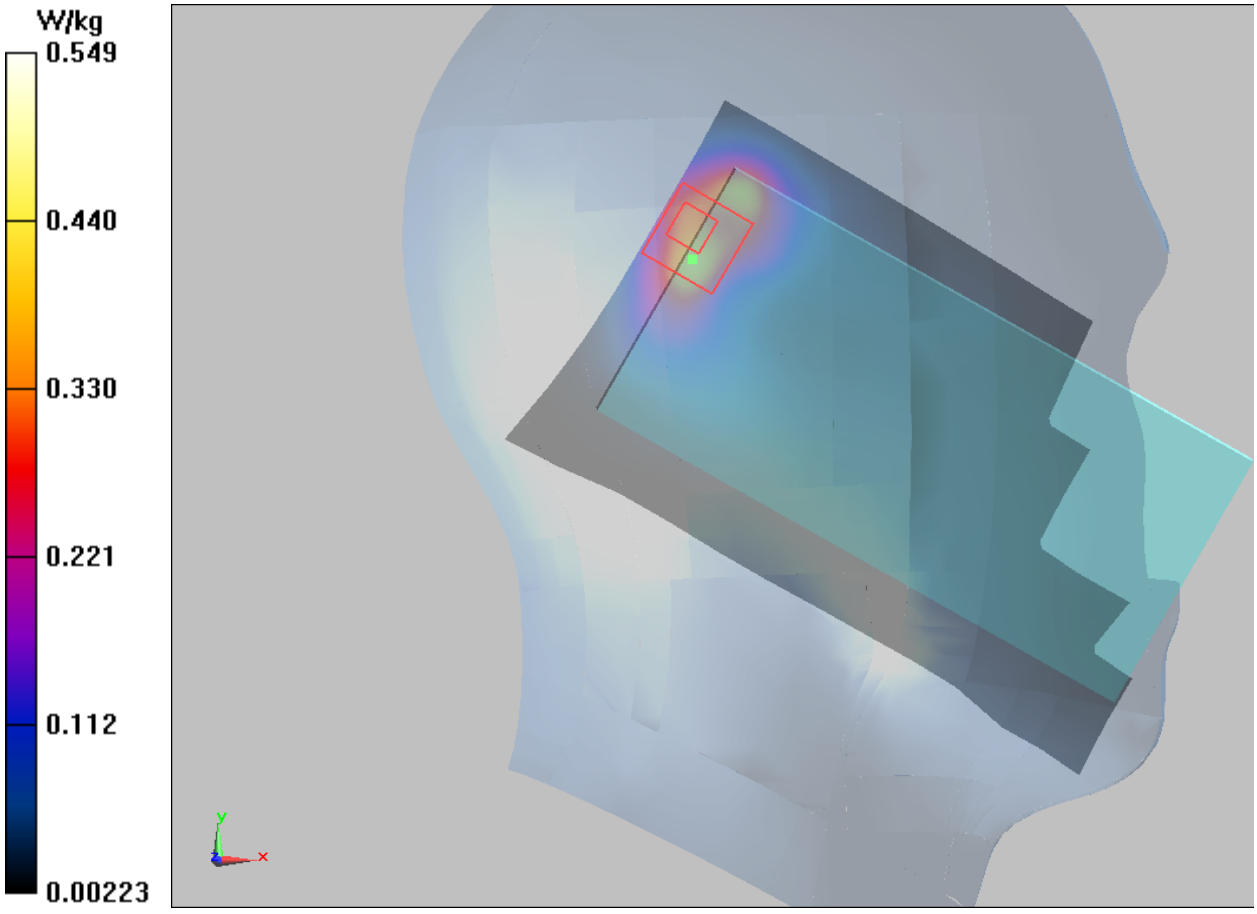
Left Tilt Middle/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.587 V/m; Power Drift = 0.027 dB

Peak SAR (extrapolated) = 1.18 W/kg

SAR(1 g) = 0.467 W/kg; SAR(10 g) = 0.207 W/kg

Maximum value of SAR (measured) = 0.549 W/kg



Plot 154 802.11b Front Side Middle (Distance 15mm) (Receiver off) (Antenna 1)

Date: 7/27/2019

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

Medium parameters used: f = 2437 MHz; σ = 1.856 S/m; ε_r = 40.836; ρ = 1000 kg/m^3

Ambient Temperature:22.3 ℃ Liquid Temperature: 21.5℃

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 4mm (Mechanical Surface Detection)

Probe: EX3DV4 - SN3677; ConvF(7.57, 7.57, 7.57); Calibrated: 6/19/2019;

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) = 0.162 W/kg

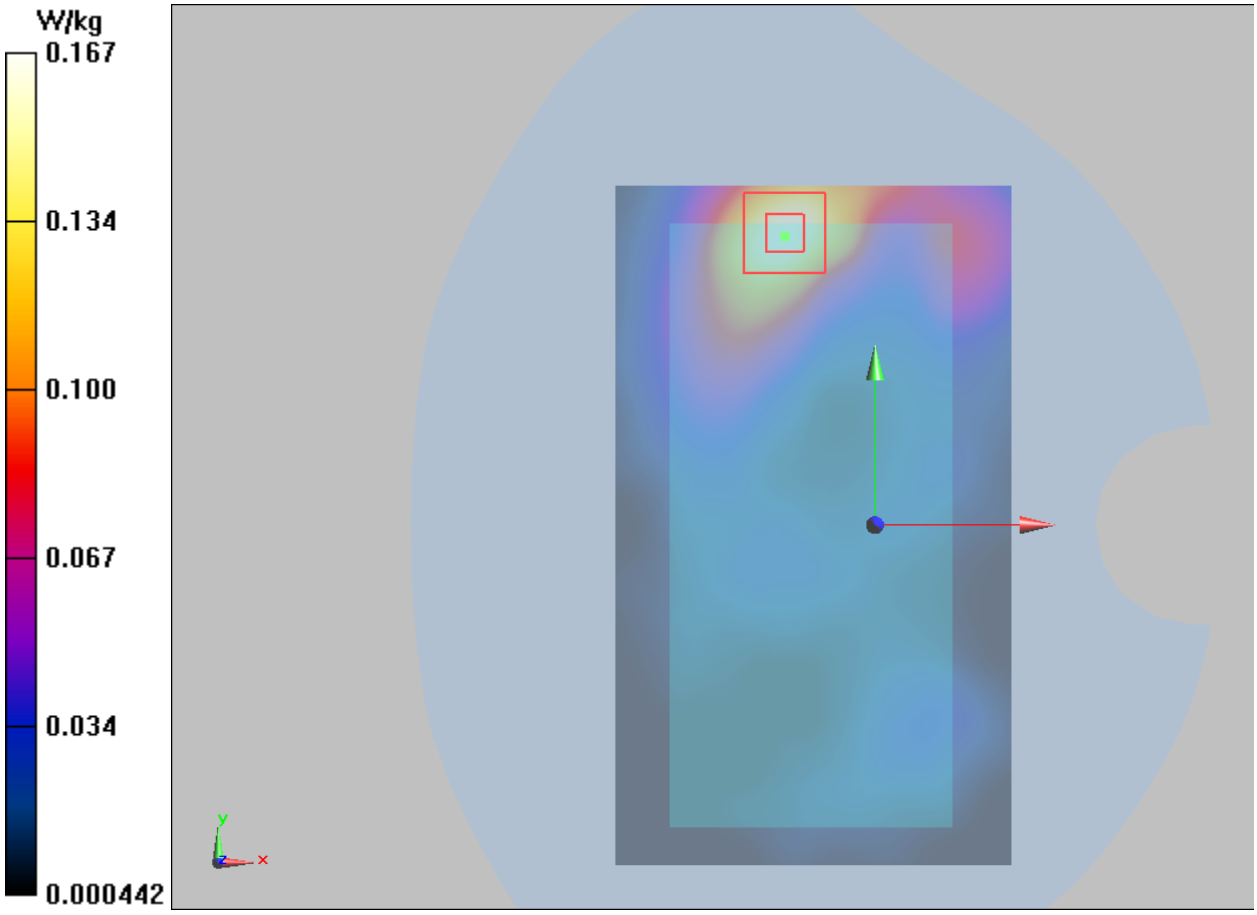
Front Side Middle/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.369 V/m; Power Drift = 0.090 dB

Peak SAR (extrapolated) = 0.276 W/kg

SAR(1 g) = 0.153 W/kg; SAR(10 g) = 0.085 W/kg

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



Plot 155 802.11b Top Edge Middle (Distance 10mm) (Receiver off) (Antenna 1)

Date: 7/27/2019

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

Medium parameters used: f = 2437 MHz; σ = 1.856 S/m; ε_r = 40.836; ρ = 1000 kg/m^3

Ambient Temperature:22.3 ℃ Liquid Temperature: 21.5℃

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 4mm (Mechanical Surface Detection)

Probe: EX3DV4 - SN3677; ConvF(7.57, 7.57, 7.57); Calibrated: 6/19/2019;

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 Middle/Area Scan (51x91x1): Interpolated grid: dx=10 mm, dy=10 mm

Maximum value of SAR (interpolated) = 0.647 W/kg

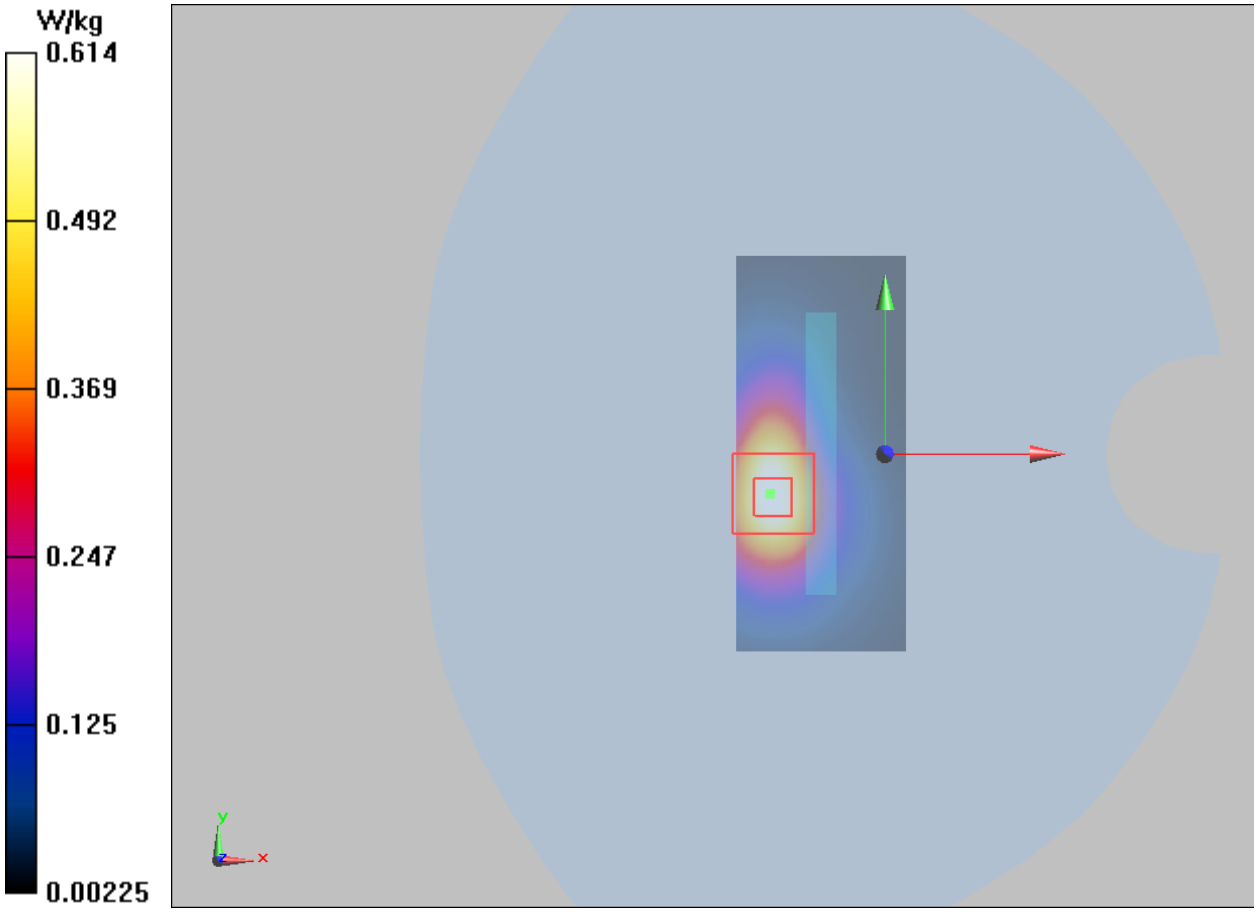
Top Edge Middle/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 10.44 V/m; Power Drift = 0.099 dB

Peak SAR (extrapolated) = 1.06 W/kg

SAR(1 g) = 0.554 W/kg; SAR(10 g) = 0.282 W/kg

Maximum value of SAR (measured) = 0.614 W/kg



Plot 156 802.11b Right Cheek Middle (Receiver on) (Antenna 2)

Date: 7/27/2019

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

Medium parameters used: f = 2437 MHz; σ = 1.856 S/m; ε_r = 40.836; ρ = 1000 kg/m^3

Ambient Temperature:22.3 ℃ Liquid Temperature: 21.5℃

Phantom section: Right Section

DASY5 Configuration:

Sensor-Surface: 4mm (Mechanical Surface Detection)

Probe: EX3DV4 - SN3677; ConvF(7.50, 7.50, 7.50); Calibrated: 6/19/2019;

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

Maximum value of SAR (interpolated) = 0.112 W/kg

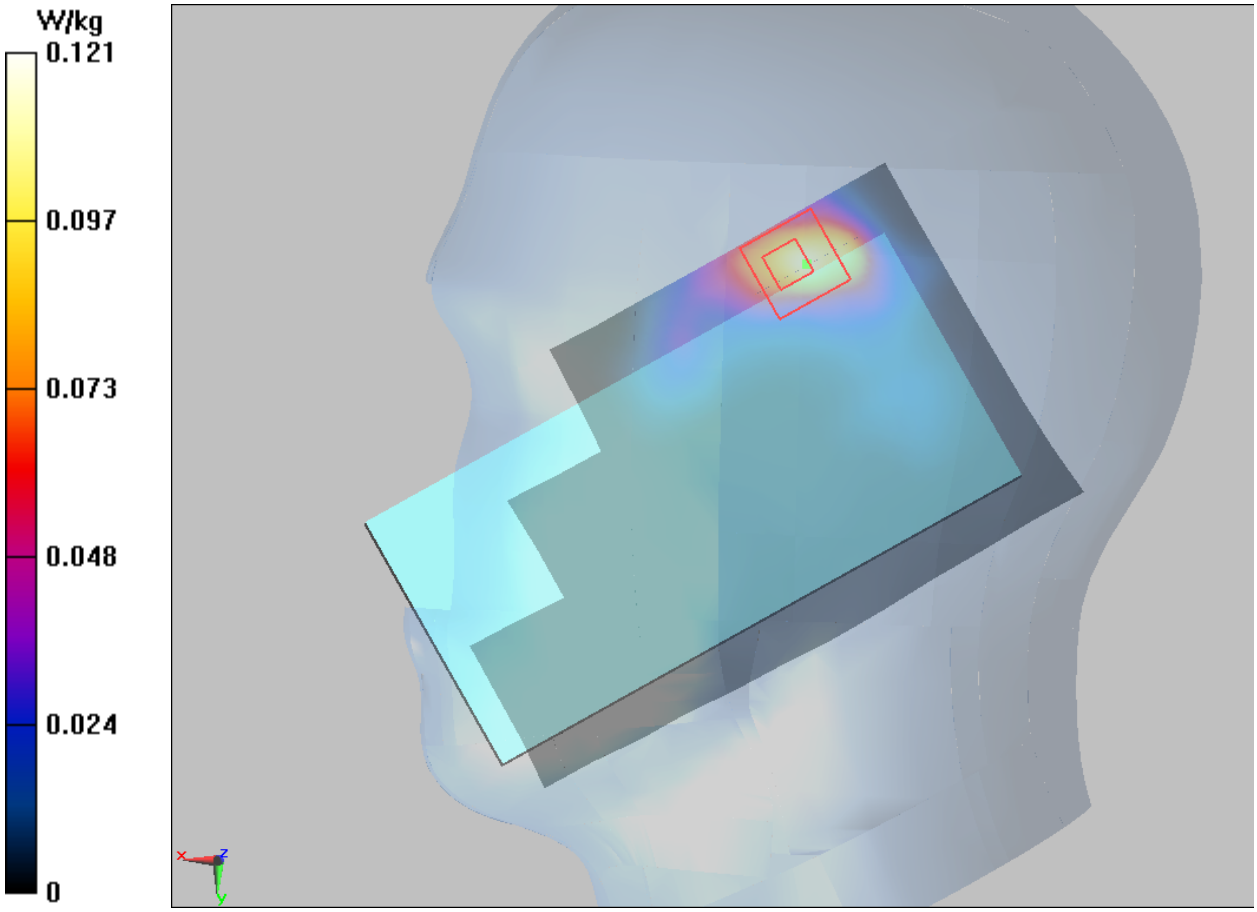
Right Cheek Middle/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 1.686 V/m; Power Drift = 0.024 dB

Peak SAR (extrapolated) = 0.248 W/kg

SAR(1 g) = 0.113 W/kg; SAR(10 g) = 0.050 W/kg

Maximum value of SAR (measured) = 0.121 W/kg



Plot 157 802.11b Right Cheek Middle (best acoustic position) (Antenna 2)

Date: 7/27/2019

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

Medium parameters used: f = 2437 MHz; σ = 1.856 S/m; ε_r = 40.836; ρ = 1000 kg/m^3

Ambient Temperature:22.3 ℃ Liquid Temperature: 21.5℃

Phantom section: Right Section

DASY5 Configuration:

Sensor-Surface: 4mm (Mechanical Surface Detection)

Probe: EX3DV4 - SN3677; ConvF(7.50, 7.50, 7.50); Calibrated: 6/19/2019;

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

Maximum value of SAR (interpolated) = 0.105 W/kg

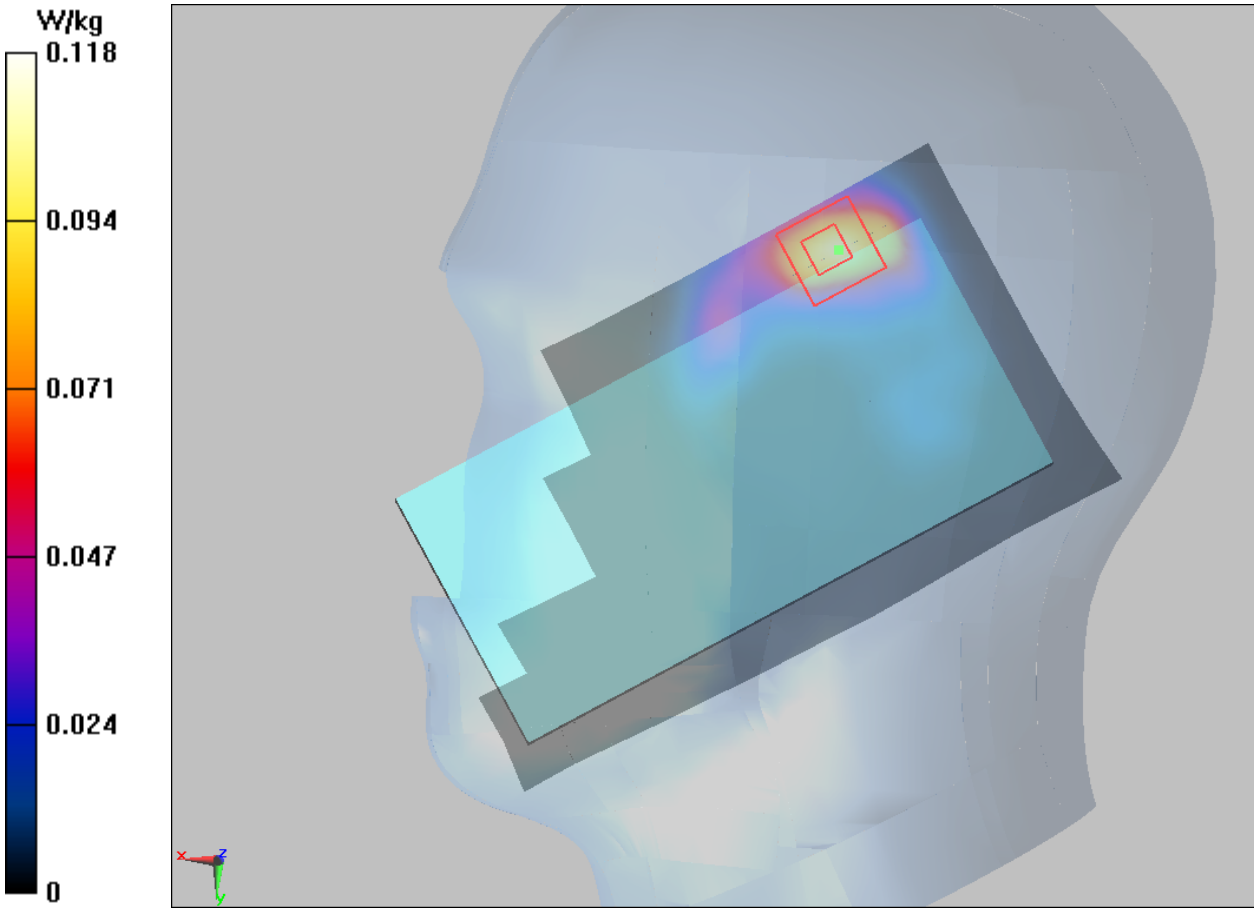
Right Cheek Middle/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 1.866 V/m; Power Drift = 0.056 dB

Peak SAR (extrapolated) = 0.234 W/kg

SAR(1 g) = 0.106 W/kg; SAR(10 g) = 0.047 W/kg

Maximum value of SAR (measured) = 0.118 W/kg



Plot 158 802.11b Back Side Middle (Distance 15mm) (Receiver off) (Antenna 2)

Date: 7/27/2019

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

Medium parameters used: f = 2437 MHz; σ = 1.856 S/m; ε_r = 40.836; ρ = 1000 kg/m^3

Ambient Temperature:22.3 ℃ Liquid Temperature: 21.5℃

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 4mm (Mechanical Surface Detection)

Probe: EX3DV4 - SN3677; ConvF(7.57, 7.57, 7.57); Calibrated: 6/19/2019;

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

Maximum value of SAR (interpolated) = 0.147 W/kg

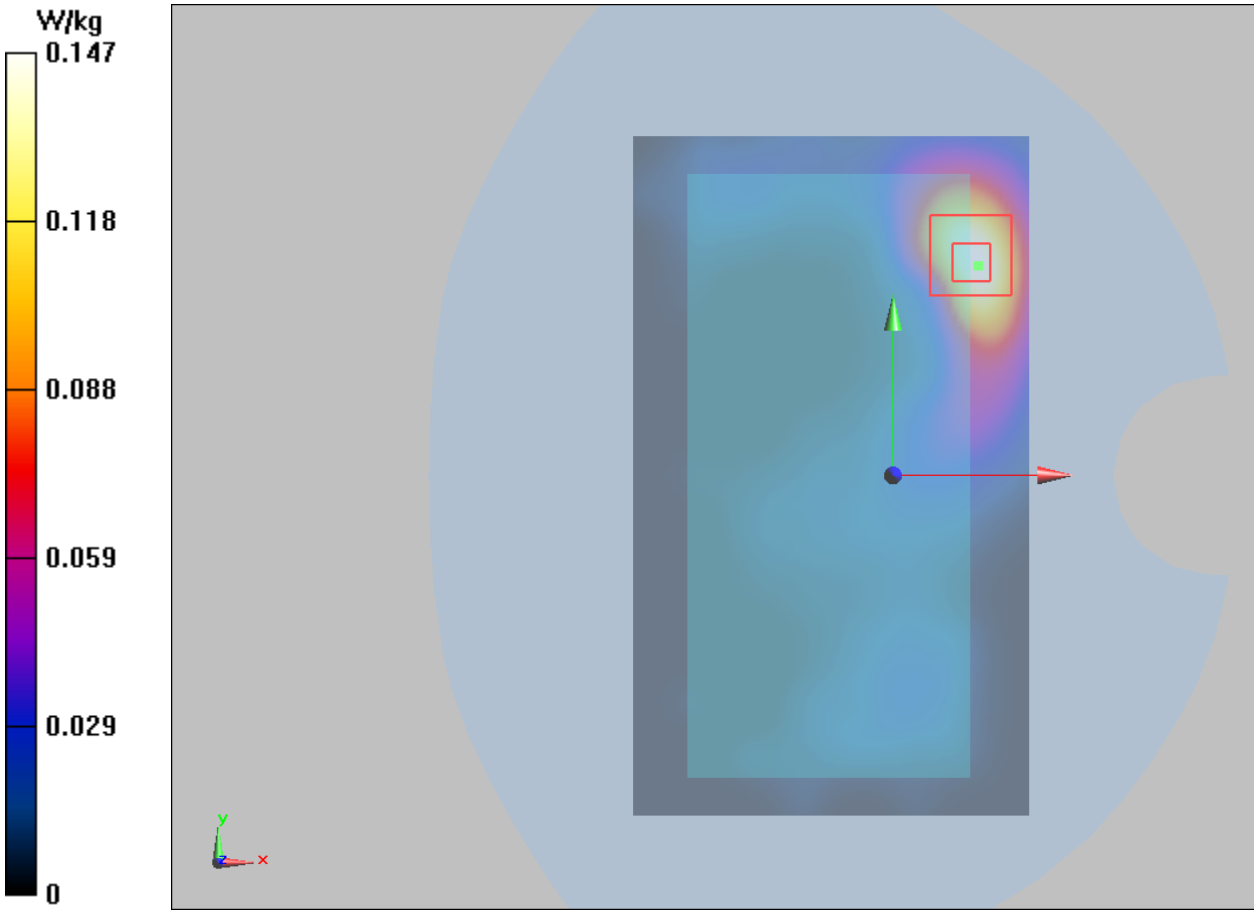
Back Side Middle/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.135 V/m; Power Drift = 0.025dB

Peak SAR (extrapolated) = 0.255 W/kg

SAR(1 g) = 0.134 W/kg; SAR(10 g) = 0.069 W/kg

Maximum value of SAR (measured) = 0.147 W/kg



Plot 159 802.11b Left Edge Middle (Distance 10mm) (Receiver off) (Antenna 2)

Date: 7/27/2019

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

Medium parameters used: f = 2437 MHz; σ = 1.856 S/m; ε_r = 40.836; ρ = 1000 kg/m^3

Ambient Temperature:22.3 ℃ Liquid Temperature: 21.5℃

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 4mm (Mechanical Surface Detection)

Probe: EX3DV4 - SN3677; ConvF(7.57, 7.57, 7.57); Calibrated: 6/19/2019;

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 Edge Middle/Area Scan (51x91x1): Interpolated grid: dx=10 mm, dy=10 mm

Maximum value of SAR (interpolated) = 0.399 W/kg

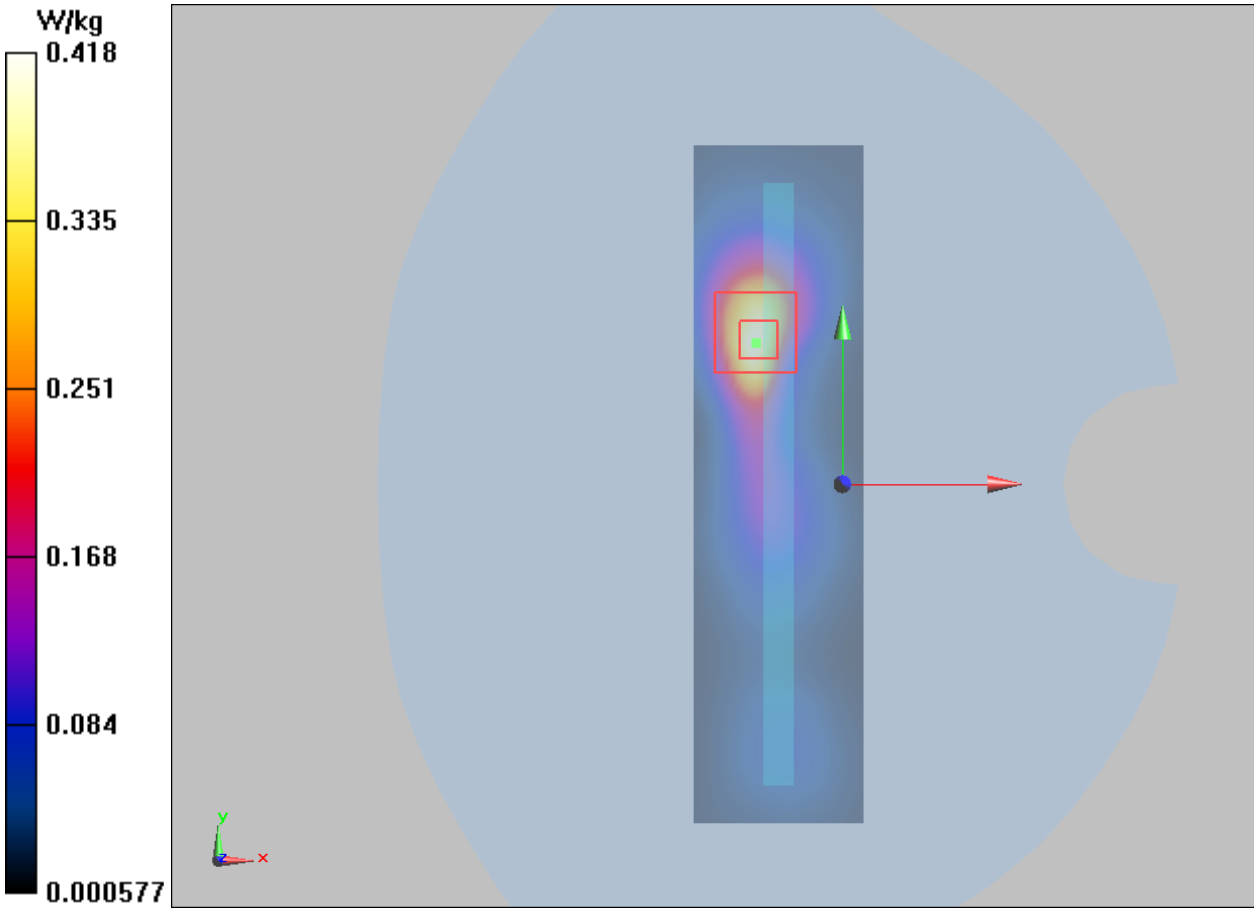
Left Edge Middle/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 8.750 V/m; Power Drift = 0.150 dB

Peak SAR (extrapolated) = 0.788 W/kg

SAR(1 g) = 0.363 W/kg; SAR(10 g) = 0.164 W/kg

Maximum value of SAR (measured) = 0.418 W/kg



Plot 160 802.11n HT40 U-NII-2A Back Side CH54 (Distance 15mm) (Receiver off) (Antenna 1)

Date: 8/9/2019

Communication System: UID 0, 802.11n(40M) (0); Frequency: 5270 MHz;Duty Cycle: 1:1

Medium parameters used: f = 5270 MHz; σ = 4.8 S/m; ε_r = 36.809; ρ = 1000 kg/m^3

Ambient Temperature:22.3 ℃ Liquid Temperature: 21.5℃

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 - SN3677; ConvF(4.93, 4.93, 4.93); Calibrated: 6/19/2019;

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 CH54 /Area Scan (111x201x1): Interpolated grid: dx=10 mm, dy=10 mm

Maximum value of SAR (interpolated) = 0.107 W/kg

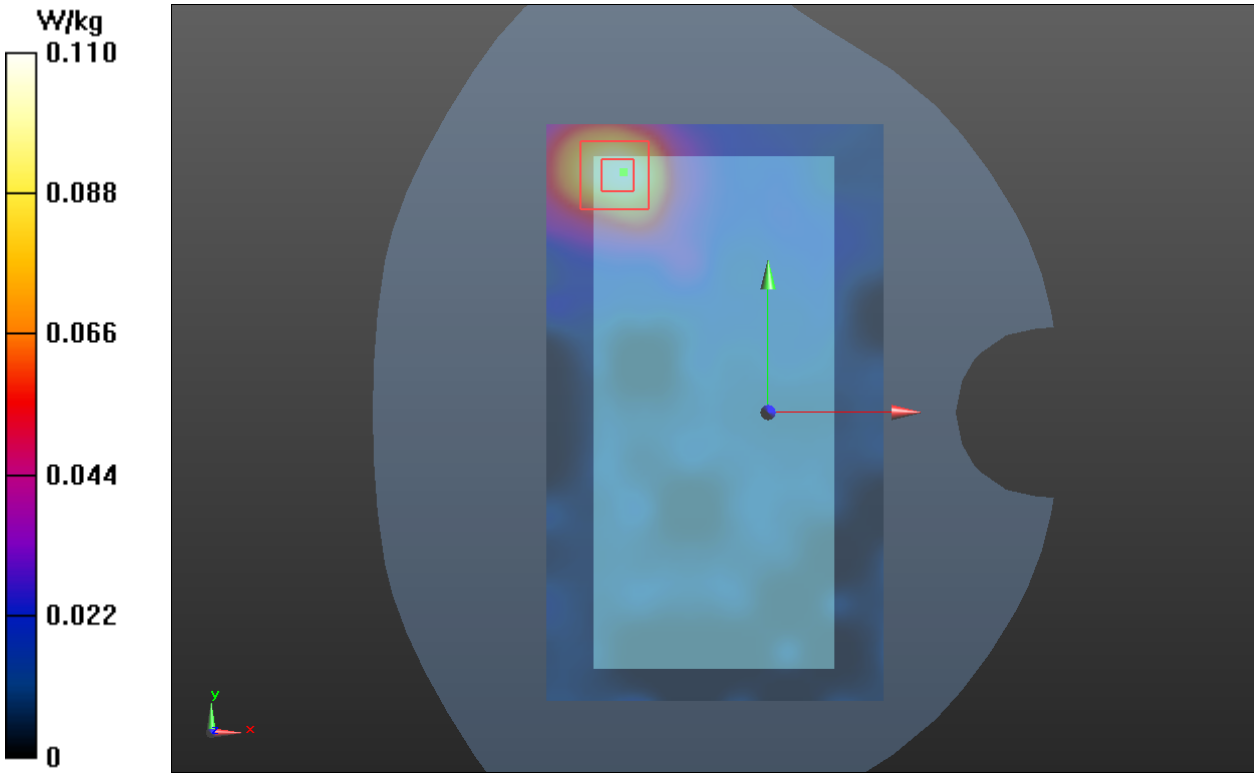
Back Side CH54 /Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 1.477 V/m; Power Drift = -0.069 dB

Peak SAR (extrapolated) = 0.311 W/kg

SAR(1 g) = 0.102 W/kg; SAR(10 g) = 0.042 W/kg

Maximum value of SAR (measured) = 0.110 W/kg

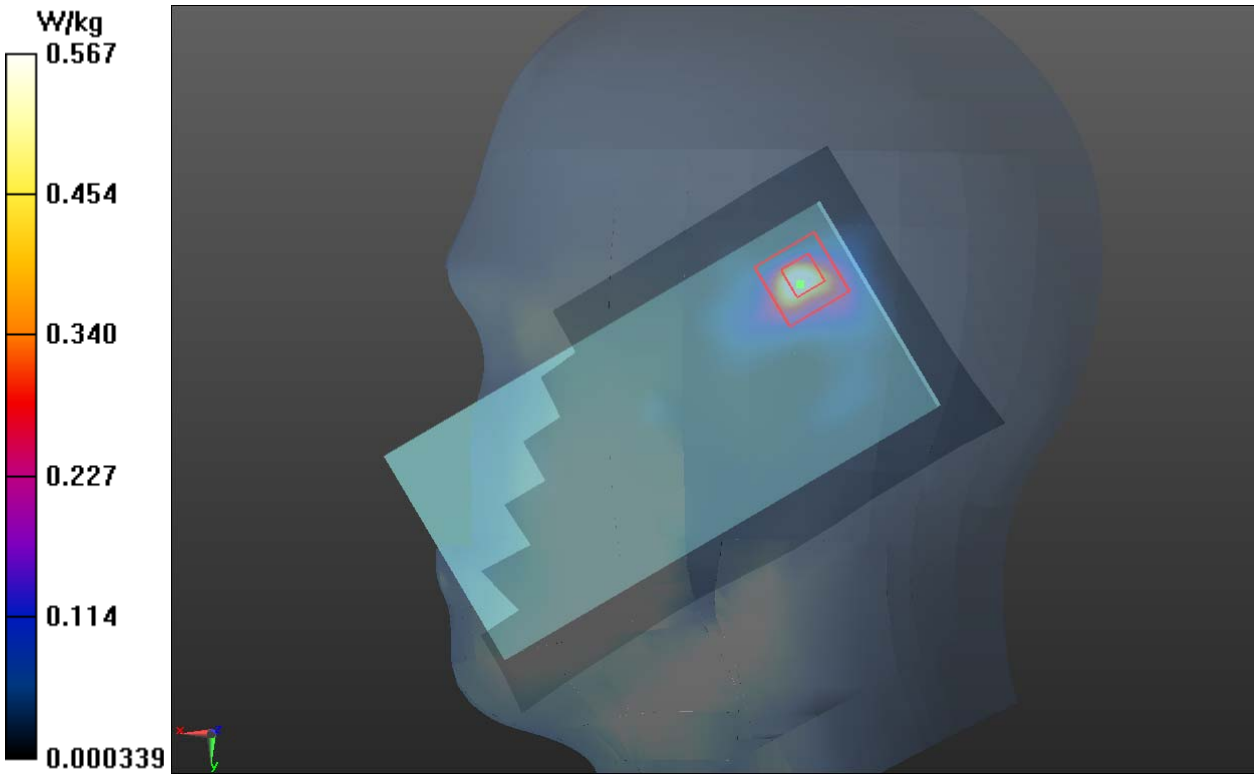


Plot 161 802.11n HT40 U-NII-2A Right Tilt CH54 (Receiver on) (Antenna 2)

Date: 8/7/2019
Communication System: UID 0, 802.11n(40M) (0); Frequency: 5270 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5270 MHz; σ = 4.8 S/m; ε_r = 36.809; ρ = 1000 kg/m^3
Ambient Temperature:22.3 ℃ Liquid Temperature: 21.5℃
Phantom section: Right Section
DASY5 Configuration:
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Probe: EX3DV4 - SN3677; ConvF(5.56, 5.56, 5.56); Calibrated: 6/19/2019;
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 CH54 /Area Scan (111x201x1): Interpolated grid: dx=10 mm, dy=10 mm
Maximum value of SAR (interpolated) = 0.732 W/kg

Right Tilt CH54 /Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 3.591 V/m; Power Drift = 0.085 dB
Peak SAR (extrapolated) = 1.37 W/kg
SAR(1 g) = 0.454 W/kg; SAR(10 g) = 0.147 W/kg
Maximum value of SAR (measured) = 0.567 W/kg



Plot 162 802.11n HT40 U-NII-2A Right Tilt CH54 (Receiver on) (best acoustic position) (Antenna 2)

Date: 8/7/2019

Communication System: UID 0, 802.11n(40M) (0); Frequency: 5270 MHz;Duty Cycle: 1:1

Medium parameters used: f = 5270 MHz; σ = 4.8 S/m; ε_r = 36.809; ρ = 1000 kg/m^3

Ambient Temperature:22.3 ℃ Liquid Temperature: 21.5℃

Phantom section: Right Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 - SN3677; ConvF(5.56, 5.56, 5.56); Calibrated: 6/19/2019;

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 CH54 /Area Scan (111x201x1): Interpolated grid: dx=10 mm, dy=10 mm

Maximum value of SAR (interpolated) = 0.457 W/kg

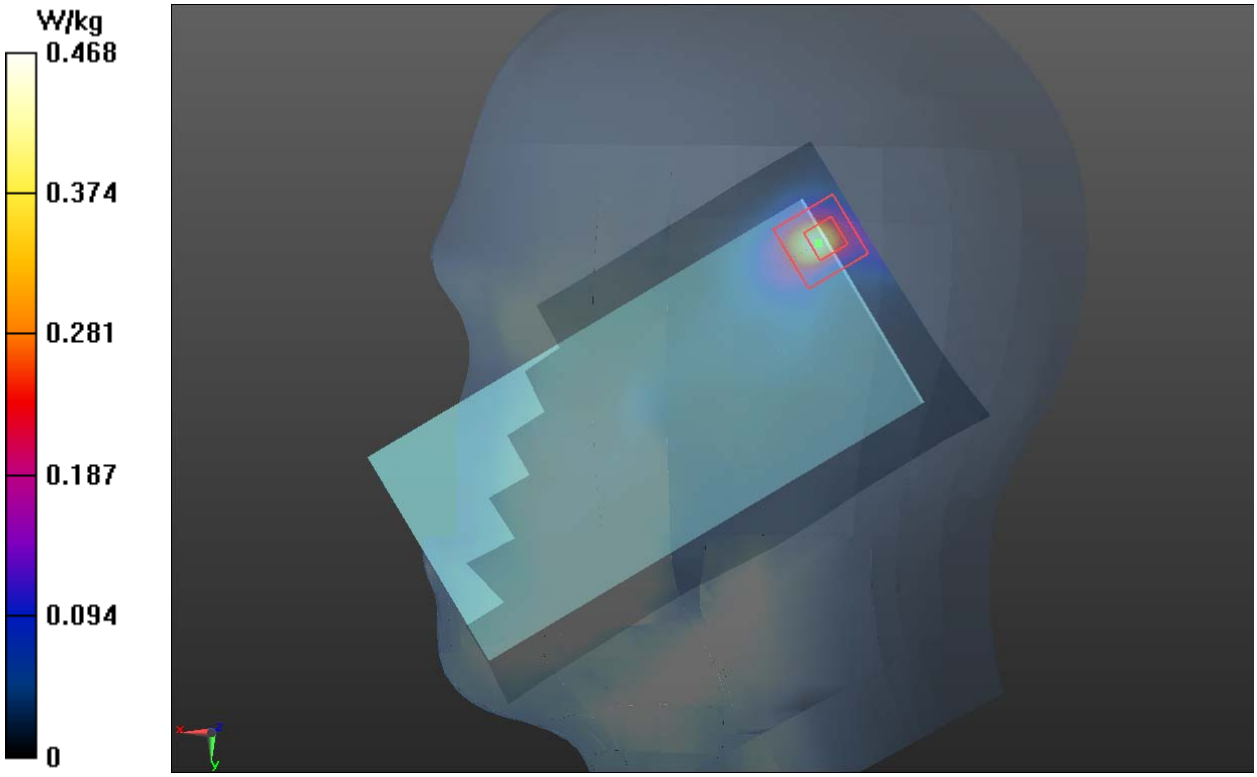
Right Tilt CH54 /Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 2.659 V/m; Power Drift = -0.156 dB

Peak SAR (extrapolated) = 1.24 W/kg

SAR(1 g) = 0.404 W/kg; SAR(10 g) = 0.136 W/kg

Maximum value of SAR (measured) = 0.468 W/kg



Plot 163 802.11ac VHT80 U-NII-2C Left Tilt CH122 (Receiver on) (Antenna 1)

Date: 8/8/2019

Communication System: UID 0, 802.11ac (0); Frequency: 5610 MHz;Duty Cycle: 1:1

Medium parameters used: f = 5610 MHz; σ = 5.32 S/m; ε_r = 35.67; ρ = 1000 kg/m^3

Ambient Temperature:22.3 ℃ Liquid Temperature: 21.5℃

Phantom section: Left Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 - SN3677; ConvF(4.90, 4.90, 4.90); Calibrated: 6/19/2019;

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 CH122 /Area Scan (111x201x1): Interpolated grid: dx=10 mm, dy=10 mm

Maximum value of SAR (interpolated) = 0.523 W/kg

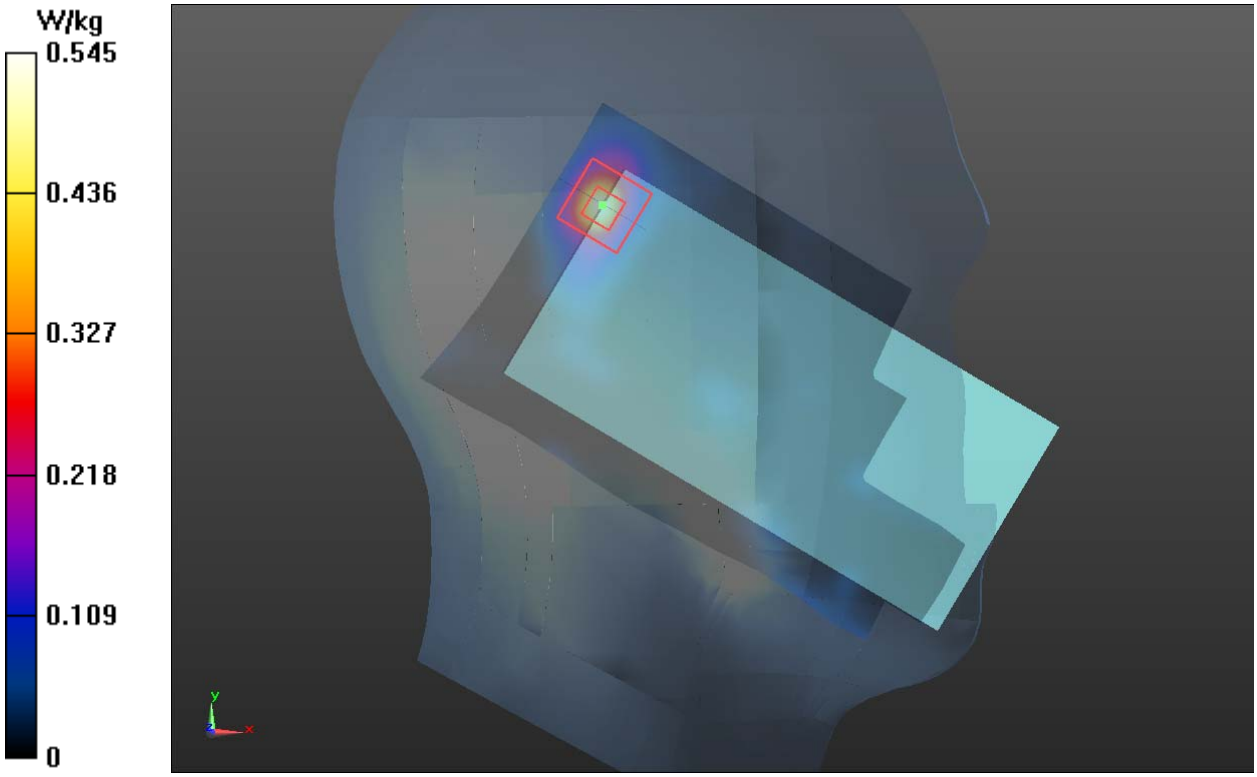
Left Tilt CH122 /Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 0.3360 V/m; Power Drift = 0.093 dB

Peak SAR (extrapolated) = 1.22 W/kg

SAR(1 g) = 0.382 W/kg; SAR(10 g) = 0.123 W/kg

Maximum value of SAR (measured) = 0.545 W/kg



Plot 164 802.11ac VHT80 U-NII-2C Left Tilt CH122 (Receiver on) (best acoustic position) (Antenna 1)

Date: 8/8/2019

Communication System: UID 0, 802.11ac (0); Frequency: 5610 MHz;Duty Cycle: 1:1

Medium parameters used: f = 5610 MHz; σ = 5.32 S/m; ε_r = 35.67; ρ = 1000 kg/m^3

Ambient Temperature:22.3 ℃ Liquid Temperature: 21.5℃

Phantom section: Left Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 - SN3677; ConvF(4.24, 4.24, 4.24); Calibrated: 6/19/2019;

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 CH122 /Area Scan (111x201x1): Interpolated grid: dx=10 mm, dy=10 mm

Maximum value of SAR (interpolated) = 0.673 W/kg

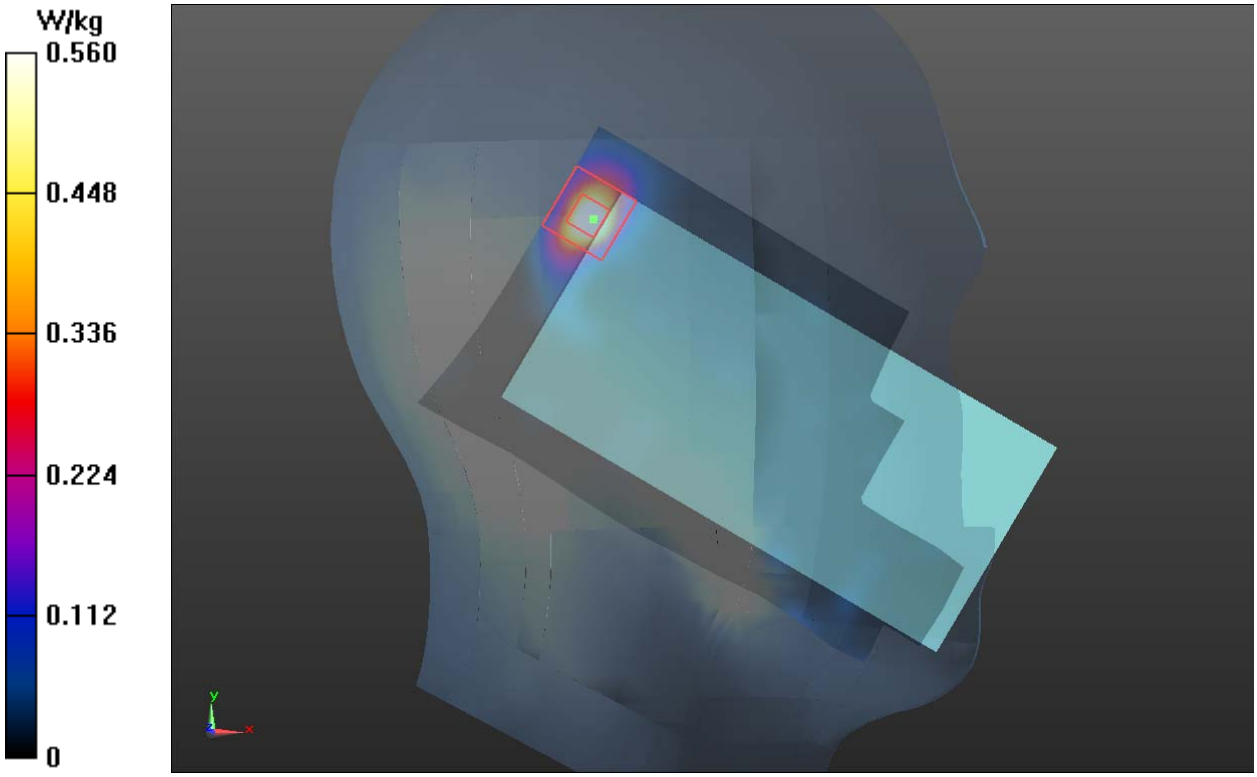
Left Tilt CH122 /Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 1.089 V/m; Power Drift = -0.020 dB

Peak SAR (extrapolated) = 1.43 W/kg

SAR(1 g) = 0.446 W/kg; SAR(10 g) = 0.141 W/kg

Maximum value of SAR (measured) = 0.560 W/kg

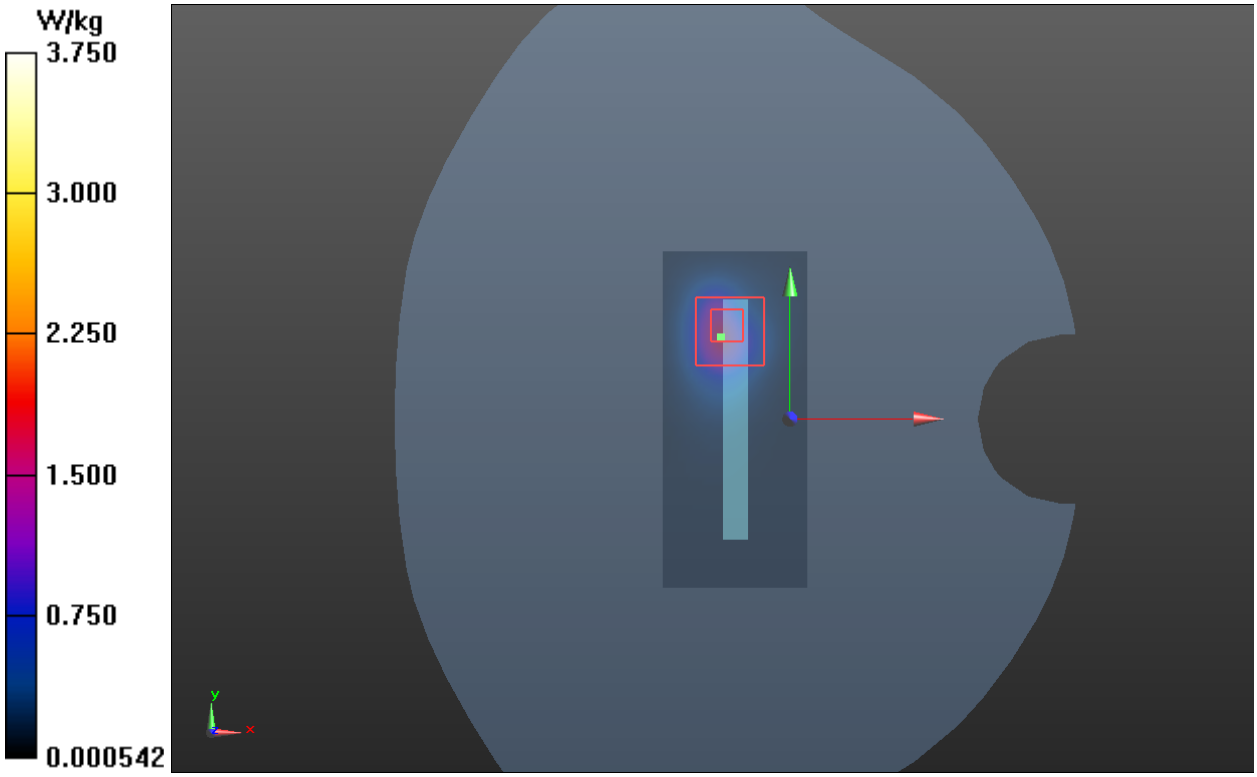


Plot 165 802.11ac VHT80 U-NII-2C Top Edge CH122 (Distance 0mm) (Receiver off) (Antenna 1)

Date: 8/11/2019
Communication System: UID 0, 802.11ac (0); Frequency: 5610 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5610 MHz; σ = 5.32 S/m; ε_r = 35.67; ρ = 1000 kg/m^3
Ambient Temperature:22.3 ℃ Liquid Temperature: 21.5℃
Phantom section: Flat Section
DASY5 Configuration:
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Probe: EX3DV4 - SN3677; ConvF(4.24, 4.24, 4.24); Calibrated: 6/19/2019;
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 CH122 /Area Scan (51x91x1): Interpolated grid: dx=10 mm, dy=10 mm
Maximum value of SAR (interpolated) = 1.76 W/kg

Top Edge CH122 /Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.87 V/m; Power Drift = 0.022 dB
Peak SAR (extrapolated) = 9.16 W/kg
SAR(1 g) = 2.92 W/kg; SAR(10 g) = 0.818 W/kg
Maximum value of SAR (measured) = 3.75 W/kg

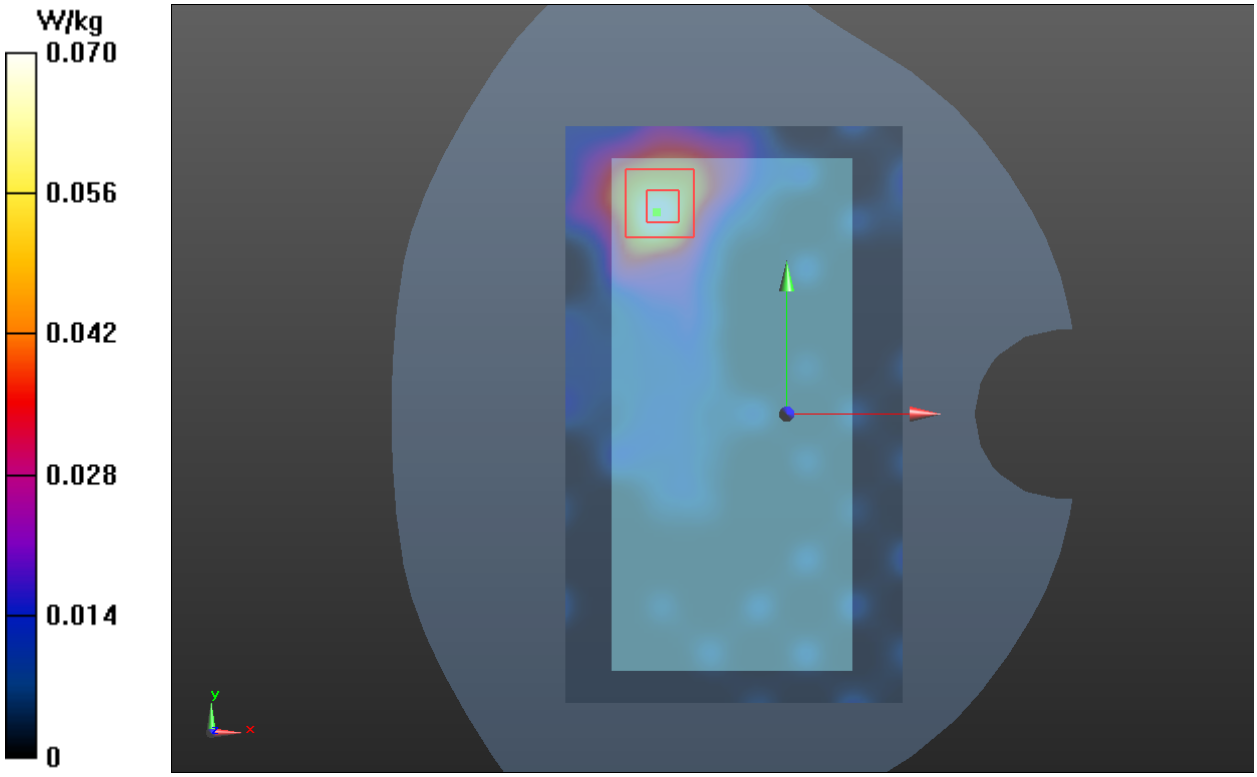


Plot 166 802.11ac VHT80 U-NII-2C Front Side CH122 (Distance 15mm) (Receiver off) (Antenna 2)

Date: 8/11/2019
Communication System: UID 0, 802.11ac (0); Frequency: 5610 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5610 MHz; σ = 5.32 S/m; ε_r = 35.67; ρ = 1000 kg/m^3
Ambient Temperature:22.3 ℃ Liquid Temperature: 21.5℃
Phantom section: Flat Section
DASY5 Configuration:
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Probe: EX3DV4 - SN3677; ConvF(4.24, 4.24, 4.24); Calibrated: 6/19/2019;
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 CH122 /Area Scan (111x201x1): Interpolated grid: dx=10 mm, dy=10 mm
Maximum value of SAR (interpolated) = 0.0753 W/kg

Front Side CH122 /Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 0.5830 V/m; Power Drift = 0.073 dB
Peak SAR (extrapolated) = 0.238 W/kg
SAR(1 g) = 0.067 W/kg; SAR(10 g) = 0.027 W/kg
Maximum value of SAR (measured) = 0.0700 W/kg

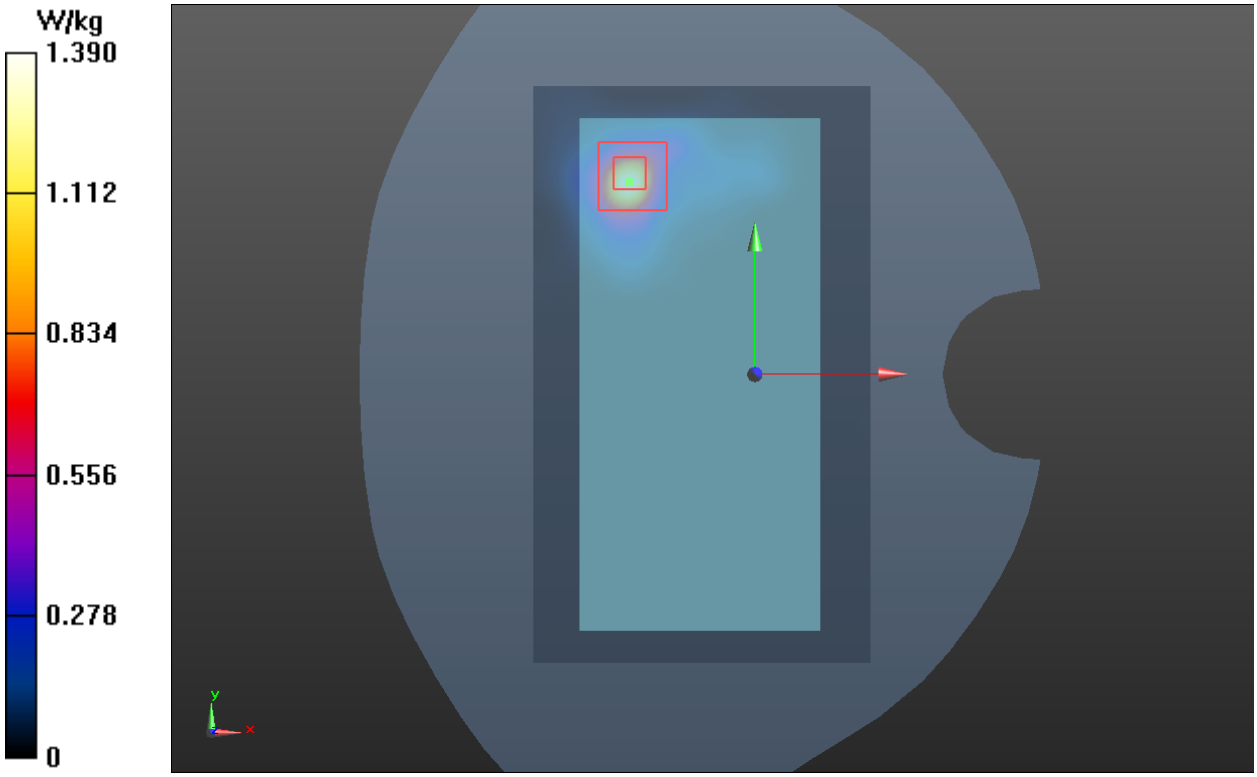


Plot 167 802.11ac VHT80 U-NII-2C Front Side CH122 (Distance 0mm) (Receiver off) (Antenna 1)

Date: 8/11/2019
Communication System: UID 0, 802.11ac (0); Frequency: 5610 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5610 MHz; σ = 5.32 S/m; ε_r = 35.67; ρ = 1000 kg/m^3
Ambient Temperature:22.3 ℃ Liquid Temperature: 21.5℃
Phantom section: Flat Section
DASY5 Configuration:
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Probe: EX3DV4 - SN3677; ConvF(4.24, 4.24, 4.24); Calibrated: 6/19/2019;
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 CH122 /Area Scan (111x201x1): Interpolated grid: dx=10 mm, dy=10 mm
Maximum value of SAR (interpolated) = 1.38 W/kg

Front Side CH122 /Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 0 V/m; Power Drift = 0.1 dB
Peak SAR (extrapolated) = 3.88 W/kg
SAR(1 g) = 1.27 W/kg; SAR(10 g) = 0.447 W/kg
Maximum value of SAR (measured) = 1.39 W/kg



Plot 168 802.11ac VHT80 U-NII-3 Back Side CH155 (Distance 10mm) (Receiver off) (Antenna 1)

Date: 8/10/2019

Communication System: UID 0, 802.11ac (0); Frequency: 5775 MHz;Duty Cycle: 1:1

Medium parameters used: f = 5775 MHz; σ = 5.474 S/m; ε_r = 35.329; ρ = 1000 kg/m^3

Ambient Temperature:22.3 ℃ Liquid Temperature: 21.5℃

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 - SN3677; ConvF(4.35, 4.35, 4.35); Calibrated: 6/19/2019;

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 CH155 /Area Scan (111x201x1): Interpolated grid: dx=10 mm, dy=10 mm

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

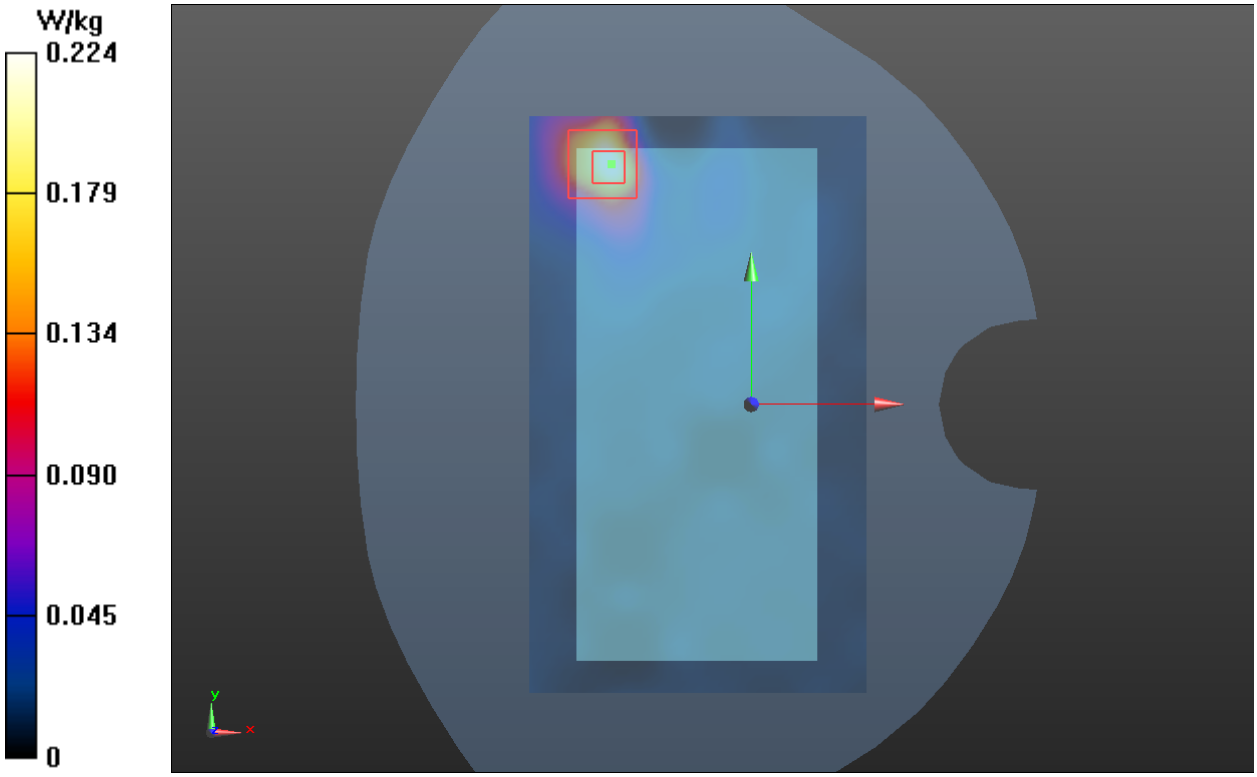
Back Side CH155 /Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 1.203 V/m; Power Drift = 0.168 dB

Peak SAR (extrapolated) = 0.572 W/kg

SAR(1 g) = 0.191 W/kg; SAR(10 g) = 0.073 W/kg

Maximum value of SAR (measured) = 0.224 W/kg



Plot 169 802.11ac VHT80 U-NII-3 Back Side CH155 (Distance 10mm) (Receiver off) (Antenna 2)

Date: 8/10/2019

Communication System: UID 0, 802.11ac (0); Frequency: 5775 MHz;Duty Cycle: 1:1

Medium parameters used: f = 5775 MHz; σ = 5.474 S/m; ε_r = 35.329; ρ = 1000 kg/m^3

Ambient Temperature:22.3 ℃ Liquid Temperature: 21.5℃

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 - SN3677; ConvF(4.35, 4.35, 4.35); Calibrated: 6/19/2019;

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 CH155 /Area Scan(111x201x1): Interpolated grid: dx=10 mm, dy=10 mm

Maximum value of SAR (interpolated) = 0.152 W/kg

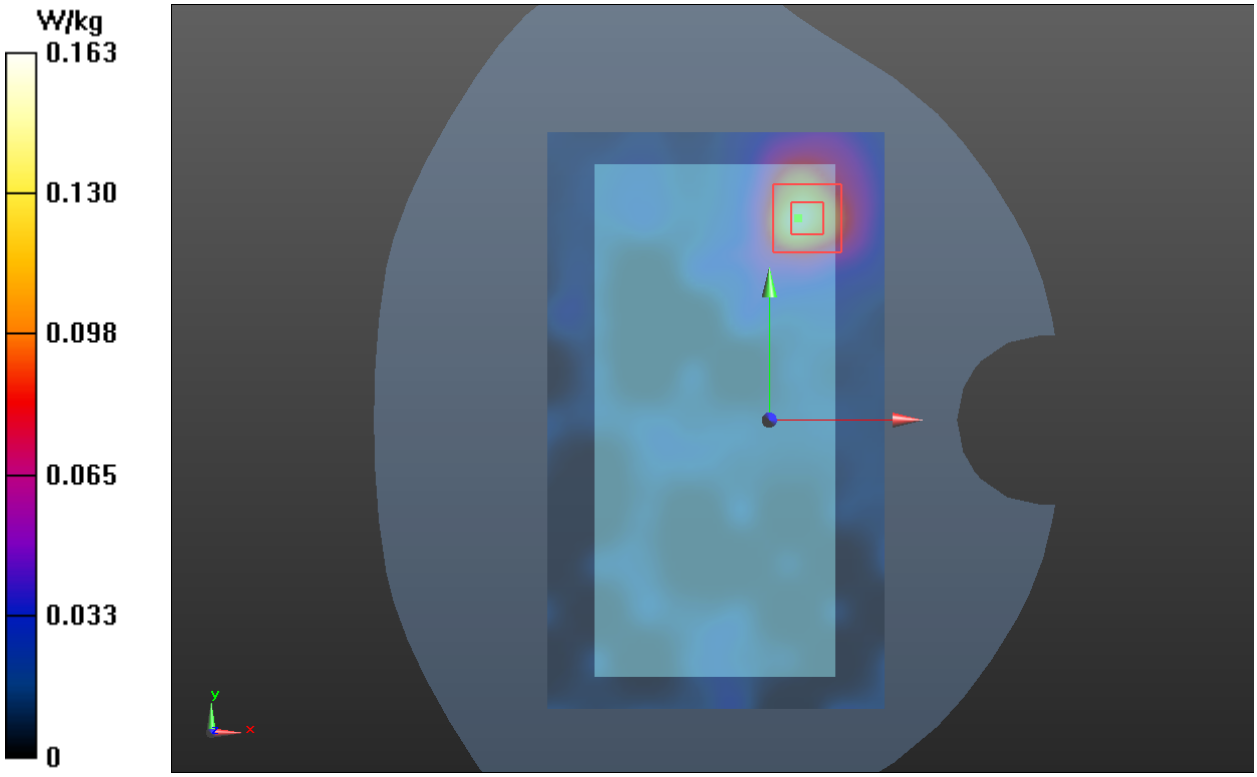
Back Side CH155 /Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 1.378 V/m; Power Drift = -0.023 dB

Peak SAR (extrapolated) = 0.401 W/kg

SAR(1 g) = 0.143 W/kg; SAR(10 g) = 0.055 W/kg

Maximum value of SAR (measured) = 0.163 W/kg

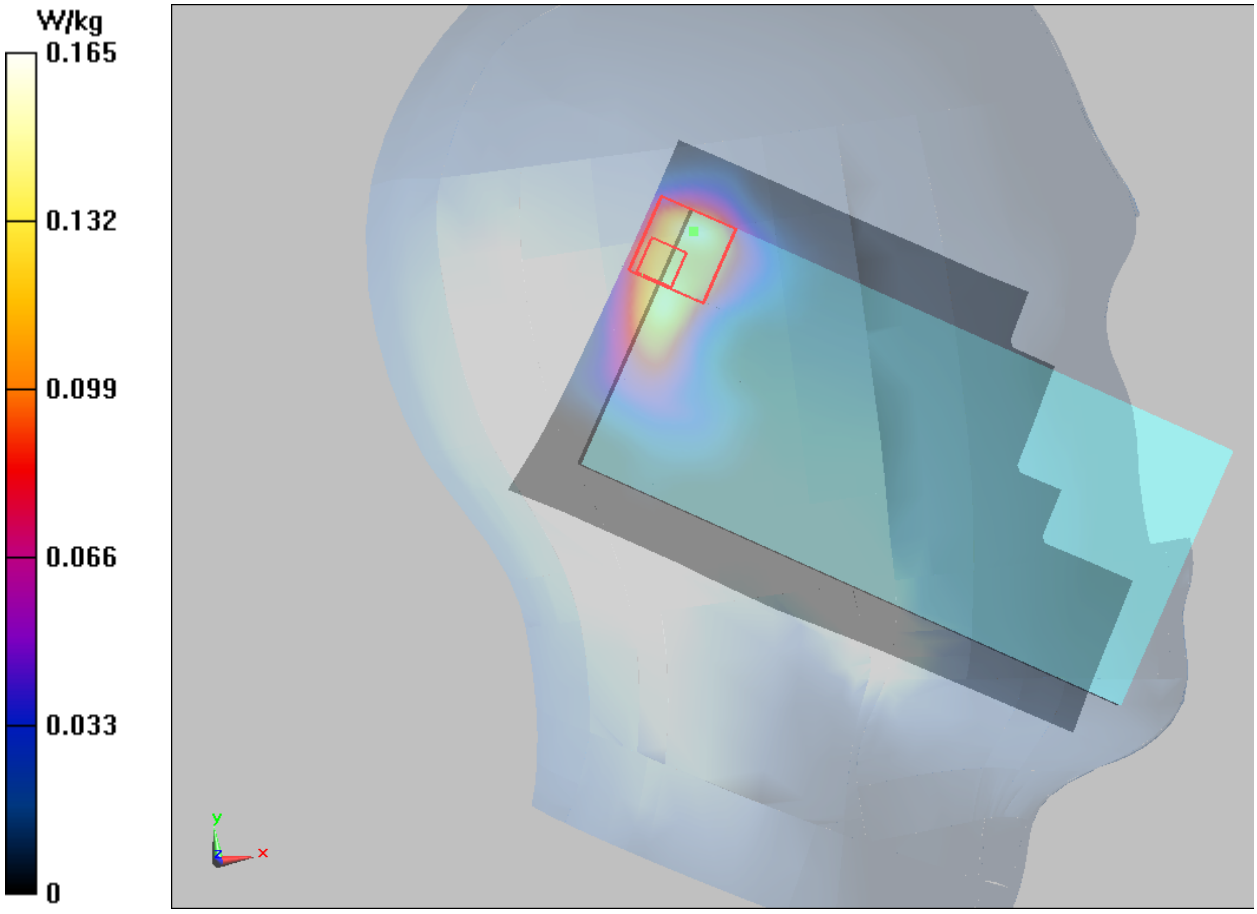


Plot 170 Bluetooth Left Tilt Middle (Receiver on) (normal)

Date: 7/27/2019
Communication System: UID 0, BT (0); Frequency: 2441 MHz;Duty Cycle: 1:1.307
Medium parameters used: f = 2441 MHz; σ = 1.861 S/m; ε_r = 40.871; ρ = 1000 kg/m^3
Ambient Temperature:22.3 ℃ Liquid Temperature: 21.5℃
Phantom section: Left Section
DASY5 Configuration:
Sensor-Surface: 4mm (Mechanical Surface Detection)
Probe: EX3DV4 - SN3677; ConvF(7.50, 7.50, 7.50); Calibrated: 6/19/2019;
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 (91x151x1): Interpolated grid: dx=12 mm, dy=12 mm
Maximum value of SAR (interpolated) = 0.152 W/kg

Left Tilt Middle/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 2.300 V/m; Power Drift = 0.197 dB
Peak SAR (extrapolated) = 0.360 W/kg
SAR(1 g) = 0.154 W/kg; SAR(10 g) = 0.069 W/kg
Maximum value of SAR (measured) = 0.165 W/kg



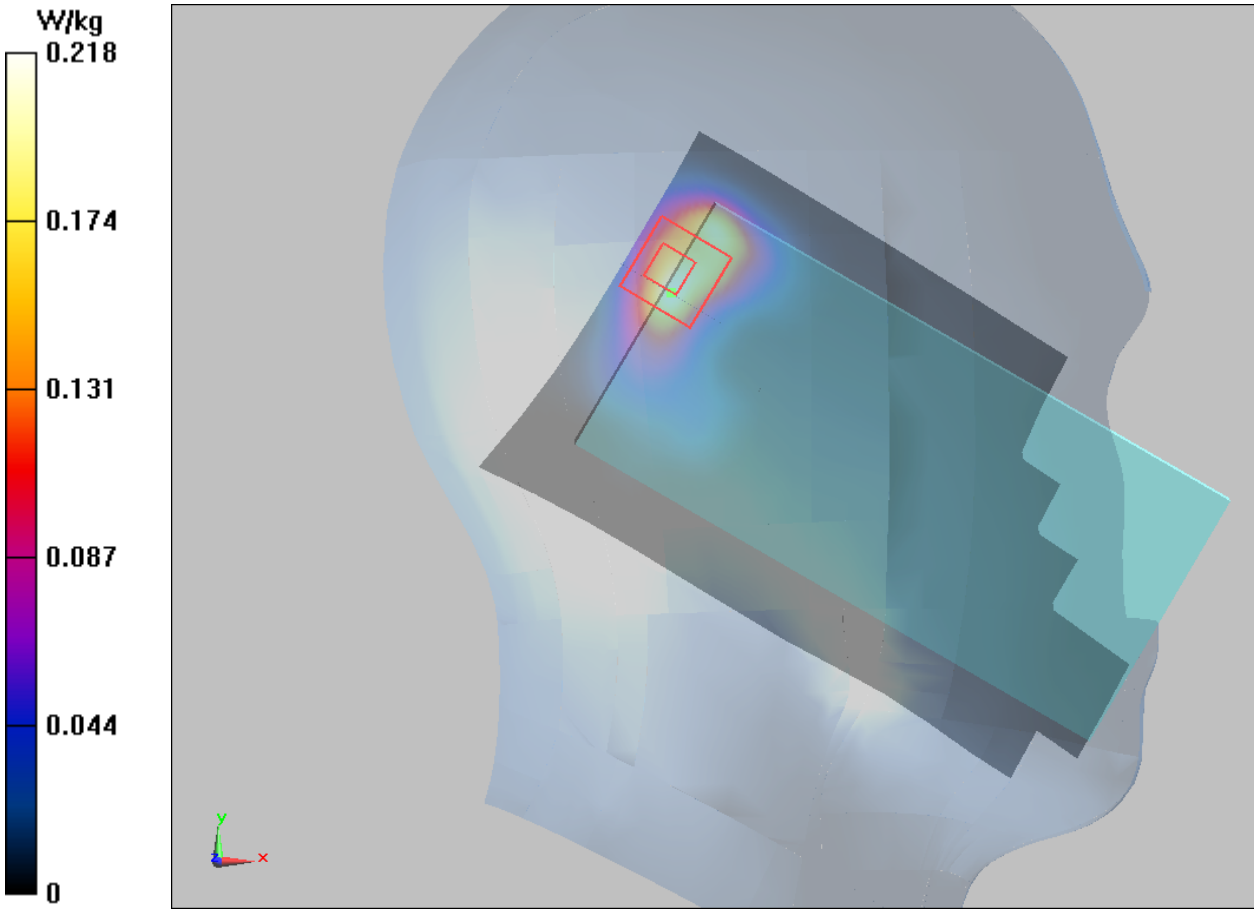
Plot 171 Bluetooth Left Tilt Middle (Receiver on) (best acoustic position) (normal)

Date: 7/27/2019
Communication System: UID 0, BT (0); Frequency: 2441 MHz;Duty Cycle: 1:1.307
Medium parameters used: f = 2441 MHz; σ = 1.861 S/m; ε_r = 40.871; ρ = 1000 kg/m^3
Ambient Temperature:22.3 ℃ Liquid Temperature: 21.5℃
Phantom section: Left Section
DASY5 Configuration:
Sensor-Surface: 4mm (Mechanical Surface Detection)
Probe: EX3DV4 - SN3677; ConvF(7.50, 7.50, 7.50); Calibrated: 6/19/2019;
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 (91x151x1): Interpolated grid: dx=12 mm, dy=12 mm
Maximum value of SAR (interpolated) = 0.213 W/kg

Left Tilt Middle/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 2.100 V/m; Power Drift = -0.062 dB
Peak SAR (extrapolated) = 0.551 W/kg
SAR(1 g) = 0.198 W/kg; SAR(10 g) = 0.087 W/kg

Maximum value of SAR (measured) = 0.218 W/kg



Plot 172 Bluetooth Top Edge Low (Distance 10mm) (high)

Date: 7/27/2019

Communication System: UID 0, BT (0); Frequency: 2402 MHz;Duty Cycle: 1:1.307

Medium parameters used: f = 2402 MHz; σ = 1.824 S/m; ε_r = 41.007; ρ = 1000 kg/m^3

Ambient Temperature:22.3 ℃ Liquid Temperature: 21.5℃

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 4mm (Mechanical Surface Detection)

Probe: EX3DV4 - SN3677; ConvF(7.57, 7.57, 7.57); Calibrated: 6/19/2019;

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 (51x91x1): Interpolated grid: dx=10 mm, dy=10 mm

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

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

Reference Value = 11.15 V/m; Power Drift = 0.160 dB

Peak SAR (extrapolated) = 0.425 W/kg

SAR(1 g) = 0.229 W/kg; SAR(10 g) = 0.117 W/kg

Maximum value of SAR (measured) = 0.255 W/kg