

LTE Band 38 Body

Date: 2018-8-23

Electronics: DAE4 Sn786

Medium: Body 2600 MHz

Medium parameters used (interpolated): $f = 2595$ MHz; $\sigma = 2.120$ S/m; $\epsilon_r = 52.857$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.0°C Liquid Temperature: 21.5°C

Communication System: UID 0, LTE_TDD (0) Frequency: 2595 MHz Duty Cycle: 1:1.58

Probe: EX3DV4 – SN3633 ConvF (7.31, 7.31, 7.31);

Front Side Middle 1RB_Low/Area Scan (61x101x1): Interpolated grid: dx=1.000 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.727 W/kg

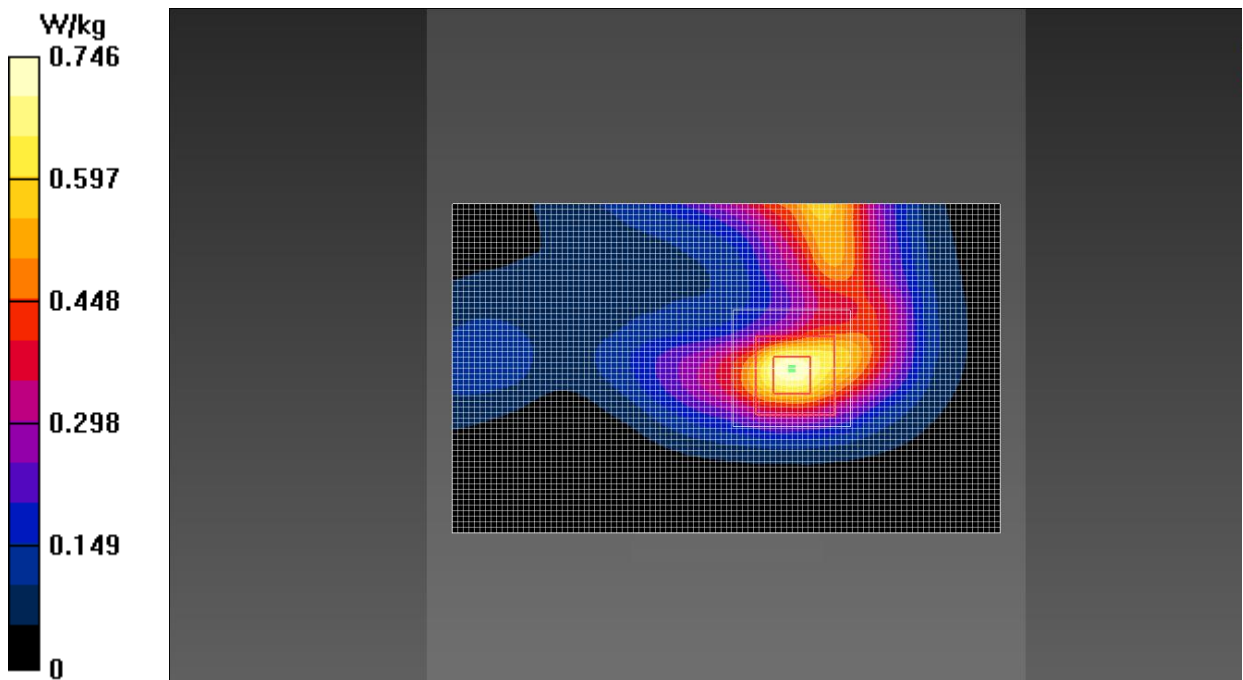
Front Side Middle 1RB_Low/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.477 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.02 W/kg

SAR(1 g) = 0.502 W/kg; SAR(10 g) = 0.236 W/kg

Maximum value of SAR (measured) = 0.746 W/kg



LTE Band 66 Head

Date: 2018-8-25

Electronics: DAE4 Sn786

Medium: Head 1800 MHz

Medium parameters used: $f = 1745$ MHz; $\sigma = 1.374$ S/m; $\epsilon_r = 39.553$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.0°C Liquid Temperature: 21.5°C

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

Probe: EX3DV4 – SN3633 ConvF (8.12, 8.12, 8.12);

Left Cheek Middle 1RB_Low/Area Scan (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

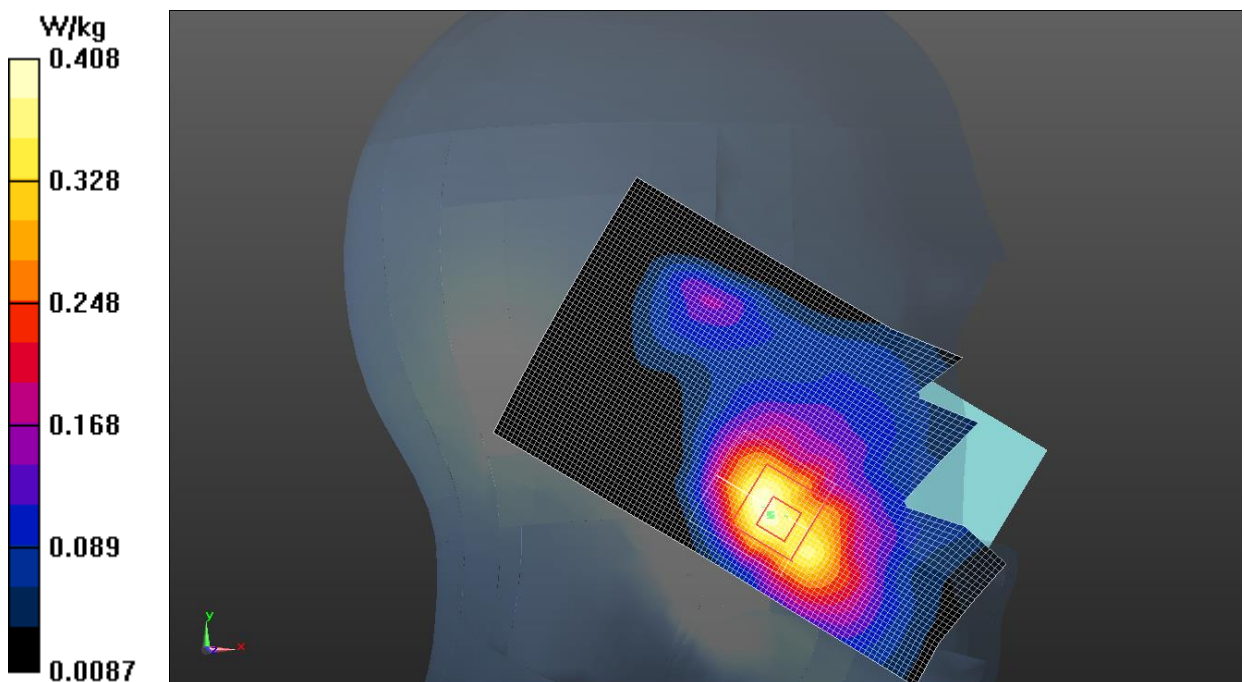
Left Cheek Middle 1RB_Low/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.153 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.521 W/kg

SAR(1 g) = 0.329 W/kg; SAR(10 g) = 0.202 W/kg

Maximum value of SAR (measured) = 0.408 W/kg



LTE Band 66 Body

Date: 2018-8-26

Electronics: DAE4 Sn786

Medium: Body 1800 MHz

Medium parameters used: $f = 1745$ MHz; $\sigma = 1.452$ S/m; $\epsilon_r = 53.894$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.0°C Liquid Temperature: 21.5°C

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

Probe: EX3DV4 – SN3633 ConvF (8.05, 8.05, 8.05);

Front Side Middle 1RB_Low/Area Scan (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.392 W/kg

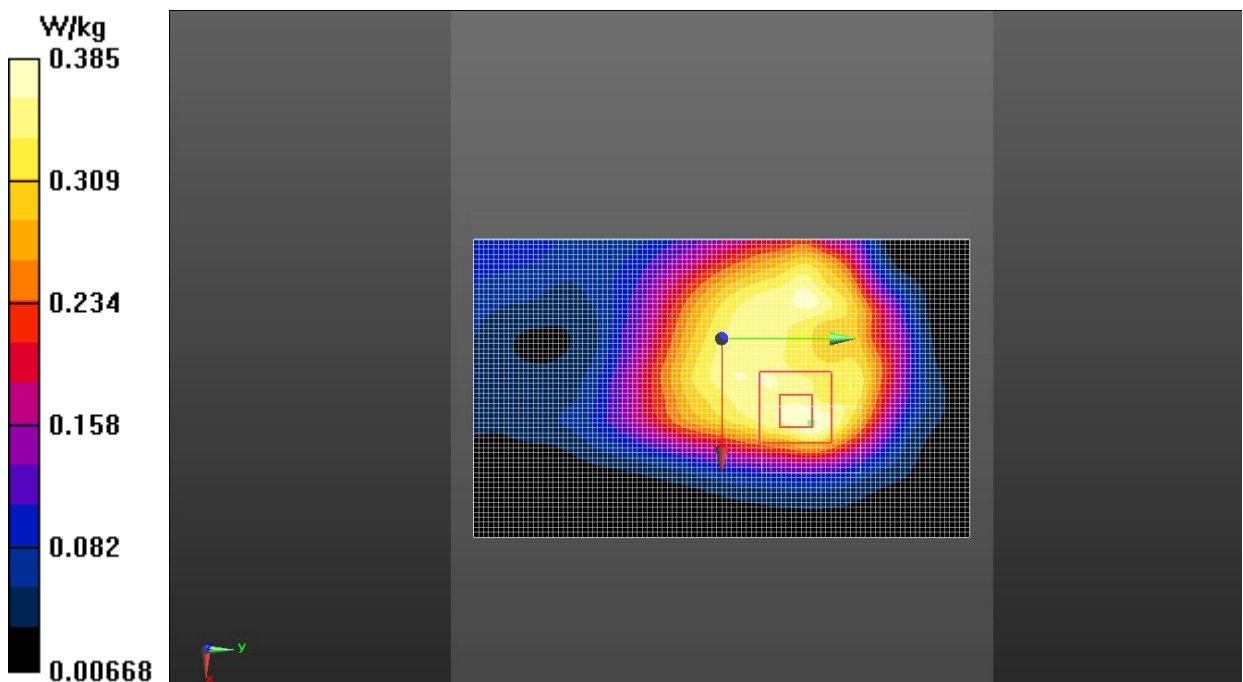
Front Side Middle 1RB_Low/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 14.30 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.495 W/kg

SAR(1 g) = 0.289 W/kg; SAR(10 g) = 0.175 W/kg

Maximum value of SAR (measured) = 0.385 W/kg



Wi-Fi 2.4G Head

Date: 2018-9-11

Electronics: DAE4 Sn786

Medium: Head 2450 MHz

Medium parameters used (interpolated): $f = 2462$ MHz; $\sigma = 1.853$ S/m; $\epsilon_r = 38.207$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.0°C Liquid Temperature: 21.5°C

Communication System: UID 0, WiFi (0) Frequency: 2462 MHz Duty Cycle: 1:1

Probe: EX3DV4 – SN3633 ConvF (7.42, 7.42, 7.42);

Right Cheek High/Area Scan (61x61x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.940 W/kg

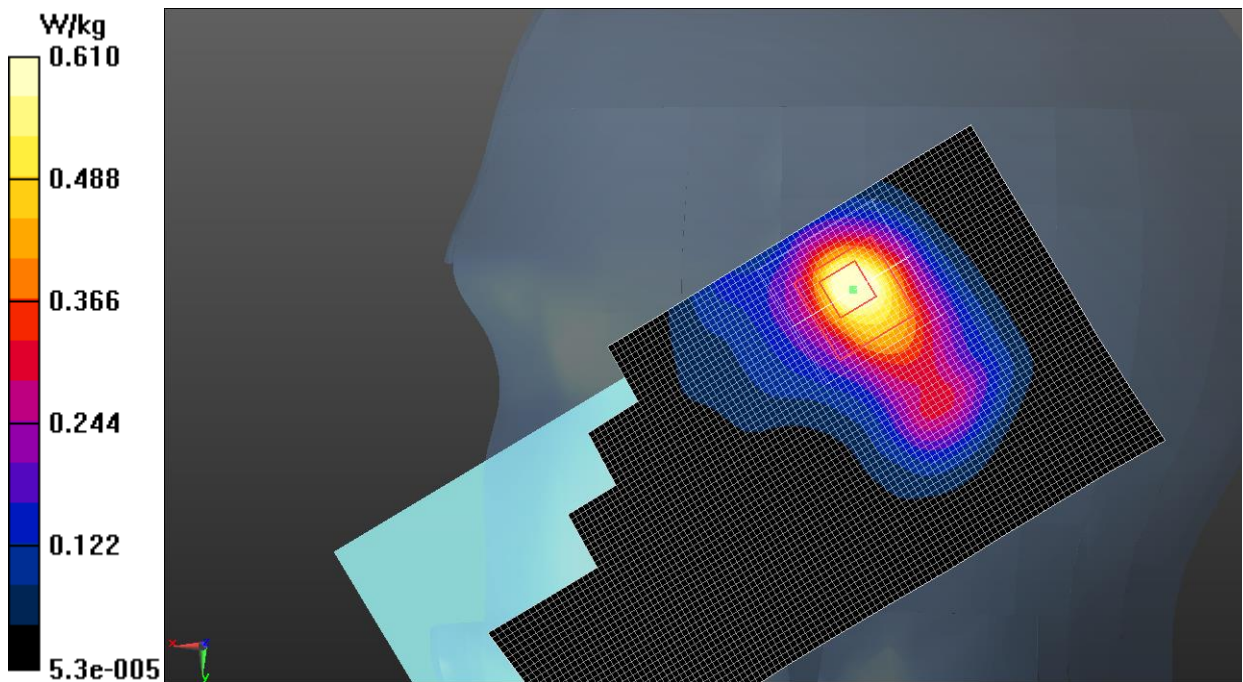
Right Cheek High/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 11.84 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.33 W/kg

SAR(1 g) = 0.548 W/kg; SAR(10 g) = 0.254 W/kg

Maximum value of SAR (measured) = 0.610 W/kg



Wi-Fi 2.4G Body

Date: 2018-9-11

Electronics: DAE4 Sn786

Medium: Body 2450 MHz

Medium parameters used: $f = 2437$ MHz; $\sigma = 1.907$ S/m; $\epsilon_r = 53.131$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.0°C Liquid Temperature: 21.5°C

Communication System: UID 0, WiFi (0) Frequency: 2437 MHz Duty Cycle: 1:1

Probe: EX3DV4 – SN3633 ConvF (7.47, 7.47, 7.47);

Rear Side Middle/Area Scan (61x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.319 W/kg

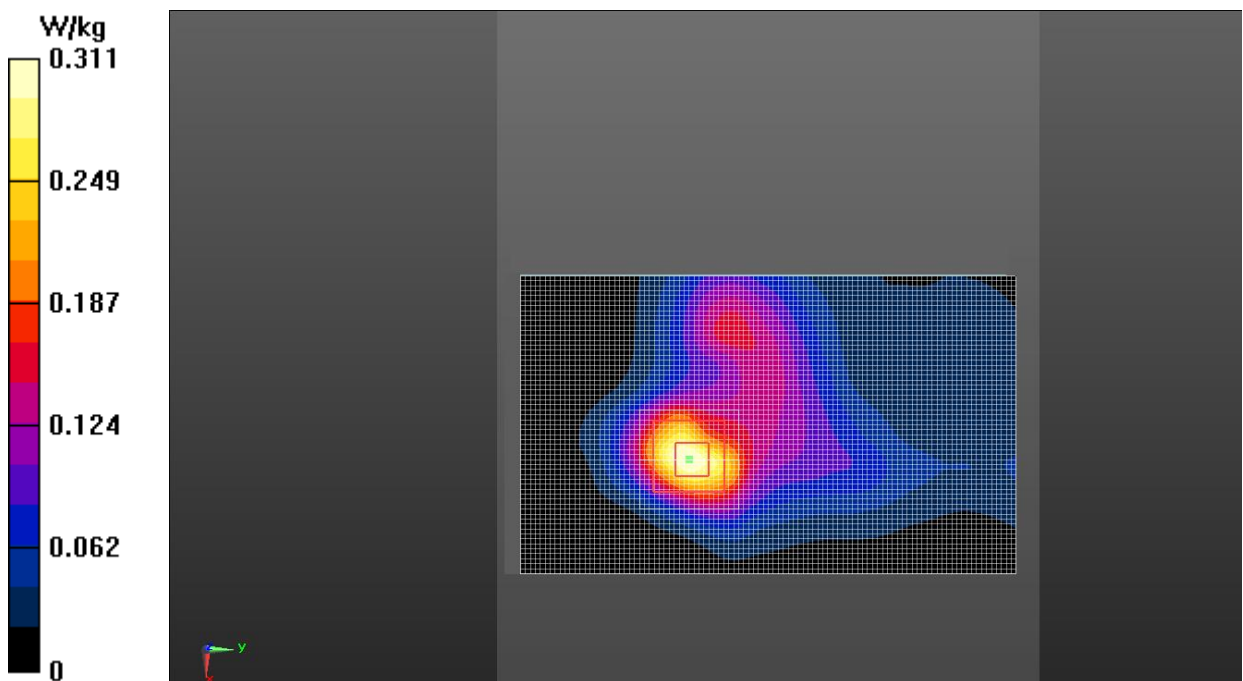
Rear Side Middle/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.696 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 0.406 W/kg

SAR(1 g) = 0.213 W/kg; SAR(10 g) = 0.103 W/kg

Maximum value of SAR (measured) = 0.311 W/kg



Wi-Fi 5G Head

Date: 2018-9-14

Electronics: DAE4 Sn786

Medium: Head 5300 MHz

Medium parameters used: $f = 5260$ MHz; $\sigma = 4.761$ S/m; $\epsilon_r = 35.346$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.0°C Liquid Temperature: 21.5°C

Communication System: UID 0, WIFI 5G (0) Frequency: 5260 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN3633 ConvF (5.61, 5.61, 5.61);

Right Tilt CH52/Area Scan (61x61x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.832 W/kg

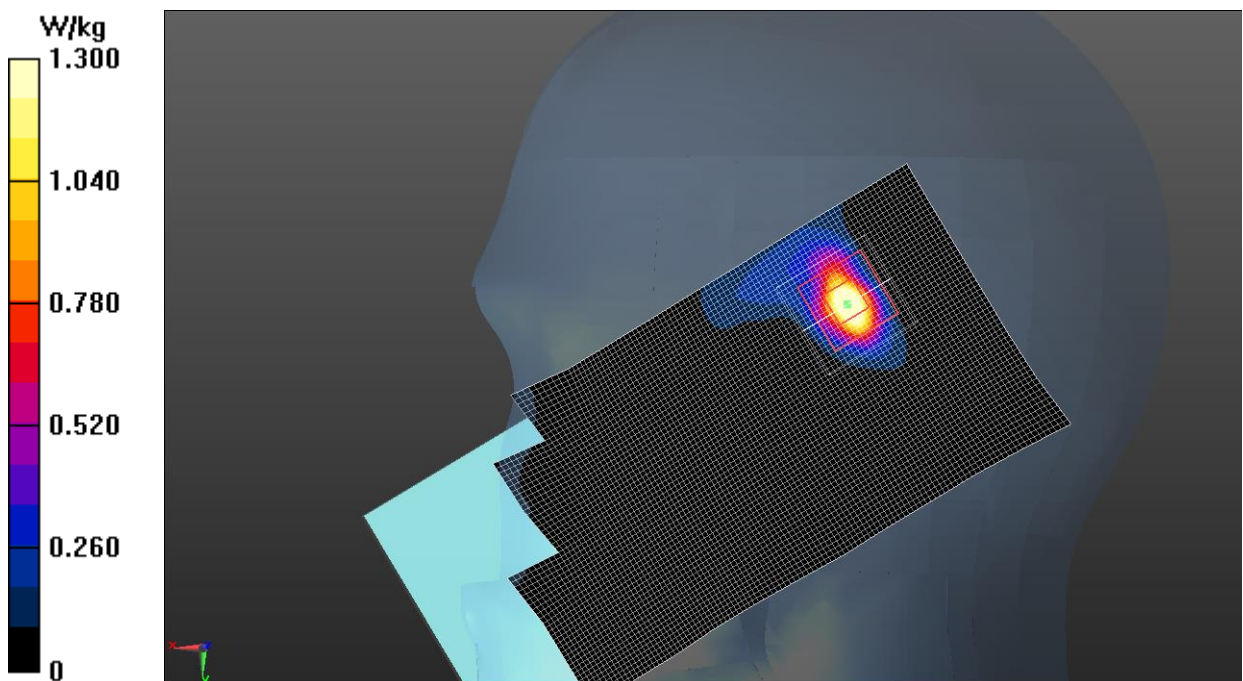
Right Tilt CH52/Zoom Scan (7x7x11)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 4.712 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 2.39 W/kg

SAR(1 g) = 0.636 W/kg; SAR(10 g) = 0.193 W/kg

Maximum value of SAR (measured) = 1.30 W/kg



Wi-Fi 5G Body

Date: 2018-9-14

Electronics: DAE4 Sn786

Medium: Body 5300 MHz

Medium parameters used: $f = 5260$ MHz; $\sigma = 5.262$ S/m; $\epsilon_r = 49.533$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.0°C Liquid Temperature: 21.5°C

Communication System: UID 0, WIFI 5G (0) Frequency: 5260 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN3633 ConvF (5.15, 5.15, 5.15);

Top Side CH52/Area Scan (51x71x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

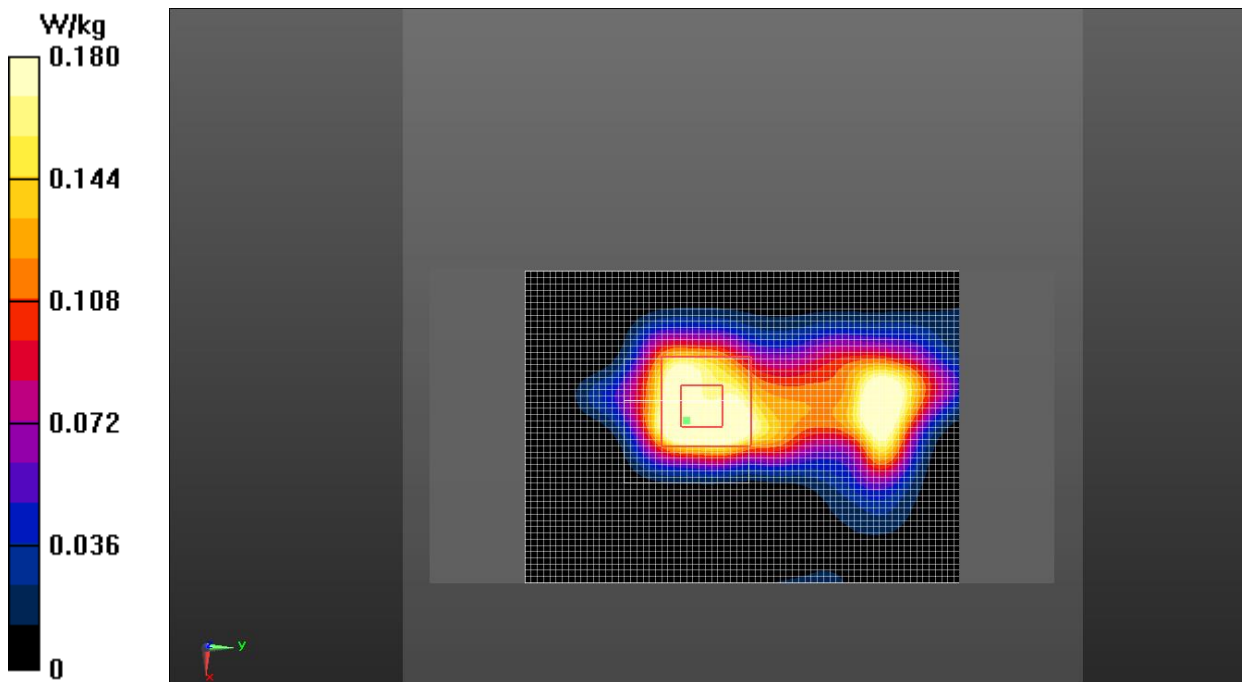
Top Side CH52/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 3.679 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.477 W/kg

SAR(1 g) = 0.116 W/kg; SAR(10 g) = 0.039 W/kg

Maximum value of SAR (measured) = 0.180 W/kg



ANNEX L System Verification Results for Spot Check Test

750MHz

Date: 2018-8-25

Electronics: DAE4 Sn786

Medium: Head 750 MHz

Medium parameters used: $f = 750 \text{ MHz}$; $\sigma = 0.913 \text{ S/m}$; $\epsilon_r = 41.348$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature: 22.5°C Liquid Temperature: 22.0°C

Communication System: CW Frequency: 750 MHz Duty Cycle: 1:1

Probe: EX3DV4 – SN3633 ConvF (9.33, 9.33, 9.33);

System Validation /Area Scan (81x191x1): Interpolated grid: $dx=1.000 \text{ mm}$, $dy=1.000 \text{ mm}$

Reference Value = 58.488 V/m ; Power Drift = 0.06 dB

SAR(1 g) = 2.08 W/kg; SAR(10 g) = 1.36 W/kg

Maximum value of SAR (interpolated) = 2.20 W/kg

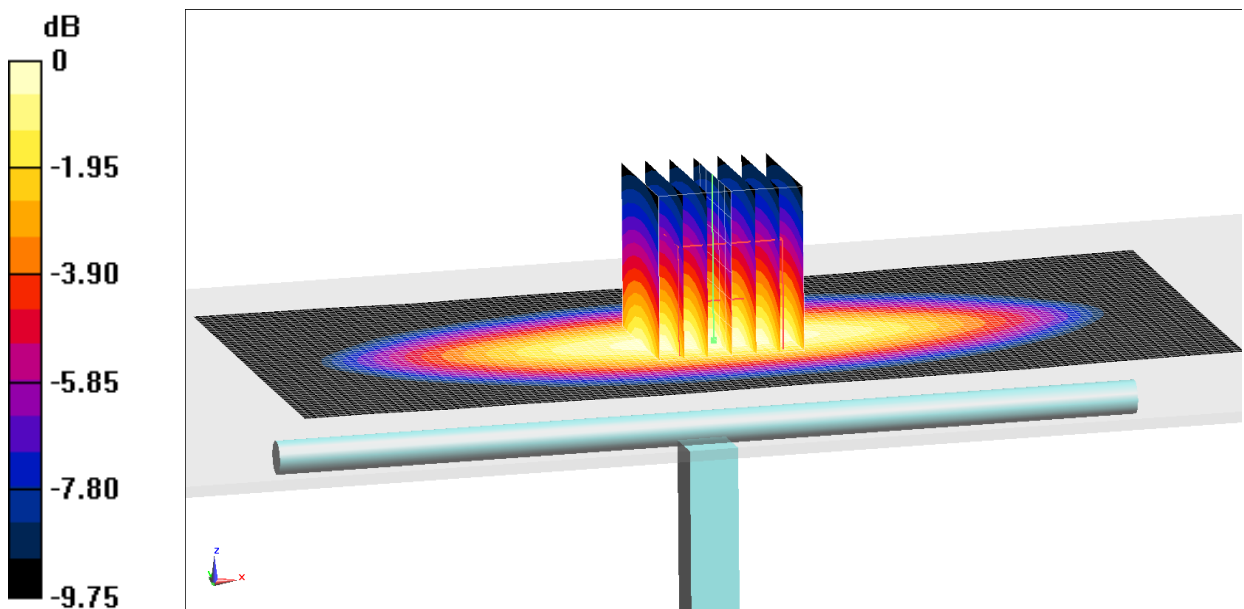
System Validation /Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 58.488 V/m ; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 2.66 W/kg

SAR(1 g) = 2.11 W/kg; SAR(10 g) = 1.37 W/kg

Maximum value of SAR (measured) = 2.23 W/kg



0 dB = 2.23 W/kg = 3.48 dB W/kg

Fig.L.1. Validation 750MHz 250mW

750MHz

Date: 2018-8-26

Electronics: DAE4 Sn786

Medium: Body 750 MHz

Medium parameters used: $f = 750 \text{ MHz}$; $\sigma = 0.972 \text{ S/m}$; $\epsilon_r = 53.862$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature: 22.5°C Liquid Temperature: 22.0°C

Communication System: CW Frequency: 750 MHz Duty Cycle: 1:1

Probe: EX3DV4 – SN3633 ConvF (9.69, 9.69, 9.69);

System Validation /Area Scan (81x191x1): Interpolated grid: $dx=1.000 \text{ mm}$, $dy=1.000 \text{ mm}$

Reference Value = 59.145 V/m ; Power Drift = 0.09 dB

SAR(1 g) = 2.18 W/kg ; SAR(10 g) = 1.42 W/kg

Maximum value of SAR (interpolated) = 2.28 W/kg

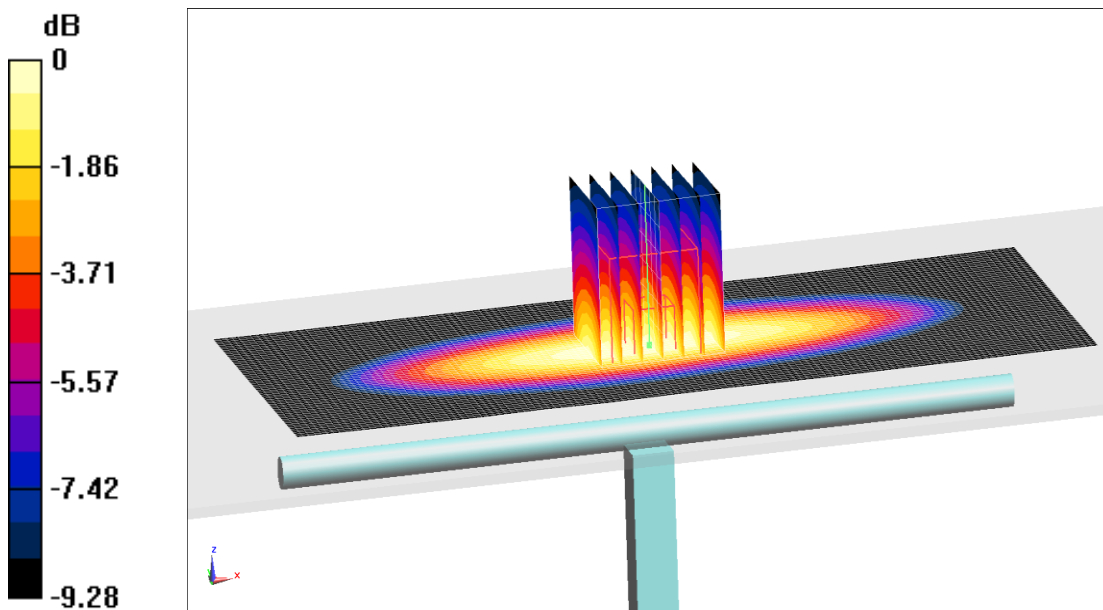
System Validation /Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 59.145 V/m ; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 2.78 W/kg

SAR(1 g) = 2.22 W/kg ; SAR(10 g) = 1.44 W/kg

Maximum value of SAR (measured) = 2.30 W/kg



0 dB = 2.30 W/kg = 3.61 dB W/kg

Fig.L.2. Validation 750MHz 250mW

835MHz

Date: 2018-8-25

Electronics: DAE4 Sn786

Medium: Head 835 MHz

Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.875 \text{ S/m}$; $\epsilon_r = 41.924$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature: 22.9°C Liquid Temperature: 22.5°C

Communication System: CW Frequency: 835 MHz Duty Cycle: 1:1

Probe: EX3DV4 – SN3633 ConvF (9.33, 9.33, 9.33);

System Validation /Area Scan (81x161x1): Interpolated grid: $dx=1.000 \text{ mm}$, $dy=1.000 \text{ mm}$

Reference Value = 56.583 V/m ; Power Drift = -0.02 dB

SAR(1 g) = 2.26 W/kg; SAR(10 g) = 1.50 W/kg

Maximum value of SAR (interpolated) = 2.49 W/kg

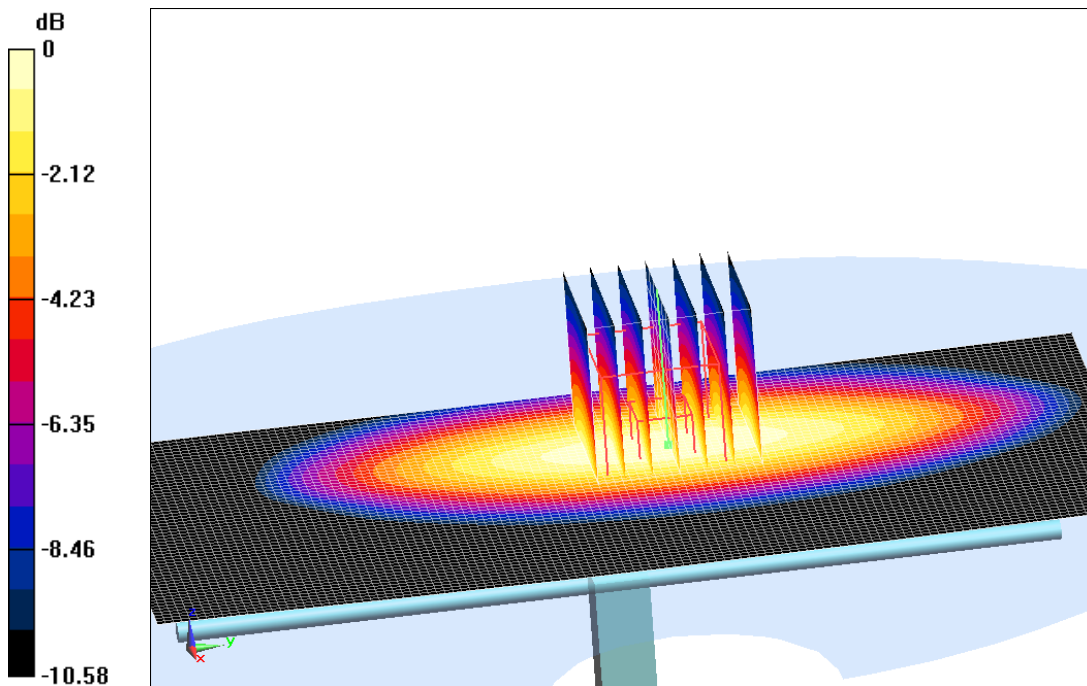
System Validation /Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 56.583 V/m ; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 3.11 W/kg

SAR(1 g) = 2.23 W/kg; SAR(10 g) = 1.48 W/kg

Maximum value of SAR (measured) = 2.46 W/kg



0 dB = $2.46 \text{ W/kg} = 3.91 \text{ dB W/kg}$

Fig.L.3. Validation 835MHz 250mW

835MHz

Date: 2018-8-26

Electronics: DAE4 Sn786

Medium: Body 835 MHz

Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.977 \text{ S/m}$; $\epsilon_r = 54.037$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature: 22.9°C Liquid Temperature: 22.5°C

Communication System: CW Frequency: 835 MHz Duty Cycle: 1:1

Probe: EX3DV4 – SN3633 ConvF (9.69, 9.69, 9.69);

System Validation /Area Scan (81x171x1): Interpolated grid: $dx=1.000 \text{ mm}$, $dy=1.000 \text{ mm}$

Reference Value = 58.672 V/m ; Power Drift = 0.11 dB

SAR(1 g) = 2.43 W/kg ; SAR(10 g) = 1.58 W/kg

Maximum value of SAR (interpolated) = 2.55 W/kg

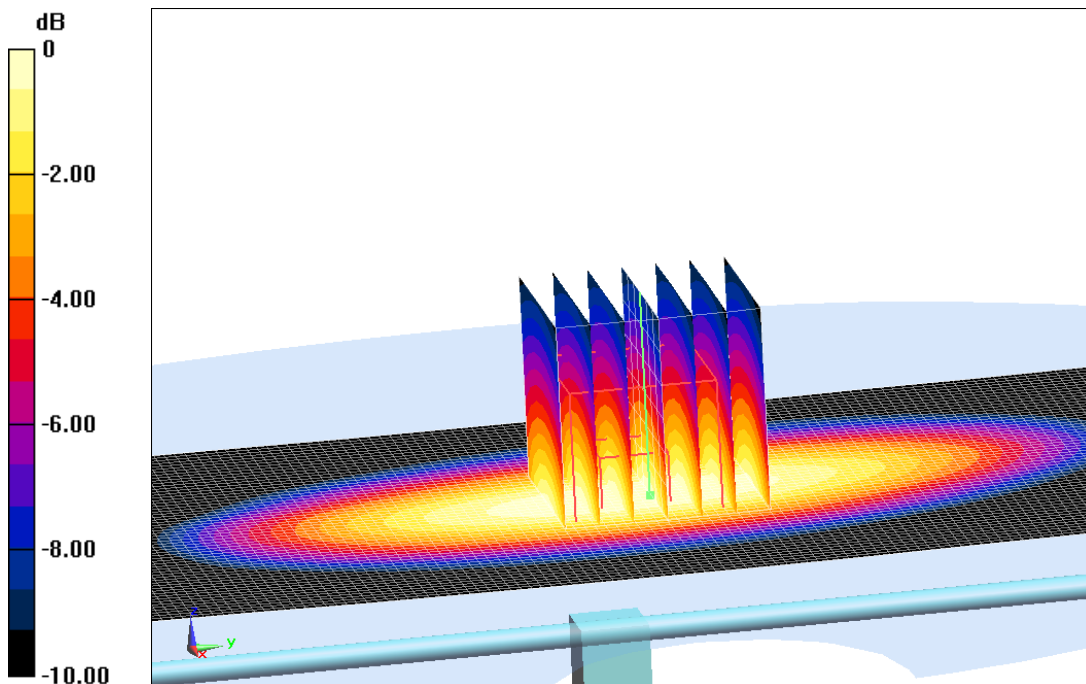
System Validation /Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 58.672 V/m ; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 3.57 W/kg

SAR(1 g) = 2.46 W/kg ; SAR(10 g) = 1.59 W/kg

Maximum value of SAR (measured) = 2.59 W/kg



0 dB = 2.59 W/kg = 4.13 dB W/kg

Fig.L.4. Validation 835MHz 250mW

1800MHz

Date: 2018-8-25

Electronics: DAE4 Sn786

Medium: Head 1800 MHz

Medium parameters used: $f = 1800 \text{ MHz}$; $\sigma = 1.426 \text{ S/m}$; $\epsilon_r = 39.38$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature: 22.0°C Liquid Temperature: 21.5°C

Communication System: CW Frequency: 1800 MHz Duty Cycle: 1:1

Probe: EX3DV4 – SN3633 ConvF (8.12, 8.12, 8.12);

System Validation/Area Scan (61x121x1): Interpolated grid: $dx=1.000 \text{ mm}$, $dy=1.000 \text{ mm}$

Reference Value = 80.686 V/m ; Power Drift = 0.07 dB

SAR(1 g) = 9.88 W/kg ; SAR(10 g) = 5.22 W/kg

Maximum value of SAR (interpolated) = 12.6 W/kg

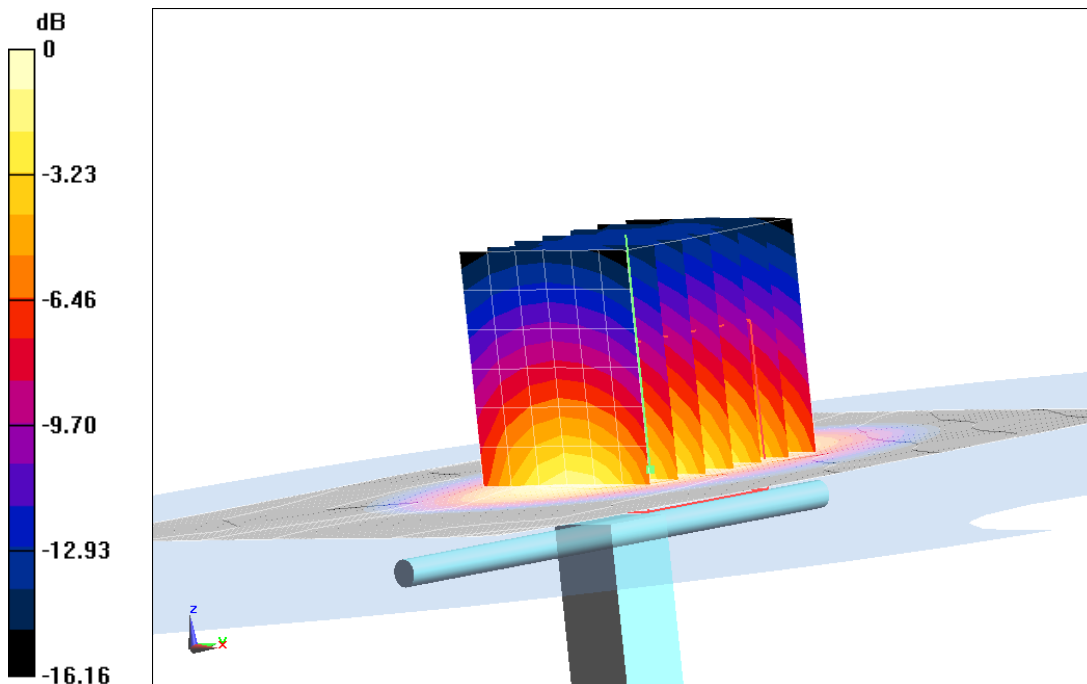
System Validation/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 80.686 V/m ; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 19.9 W/kg

SAR(1 g) = 10.1 W/kg ; SAR(10 g) = 5.27 W/kg

Maximum value of SAR (measured) = 12.9 W/kg



0 dB = 12.9 W/kg = 11.11 dB W/kg

Fig.L.5. Validation 1800MHz 250mW

1800MHz

Date: 2018-8-26

Electronics: DAE4 Sn786

Medium: Body 1800 MHz

Medium parameters used: $f = 1800 \text{ MHz}$; $\sigma = 1.505 \text{ S/m}$; $\epsilon_r = 53.733$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature: 22.0°C Liquid Temperature: 21.5°C

Communication System: CW Frequency: 1800 MHz Duty Cycle: 1:1

Probe: EX3DV4 – SN3633 ConvF (8.05, 8.05, 8.05);

System Validation/Area Scan (61x121x1): Interpolated grid: $dx=1.000 \text{ mm}$, $dy=1.000 \text{ mm}$

Reference Value = 78.285 V/m ; Power Drift = -0.01 dB

SAR(1 g) = 9.78 W/kg ; SAR(10 g) = 5.24 W/kg

Maximum value of SAR (interpolated) = 12.2 W/kg

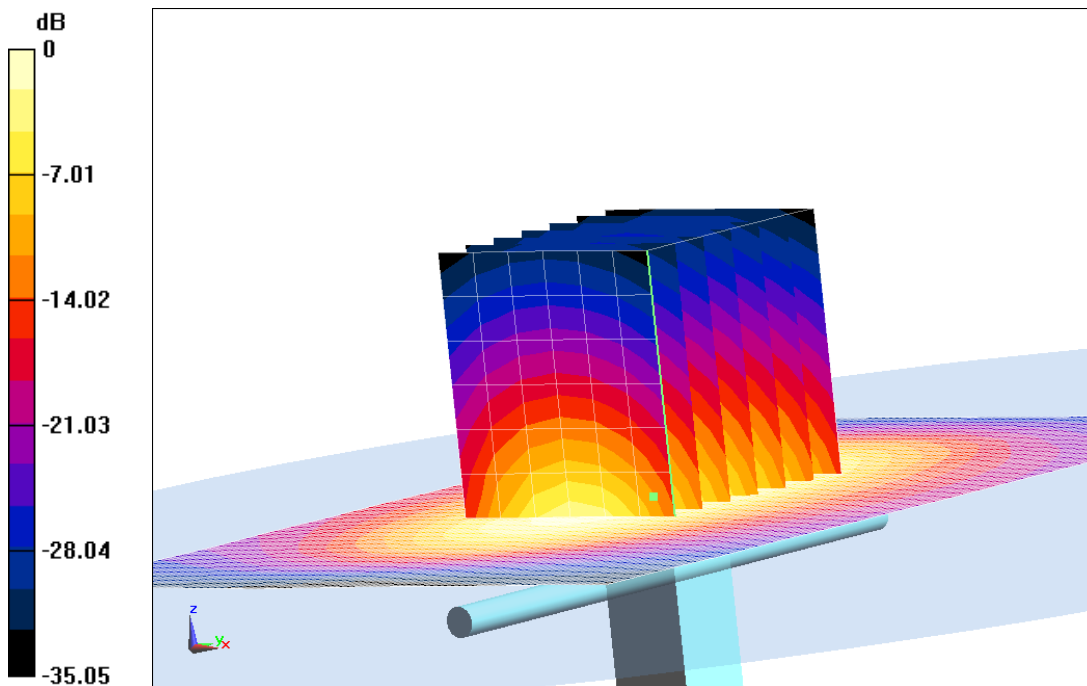
System Validation/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 78.285 V/m ; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 18.7 W/kg

SAR(1 g) = 9.63 W/kg ; SAR(10 g) = 5.19 W/kg

Maximum value of SAR (measured) = 11.8 W/kg



0 dB = 11.8 W/kg = 10.72 dB W/kg

Fig.L.6. Validation 1800MHz 250mW

1900MHz

Date: 2018-8-25

Electronics: DAE4 Sn786

Medium: Head 1900 MHz

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.408$ S/m; $\epsilon_r = 39.105$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.9°C Liquid Temperature: 22.5°C

Communication System: CW Frequency: 1900 MHz Duty Cycle: 1:1

Probe: EX3DV4 – SN3633 ConvF (7.81, 7.81, 7.81);

System Validation /Area Scan (81x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Reference Value = 91.896 V/m; Power Drift = 0.06 dB

SAR(1 g) = 10.2 W/kg; SAR(10 g) = 5.25 W/kg

Maximum value of SAR (interpolated) = 13.2 W/kg

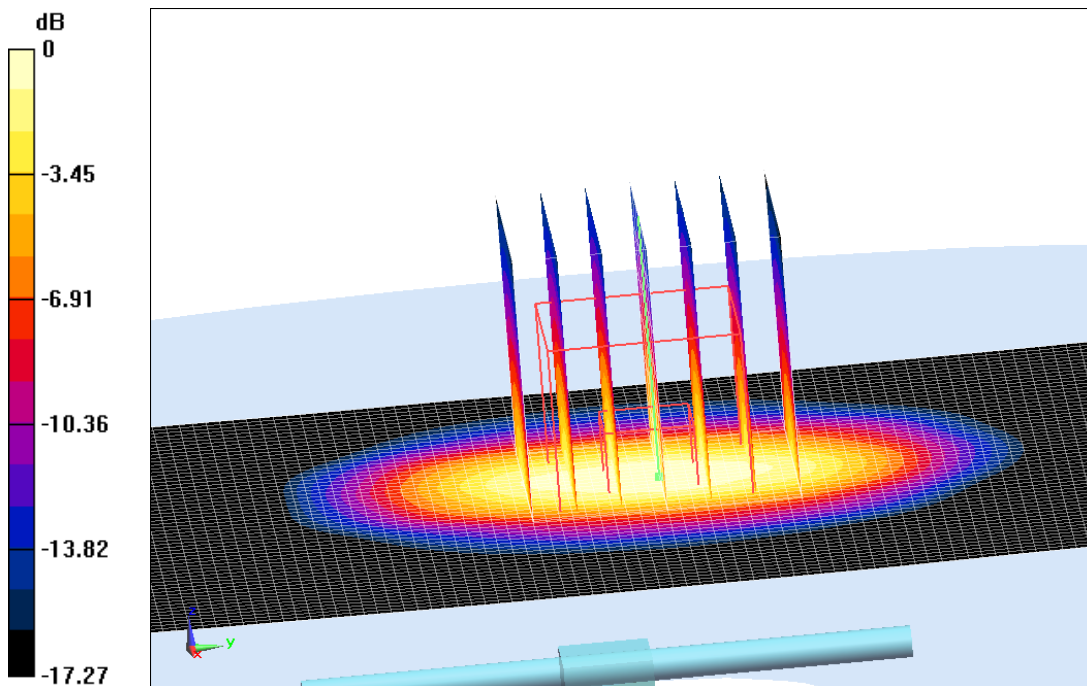
System Validation /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 91.896 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 21.2 W/kg

SAR(1 g) = 10.3 W/kg; SAR(10 g) = 5.27 W/kg

Maximum value of SAR (measured) = 13.5 W/kg



0 dB = 13.5 W/kg = 11.30 dB W/kg

Fig.L.7. Validation 1900MHz 250mW

1900MHz

Date: 2018-8-26

Electronics: DAE4 Sn786

Medium: Body 1900 MHz

Medium parameters used: $f = 1900 \text{ MHz}$; $\sigma = 1.552 \text{ S/m}$; $\epsilon_r = 52.546$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature: 22.9°C Liquid Temperature: 22.5°C

Communication System: CW Frequency: 1900 MHz Duty Cycle: 1:1

Probe: EX3DV4 – SN3633 ConvF (7.75, 7.75, 7.75);

System validation /Area Scan (81x121x1): Interpolated grid: $dx=1.000 \text{ mm}$, $dy=1.000 \text{ mm}$

Reference Value = 88.611 V/m ; Power Drift = -0.10 dB

SAR(1 g) = 10.6 W/kg ; SAR(10 g) = 5.43 W/kg

Maximum value of SAR (interpolated) = 13.8 W/kg

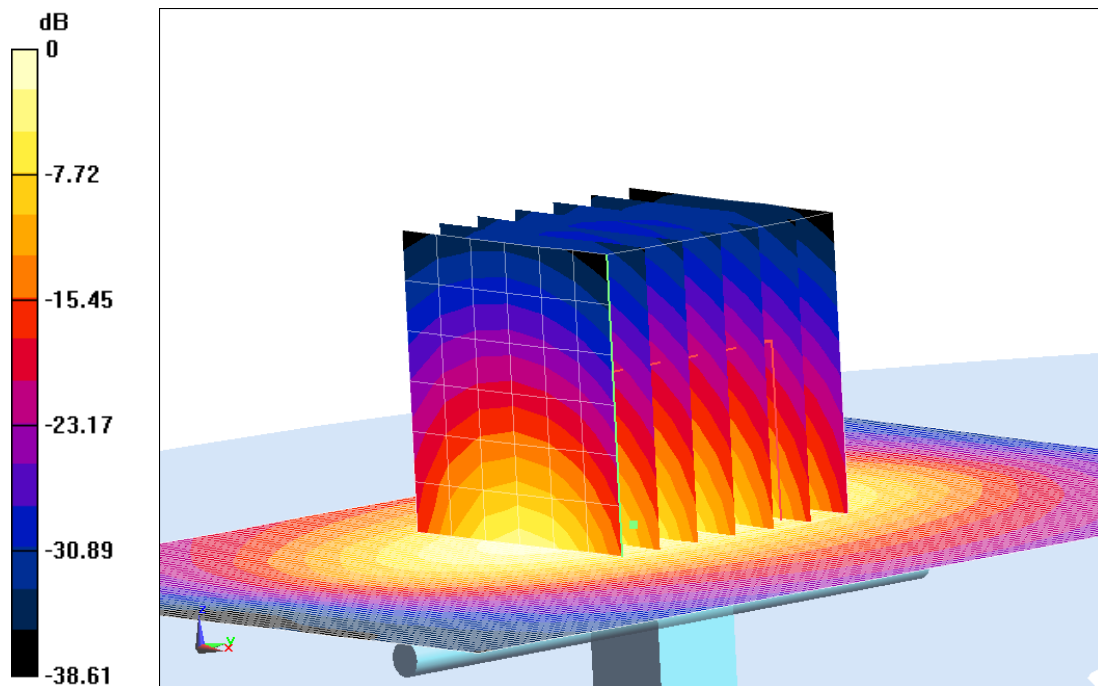
System validation /Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 88.611 V/m ; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 21.7 W/kg

SAR(1 g) = 10.5 W/kg ; SAR(10 g) = 5.40 W/kg

Maximum value of SAR (measured) = 13.7 W/kg



0 dB = 13.7 W/kg = 11.37 dB W/kg

Fig.L.8. Validation 1900MHz 250mW

2450MHz

Date: 2018-9-11

Electronics: DAE4 Sn786

Medium: Head 2450 MHz

Medium parameters used: $f = 2450 \text{ MHz}$; $\sigma = 1.839 \text{ S/m}$; $\epsilon_r = 38.261$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature: 22.0°C Liquid Temperature: 21.6°C

Communication System: CW Frequency: 2450 MHz Duty Cycle: 1:1

Probe: EX3DV4 – SN3633 ConvF (7.42, 7.42, 7.42);

System Validation /Area Scan (61x81x1): Interpolated grid: $dx=1.000 \text{ mm}$, $dy=1.000 \text{ mm}$

Reference Value = 90.587 V/m ; Power Drift = 0.08 dB

SAR(1 g) = 13.3 W/kg ; SAR(10 g) = 6.08 W/kg

Maximum value of SAR (interpolated) = 14.8 W/kg

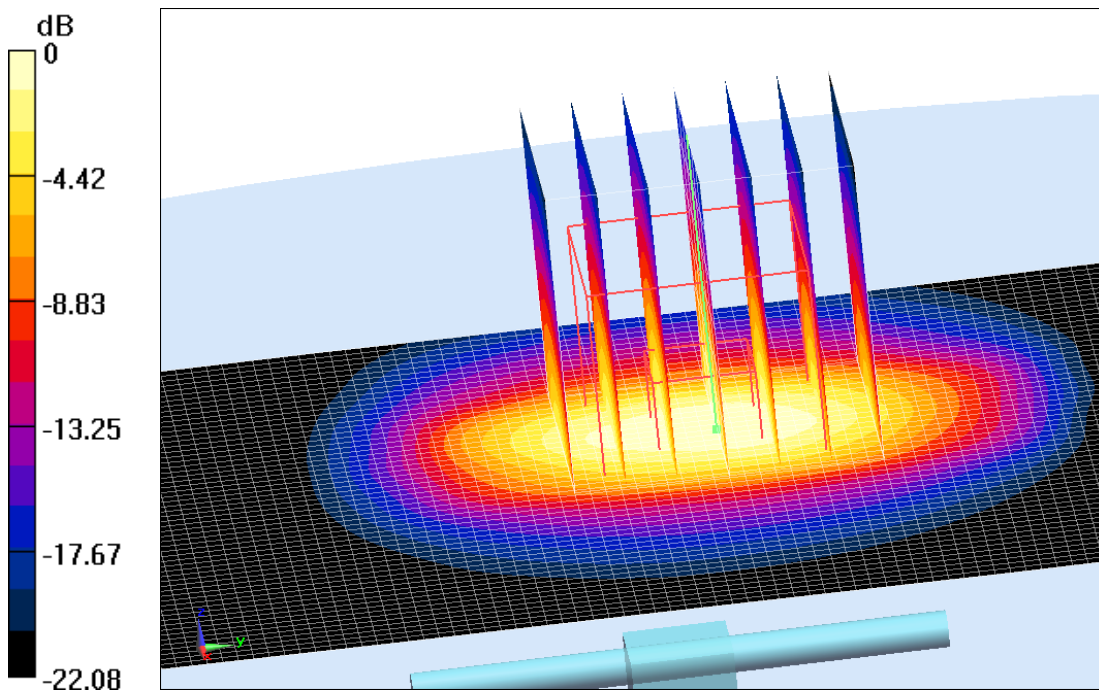
System Validation /Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 90.587 V/m ; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 25.4 W/kg

SAR(1 g) = 13.5 W/kg ; SAR(10 g) = 6.13 W/kg

Maximum value of SAR (measured) = 15.2 W/kg



0 dB = 15.2 W/kg = 11.82 dB W/kg

Fig.L.9. Validation 2450MHz 250mW

2450MHz

Date: 2018-9-11

Electronics: DAE4 Sn786

Medium: Body 2450 MHz

Medium parameters used: $f = 2450 \text{ MHz}$; $\sigma = 1.922 \text{ S/m}$; $\epsilon_r = 53.088$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature: 22.0°C Liquid Temperature: 21.6°C

Communication System: CW Frequency: 2450 MHz Duty Cycle: 1:1

Probe: EX3DV4 – SN3633 ConvF (7.47, 7.47, 7.47);

System Validation/Area Scan (81x101x1): Interpolated grid: $dx=1.000 \text{ mm}$, $dy=1.000 \text{ mm}$

Reference Value = 86.755 V/m ; Power Drift = -0.12 dB

SAR(1 g) = 12.9 W/kg ; SAR(10 g) = 6.09 W/kg

Maximum value of SAR (interpolated) = 14.4 W/kg

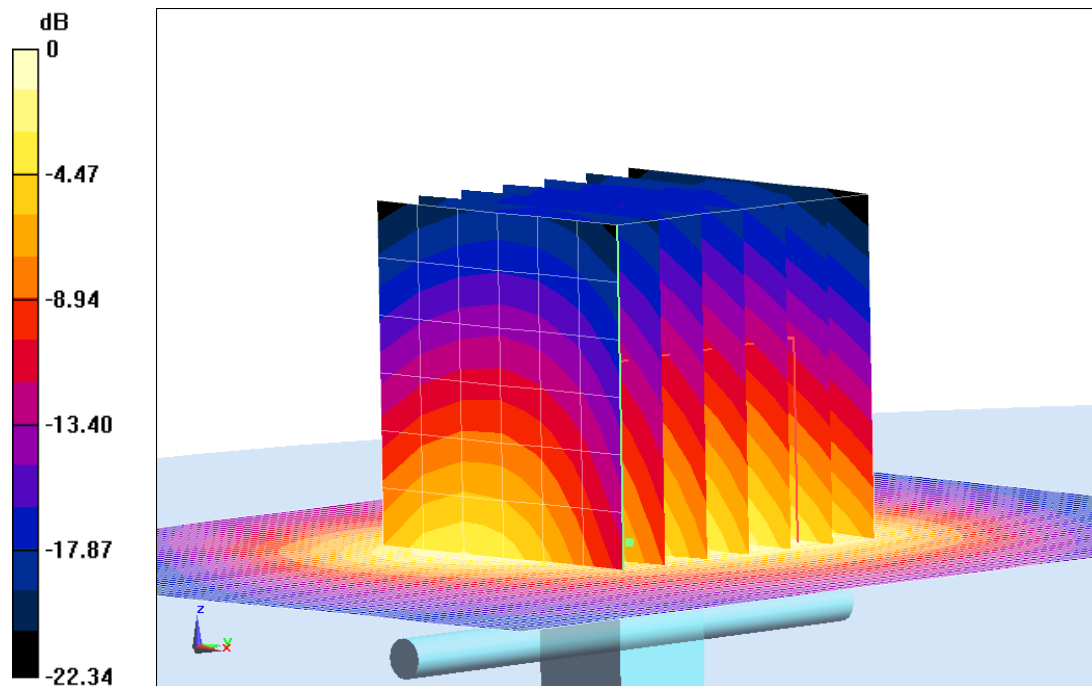
System Validation/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 86.755 V/m ; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 23.0 W/kg

SAR(1 g) = 12.8 W/kg ; SAR(10 g) = 6.05 W/kg

Maximum value of SAR (measured) = 14.1 W/kg



0 dB = 14.1 W/kg = 11.49 dB W/kg

Fig.L.10. Validation 2450MHz 250mW

2600MHz

Date: 2018-8-23

Electronics: DAE4 Sn786

Medium: Head 2600 MHz

Medium parameters used: $f = 2600 \text{ MHz}$; $\sigma = 1.988 \text{ S/m}$; $\epsilon_r = 37.947$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature: 22.0°C Liquid Temperature: 21.6°C

Communication System: CW Frequency: 2600 MHz Duty Cycle: 1:1

Probe: EX3DV4 – SN3633 ConvF (7.28, 7.28, 7.28);

System Validation/Area Scan (81x101x1): Interpolated grid: $dx=1.000 \text{ mm}$, $dy=1.000 \text{ mm}$

Reference Value = 92.613 V/m ; Power Drift = -0.03 dB

SAR(1 g) = 14.6 W/kg ; SAR(10 g) = 6.50 W/kg

Maximum value of SAR (interpolated) = 16.3 W/kg

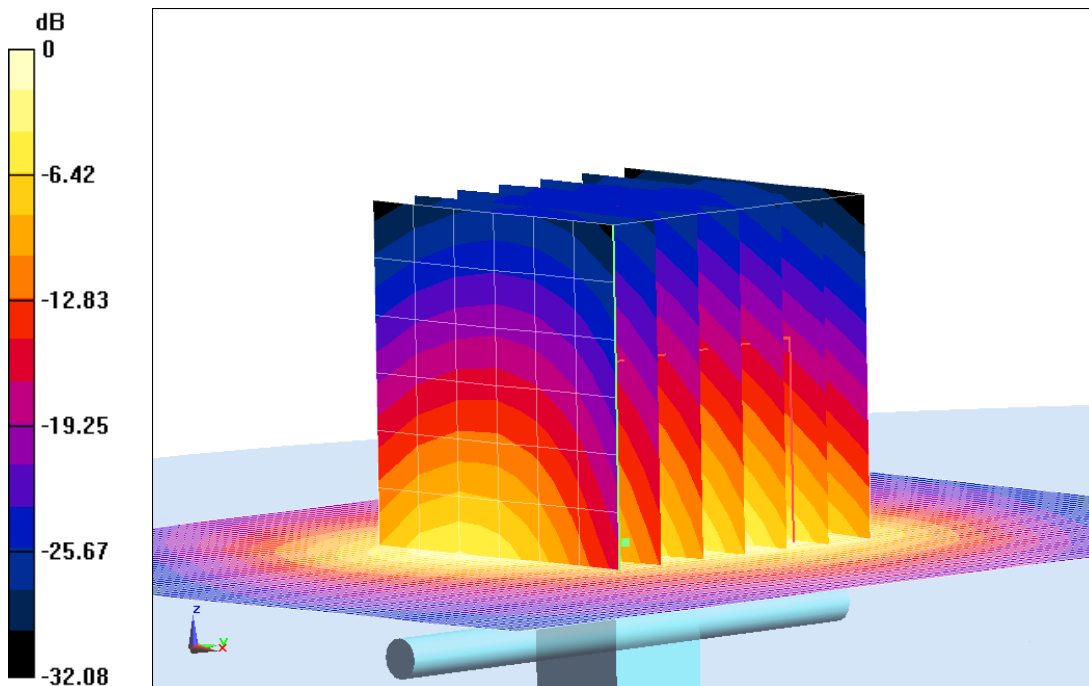
System Validation/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 92.613 V/m ; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 28.2 W/kg

SAR(1 g) = 14.4 W/kg ; SAR(10 g) = 6.41 W/kg

Maximum value of SAR (measured) = 15.9 W/kg



0 dB = 15.9 W/kg = 12.01 dB W/kg

Fig.L.11. Validation 2600MHz 250mW

2600MHz

Date: 2018-8-23

Electronics: DAE4 Sn786

Medium: Body 2600 MHz

Medium parameters used: $f = 2600$ MHz; $\sigma = 2.126$ S/m; $\epsilon_r = 52.839$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.0°C Liquid Temperature: 21.6°C

Communication System: CW Frequency: 2600 MHz Duty Cycle: 1:1

Probe: EX3DV4 – SN3633 ConvF (7.31, 7.31, 7.31);

System Validation/Area Scan (81x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Reference Value = 86.158 V/m; Power Drift = -0.05 dB

SAR(1 g) = 13.4 W/kg; SAR(10 g) = 6.08 W/kg

Maximum value of SAR (interpolated) = 14.7 W/kg

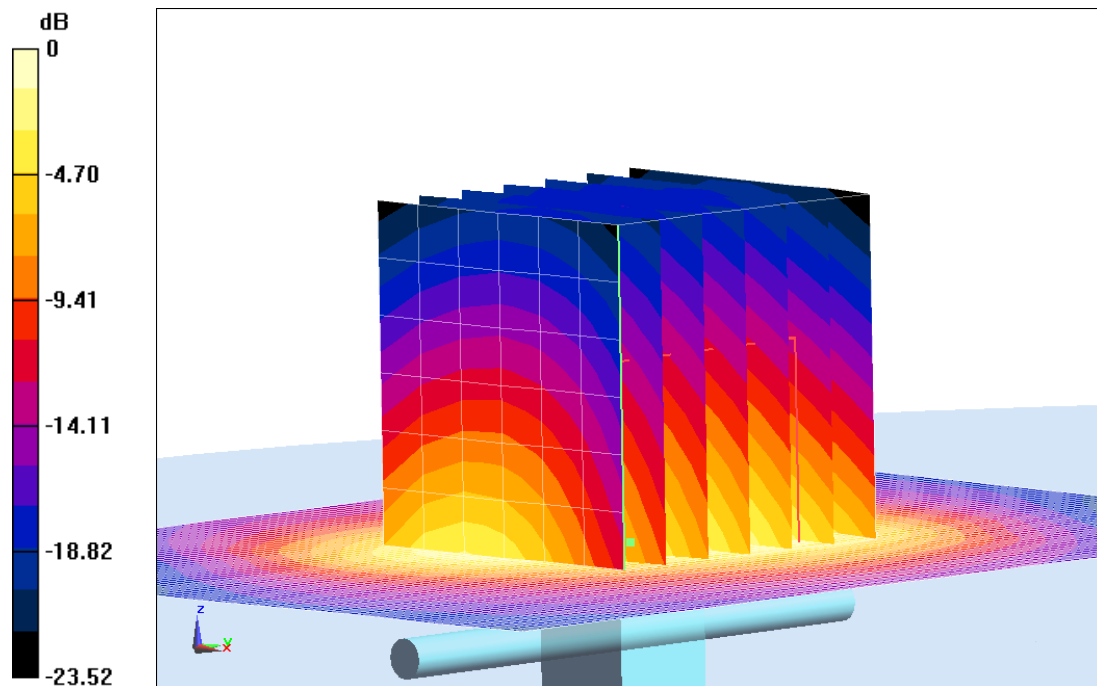
System Validation/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 86.158 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 26.3 W/kg

SAR(1 g) = 13.2 W/kg; SAR(10 g) = 6.01 W/kg

Maximum value of SAR (measured) = 14.4 W/kg



0 dB = 14.4 W/kg = 11.58 dB W/kg

Fig.L.12. Validation 2600MHz 250mW

5300MHz

Date: 2018-9-14

Electronics: DAE4 Sn786

Medium: Head 5300 MHz

Medium parameters used: $f = 5300$ MHz; $\sigma = 4.815$ S/m; $\epsilon_r = 35.244$; $\rho = 1000$ kg/m³

Ambient Temperature: 23.0°C Liquid Temperature: 22.5°C

Communication System: CW Frequency: 5300 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN3633 ConvF (5.61, 5.61, 5.61);

System Validation /Area Scan (91x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Reference Value = 58.489 V/m; Power Drift = 0.06 dB

SAR(1 g) = 8.40 W/kg; SAR(10 g) = 2.38 W/kg

Maximum value of SAR (interpolated) =10.1 W/kg

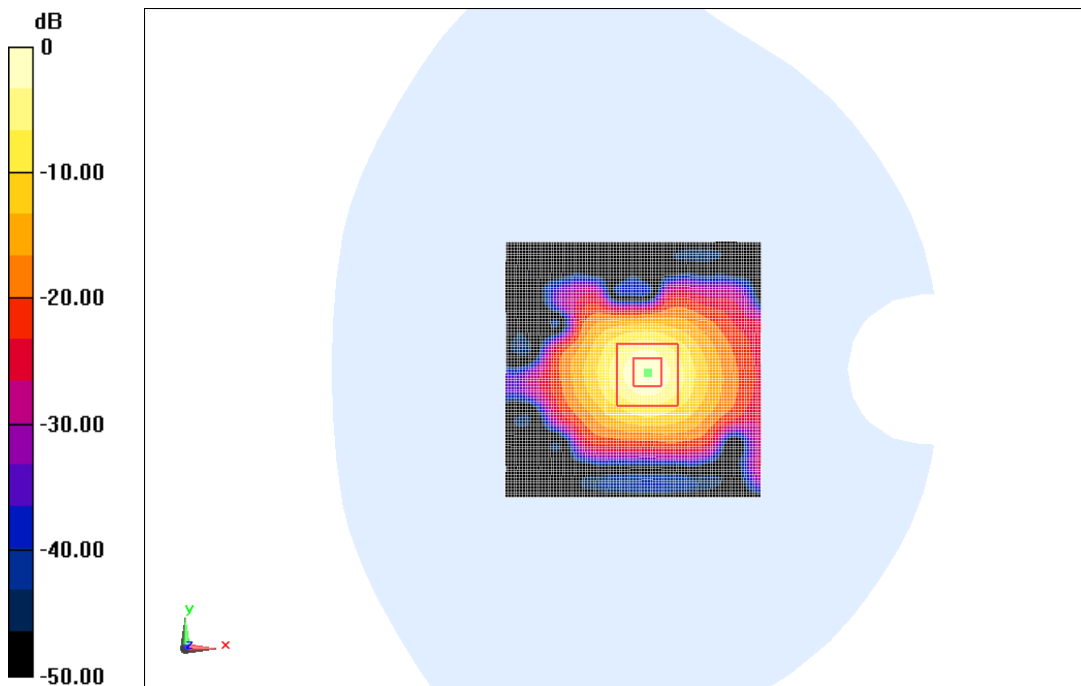
System Validation/Zoom Scan (8x8x8)/Cube0: Measurement grid: dx=4mm, dy=4mm, dz=4mm

Reference Value = 58.489 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 30.3 W/kg

SAR(1 g) = 8.44 W/kg; SAR(10 g) = 2.39 W/kg

Maximum value of SAR (measured) =10.3 W/kg



0 dB = 10.3 W/kg = 10.13 dB W/kg

Fig.L.13. validation 5300MHz 100mW

5300MHz

Date: 2018-9-14

Electronics: DAE4 Sn786

Medium: Body 5300 MHz

Medium parameters used: $f = 5300$ MHz; $\sigma = 5.366$ S/m; $\epsilon_r = 49.232$; $\rho = 1000$ kg/m³

Ambient Temperature: 23.0°C Liquid Temperature: 22.5°C

Communication System: CW Frequency: 5300 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN3633 ConvF (5.15, 5.15, 5.15);

System Validation /Area Scan (91x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Reference Value = 55.384 V/m; Power Drift = -0.14 dB

SAR(1 g) = 7.44 W/kg; SAR(10 g) = 2.12 W/kg

Maximum value of SAR (interpolated) = 9.80 W/kg

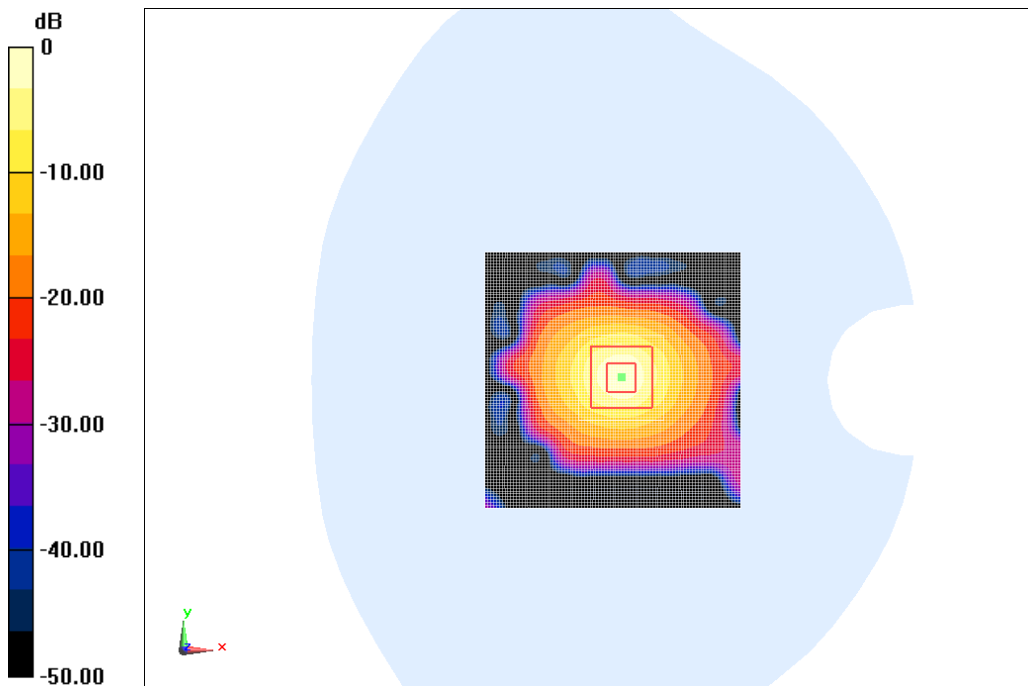
System Validation/Zoom Scan (8x8x8)/Cube0: Measurement grid: dx=4mm, dy=4mm, dz=4mm

Reference Value = 55.384 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 25.7 W/kg

SAR(1 g) = 7.35 W/kg; SAR(10 g) = 2.10 W/kg

Maximum value of SAR (measured) = 9.77 W/kg



0 dB = 9.77 W/kg = 9.90 dB W/kg

Fig.L.14. validation 5300MHz 100mW

5600MHz

Date: 2018-9-14

Electronics: DAE4 Sn786

Medium: Head 5600 MHz

Medium parameters used: $f = 5600$ MHz; $\sigma = 5.114$ S/m; $\epsilon_r = 35.066$; $\rho = 1000$ kg/m³

Ambient Temperature: 23.0°C Liquid Temperature: 22.5°C

Communication System: CW Frequency: 5600 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN3633 ConvF (4.86, 4.86, 4.86);

System Validation /Area Scan (91x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Reference Value = 62.534 V/m; Power Drift = 0.09 dB

SAR(1 g) = 8.47 W/kg; SAR(10 g) = 2.40 W/kg

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

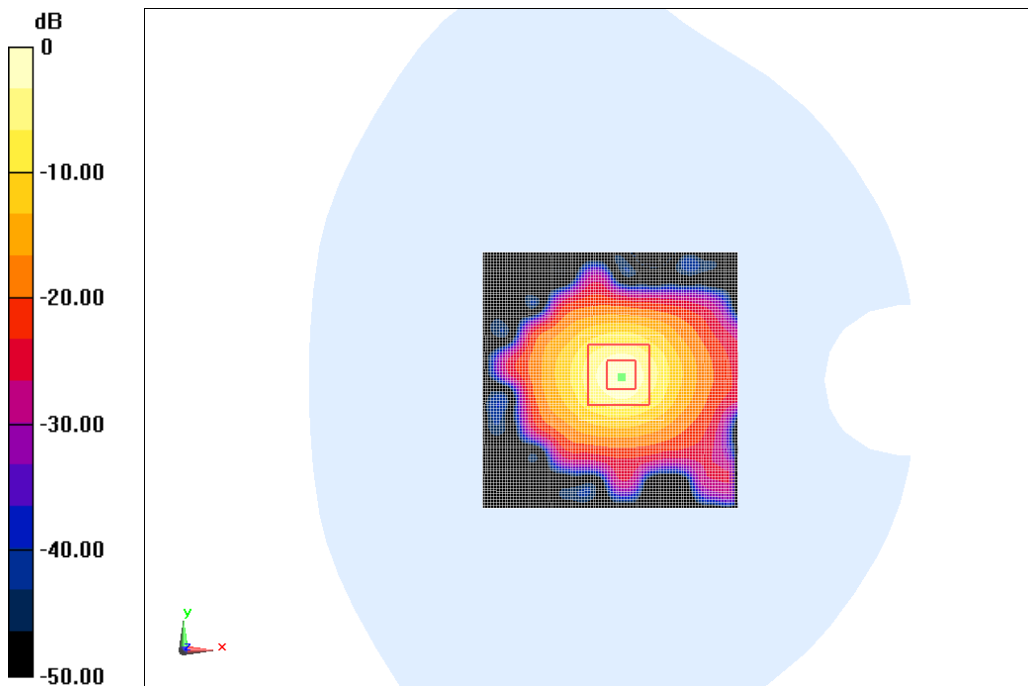
System Validation/Zoom Scan (8x8x8)/Cube0: Measurement grid: dx=4mm, dy=4mm, dz=4mm

Reference Value = 62.534 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 33.3 W/kg

SAR(1 g) = 8.59 W/kg; SAR(10 g) = 2.42 W/kg

Maximum value of SAR (measured) = 10.7 W/kg



0 dB = 10.7 W/kg = 10.29 dB W/kg

Fig.L.15. validation 5600MHz 100mW

5600MHz

Date: 2018-9-14

Electronics: DAE4 Sn786

Medium: Body 5600 MHz

Medium parameters used: $f = 5600$ MHz; $\sigma = 5.689$ S/m; $\epsilon_r = 48.98$; $\rho = 1000$ kg/m³

Ambient Temperature: 23.0°C Liquid Temperature: 22.5°C

Communication System: CW Frequency: 5600 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN3633 ConvF (4.33, 4.33, 4.33);

System Validation /Area Scan (91x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Reference Value = 58.696 V/m; Power Drift = -0.02 dB

SAR(1 g) = 7.79 W/kg; SAR(10 g) = 2.18 W/kg

Maximum value of SAR (interpolated) =9.85 W/kg

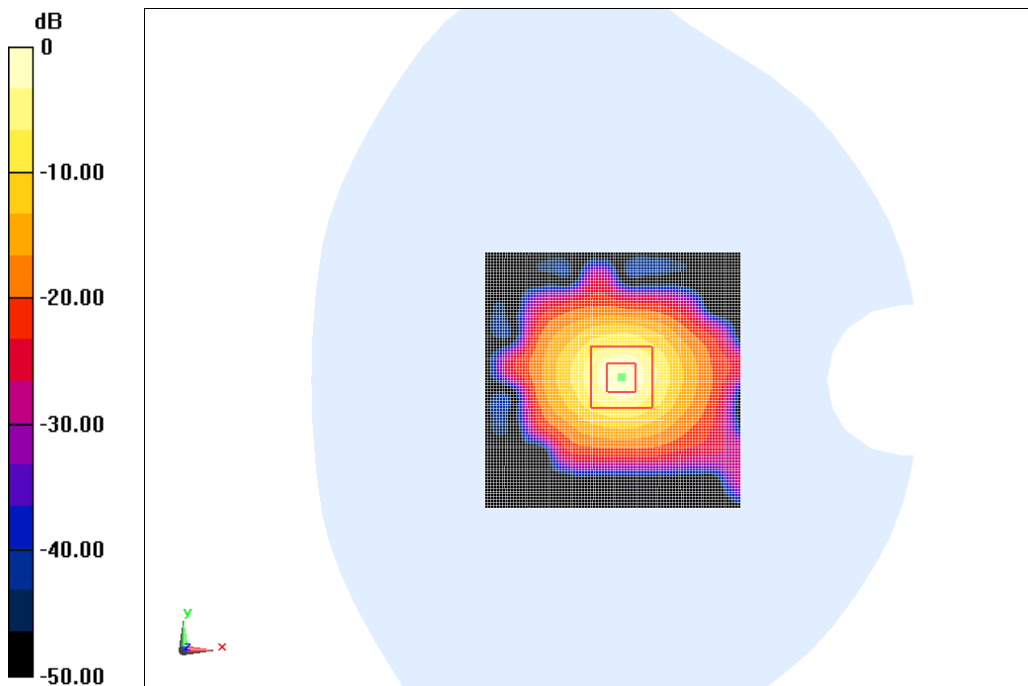
System Validation/Zoom Scan (8x8x8)/Cube0: Measurement grid: dx=4mm, dy=4mm, dz=4mm

Reference Value = 58.696 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 27.9 W/kg

SAR(1 g) = 7.70 W/kg; SAR(10 g) = 2.17 W/kg

Maximum value of SAR (measured) = 9.82 W/kg



0 dB = 9.82 W/kg = 9.92 dB W/kg

Fig.L.16. validation 5600MHz 100mW

5800MHz

Date: 2018-9-14

Electronics: DAE4 Sn786

Medium: Head 5800 MHz

Medium parameters used: $f = 5800 \text{ MHz}$; $\sigma = 5.256 \text{ S/m}$; $\epsilon_r = 35.664$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature: 23.0°C Liquid Temperature: 22.5°C

Communication System: CW Frequency: 5800 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN3633 ConvF (4.81, 4.81, 4.81);

System Validation/Area Scan (91x91x1): Interpolated grid: $dx=1.000 \text{ mm}$, $dy=1.000 \text{ mm}$

Reference Value = 59.685 V/m ; Power Drift = -0.08 dB

SAR(1 g) = 7.68 W/kg; SAR(10 g) = 2.22 W/kg

Maximum value of SAR (interpolated) = 9.80 W/kg

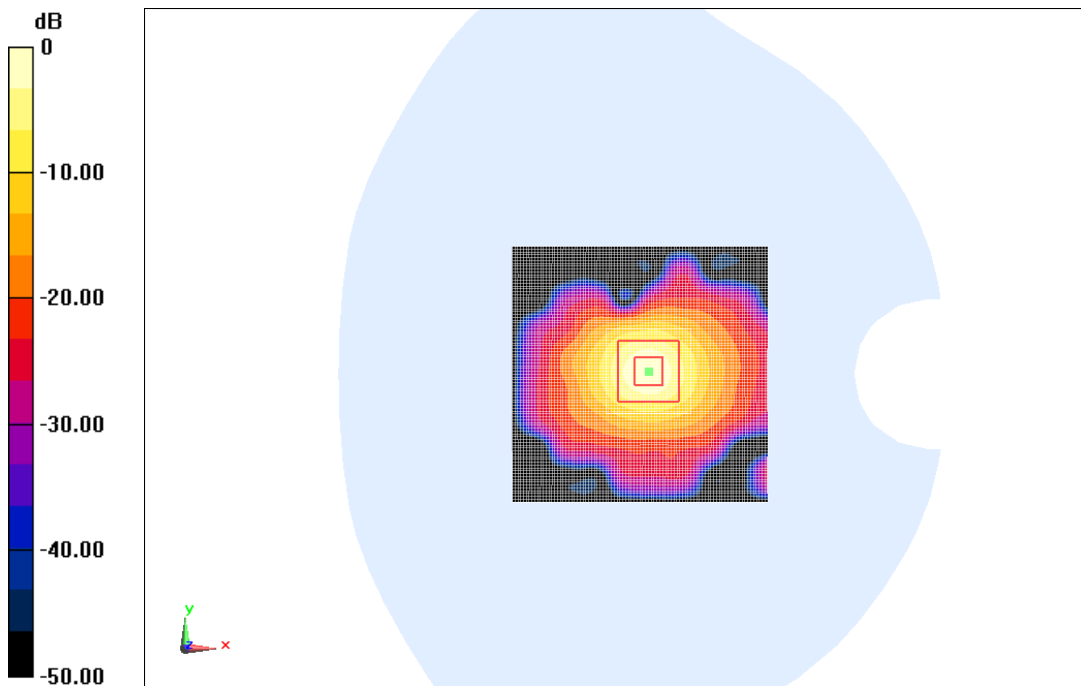
System Validation/Zoom Scan (8x8x8)/Cube0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=4\text{mm}$

Reference Value = 59.685 V/m ; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 26.5 W/kg

SAR(1 g) = 7.62 W/kg; SAR(10 g) = 2.18 W/kg

Maximum value of SAR (measured) = 9.75 W/kg



0 dB = 9.75 W/kg = 9.89 dB W/kg

Fig.L.17. Validation 5800MHz 100mW

5800MHz

Date: 2018-9-14

Electronics: DAE4 Sn786

Medium: Body 5800 MHz

Medium parameters used: $f = 5800 \text{ MHz}$; $\sigma = 6.105 \text{ S/m}$; $\epsilon_r = 47.587$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature: 23.0°C Liquid Temperature: 22.5°C

Communication System: CW Frequency: 5800 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN3633 ConvF (4.48, 4.48, 4.48);

System Validation/Area Scan (91x91x1): Interpolated grid: $dx=1.000 \text{ mm}$, $dy=1.000 \text{ mm}$

Reference Value = 60.904 V/m ; Power Drift = 0.13 dB

SAR(1 g) = 7.77 W/kg ; SAR(10 g) = 2.13 W/kg

Maximum value of SAR (interpolated) = 9.87 W/kg

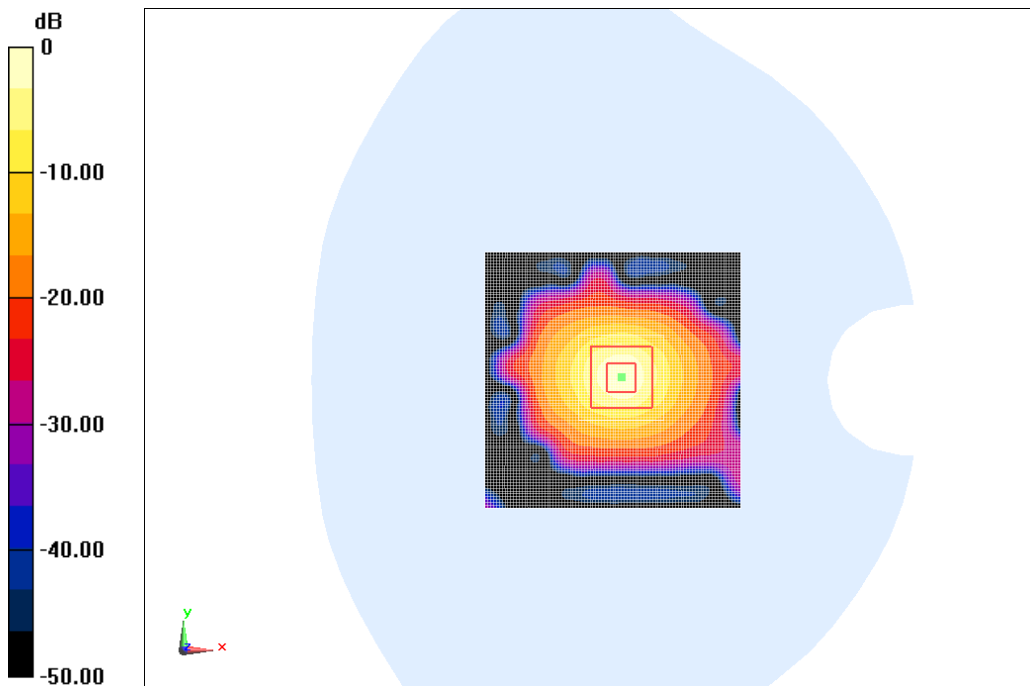
System Validation/Zoom Scan (8x8x8)/Cube0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=4\text{mm}$

Reference Value = 60.904 V/m ; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 28.6 W/kg

SAR(1 g) = 7.84 W/kg ; SAR(10 g) = 2.15 W/kg

Maximum value of SAR (measured) = 9.93 W/kg



0 dB = 9.93 W/kg = 9.97 dB W/kg

Fig.L.18. Validation 5800MHz 100mW

ANNEX M Second Spot Check Test

As the test lab for 9640 from Spectralink Corp, we, Shenzhen Academy of Information and Communications Technology, declare on our sole responsibility that, according to “Justification Letter” provided by applicant, only the Spot check test should be performed. The test results are as below.

M.1 Internal Identification of EUT used during the spot check test

EUT ID*	IMEI	HW Version	SW Version
EUT5	357023090000945	PIO	vF03

Note: Battery - NINGBO VEKEN BATTERY CO., LTD

M.2 Measurement results

SAR Values (GSM 850)

Frequency		Test Position		SAR(1g) (W/kg)		
MHz	Ch.			Spot check data		Original data
				Measured SAR	Reported SAR	
836.6	190	Head	Left Touch	0.096	0.12	0.24
836.6	190	Body	Bottom	0.174	0.21	0.31

SAR Values (GSM 1900)

Frequency		Test Position		SAR(1g) (W/kg)		
MHz	Ch.			Spot check data		Original data
				Measured SAR	Reported SAR	
1880	661	Head	Right Touch	0.180	0.20	0.25
1880	661	Body	Front	0.257	0.29	0.34

SAR Values (WCDMA 850)

Frequency		Test Position		SAR(1g) (W/kg)		
MHz	Ch.			Spot check data		Original data
				Measured SAR	Reported SAR	
836.4	4182	Head	Left Touch	0.093	0.10	0.24
836.4	4182	Body	Bottom	0.166	0.18	0.22

SAR Values (WCDMA 1900)

Frequency		Test Position		SAR(1g) (W/kg)		
MHz	Ch.			Spot check data		Original data
				Measured SAR	Reported SAR	
1880	9400	Head	Left Touch	0.583	0.61	0.61
1880	9400	Body	Front	0.517	0.54	0.58

SAR Values (WCDMA 1700)

Frequency		Test Position		SAR(1g) (W/kg)		
MHz	Ch.			Spot check data		Original data
				Measured SAR	Reported SAR	
1732.6	1413	Head	Left Touch	0.471	0.50	0.44
1732.6	1413	Body	Front	0.385	0.41	0.41

SAR Values (LTE-Band 2)

Frequency		Test Position		SAR(1g) (W/kg)		
MHz	Ch.			Spot check data		Original data
				Measured SAR	Reported SAR	
1880	18900	Head	Left Touch	0.468	0.53	0.57
1880	18900	Body	Bottom	0.352	0.40	0.54

SAR Values (LTE-Band 4)

Frequency		Test Position		SAR(1g) (W/kg)		
MHz	Ch.			Spot check data		Original data
				Measured SAR	Reported SAR	
1732.5	20175	Head	Left Touch	0.400	0.48	0.41
1732.5	20175	Body	Bottom	0.297	0.36	0.53

SAR Values (LTE-Band 5)

Frequency		Test Position		SAR(1g) (W/kg)		
MHz	Ch.			Spot check data		Original data
				Measured SAR	Reported SAR	
836.5	20525	Head	Left Touch	0.120	0.13	0.22
836.5	20525	Body	Rear	0.070	0.07	0.17

SAR Values (LTE-Band 7)

Frequency		Test Position		SAR(1g) (W/kg)		
MHz	Ch.			Spot check data		Original data
				Measured SAR	Reported SAR	
2535	21100	Head	Left Touch	0.353	0.44	0.41
2535	21100	Body	Front	0.595	0.74	0.87

SAR Values (LTE-Band 12)

Frequency		Test Position		SAR(1g) (W/kg)		
MHz	Ch.			Spot check data		Original data
				Measured SAR	Reported SAR	
707.5	23095	Head	Left Touch	0.095	0.10	0.12
707.5	23095	Body	Rear	0.056	0.06	0.15

SAR Values (LTE-Band 13)

Frequency		Test Position		SAR(1g) (W/kg)		
MHz	Ch.			Spot check data		Original data
				Measured SAR	Reported SAR	
782	23230	Head	Left Touch	0.044	0.05	0.12
782	23230	Body	Rear	0.134	0.15	0.14

SAR Values (LTE-Band 25)

Frequency		Test Position		SAR(1g) (W/kg)		
MHz	Ch.			Spot check data		Original data
				Measured SAR	Reported SAR	
1882.5	26365	Head	Left Touch	0.468	0.50	0.53
1882.5	26365	Body	Bottom	0.349	0.38	0.49

SAR Values (LTE-Band 26)

Frequency		Test Position		SAR(1g) (W/kg)		
MHz	Ch.			Spot check data		Original data
				Measured SAR	Reported SAR	
831.5	26865	Head	Right Touch	0.098	0.11	0.24
831.5	26865	Body	Rear	0.075	0.09	0.19

SAR Values (LTE-Band 38)

Frequency		Test Position		SAR(1g) (W/kg)		
MHz	Ch.			Spot check data		Original data
				Measured SAR	Reported SAR	
2595	38000	Head	Left Touch	0.264	0.30	0.26
2595	38000	Body	Front	0.488	0.55	0.57

SAR Values (LTE-Band 66)

Frequency		Test Position		SAR(1g) (W/kg)		
MHz	Ch.			Spot check data		Original data
				Measured SAR	Reported SAR	
1745	132322	Head	Left Touch	0.415	0.48	0.41
1745	132322	Body	Front	0.324	0.37	0.51

SAR Values (WLAN 2.4G)

Frequency		Test Position		SAR(1g) (W/kg)		
MHz	Ch.			Spot check data		Original data
				Measured SAR	Reported SAR	
Main antenna						
2437	6	Head	Left Touch	0.571	0.66	0.60
2437	6	Body	Rear	0.182	0.21	0.25
Second antenna						
2462	11	Head	Right Touch	0.602	0.67	0.61
2462	11	Body	Rear	0.204	0.23	0.19
MIMO						
2412	1	Head	Left Touch	0.220	0.26	0.25
2412	1	Body	Rear	0.075	0.09	0.11

SAR Values (WLAN 5G)

Frequency		Test Position		SAR(1g) (W/kg)		
MHz	Ch.			Spot check data		Original data
				Measured SAR	Reported SAR	
Main antenna						
5260	52	Head	Right Tilt	0.241	0.32	0.61
5260	52	Body	Rear	0.091	0.12	0.09
Second antenna						
5280	56	Head	Right Tilt	0.419	0.51	0.76
5280	56	Body	Top	0.079	0.10	0.12
MIMO						
5260	52	Head	Right Tilt	0.503	0.73	0.92
5260	52	Body	Top	0.103	0.15	0.17

M.3 Graph Results for Spot Check

GSM850 Head

Date: 2019-1-23

Electronics: DAE4 Sn1527

Medium: Head 835 MHz

Medium parameters used (interpolated): $f = 836.6$ MHz; $\sigma = 0.886$ S/m; $\epsilon_r = 41.352$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.0°C Liquid Temperature: 21.5°C

Communication System: UID 0, GSM (0) Frequency: 836.6 MHz Duty Cycle: 1:8.3

Probe: EX3DV4 – SN3633 ConvF (9.33, 9.33, 9.33);

Left Cheek Middle/Area Scan (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

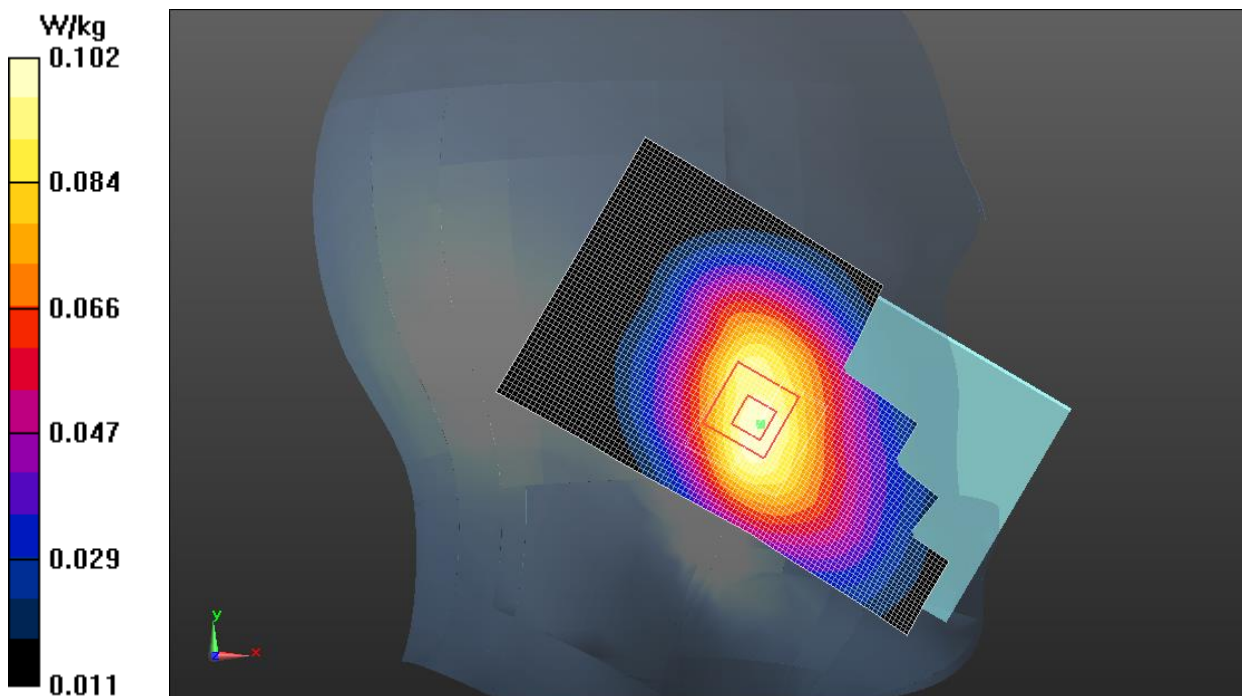
Left Cheek Middle/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.138 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.124 W/kg

SAR(1 g) = 0.096 W/kg; SAR(10 g) = 0.071 W/kg

Maximum value of SAR (measured) = 0.102 W/kg



GSM850 Body

Date: 2019-1-23

Electronics: DAE4 Sn1527

Medium: Body 835 MHz

Medium parameters used (interpolated): $f = 836.6$ MHz; $\sigma = 0.99$ S/m; $\epsilon_r = 54.071$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.0°C Liquid Temperature: 21.5°C

Communication System: UID 0, GPRS 2Txslot (0) Frequency: 836.6 MHz Duty Cycle: 1:4

Probe: EX3DV4 – SN3633 ConvF (9.69, 9.69, 9.69);

Bottom Side Middle/Area Scan (51x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

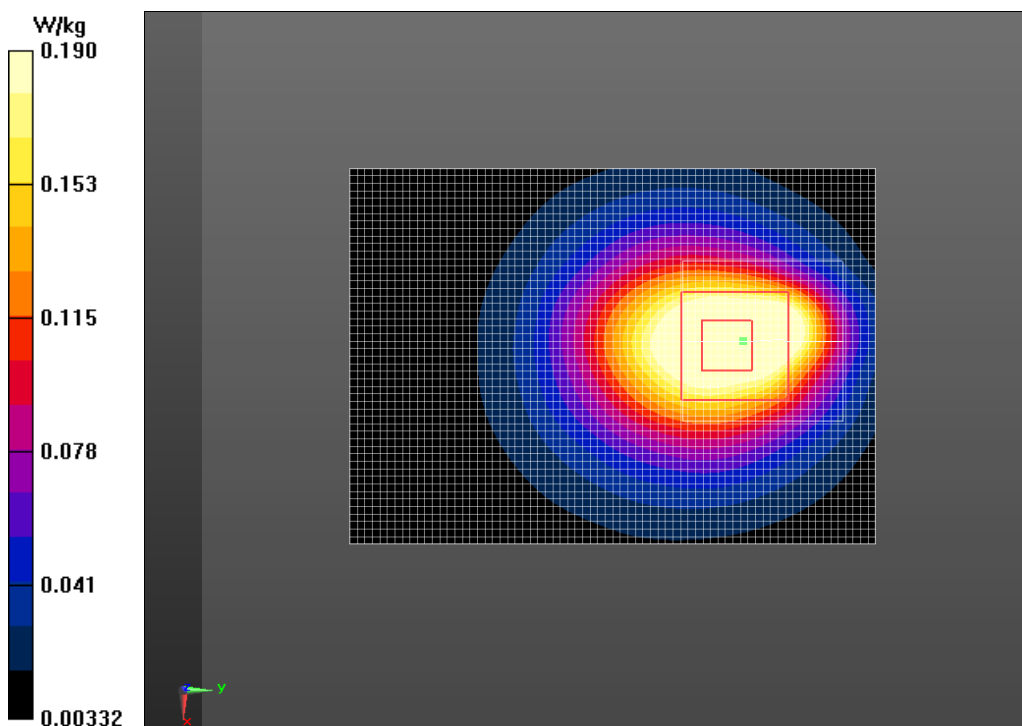
Bottom Side Middle/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.65 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.289 W/kg

SAR(1 g) = 0.174 W/kg; SAR(10 g) = 0.103 W/kg

Maximum value of SAR (measured) = 0.190 W/kg



GSM1900 Head

Date: 2019-1-24

Electronics: DAE4 Sn1527

Medium: Head 1900 MHz

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.364$ S/m; $\epsilon_r = 40.702$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.0°C Liquid Temperature: 21.5°C

Communication System: UID 0, GSM (0) Frequency: 1880 MHz Duty Cycle: 1:8.3

Probe: EX3DV4 – SN3633 ConvF (7.81, 7.81, 7.81);

Right Cheek Middle/Area Scan (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.182 W/kg

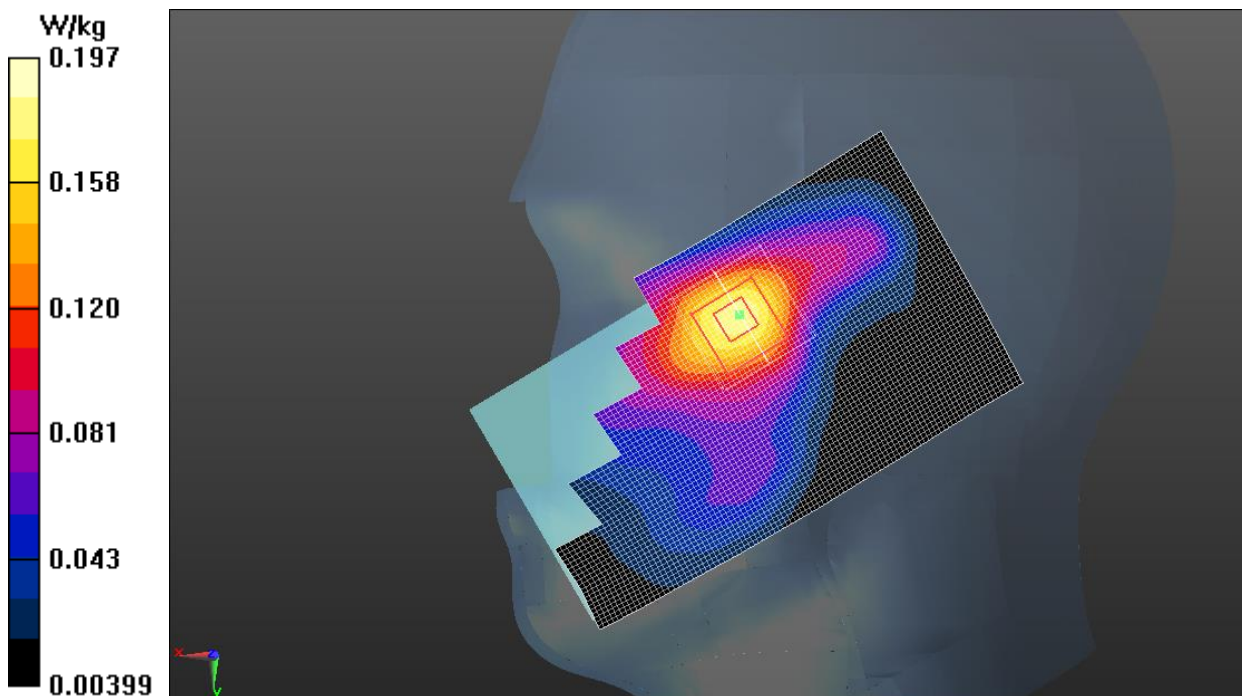
Right Cheek Middle/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.885 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.285 W/kg

SAR(1 g) = 0.180 W/kg; SAR(10 g) = 0.109 W/kg

Maximum value of SAR (measured) = 0.197 W/kg



GSM1900 Body

Date: 2019-1-24

Electronics: DAE4 Sn1527

Medium: Body 1900 MHz

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.527$ S/m; $\epsilon_r = 52.992$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.0°C Liquid Temperature: 21.5°C

Communication System: UID 0, GPRS 2Txslot (0) Frequency: 1880 MHz Duty Cycle: 1:4

Probe: EX3DV4 – SN3633 ConvF (7.75, 7.75, 7.75);

Front Side Middle/Area Scan (111x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

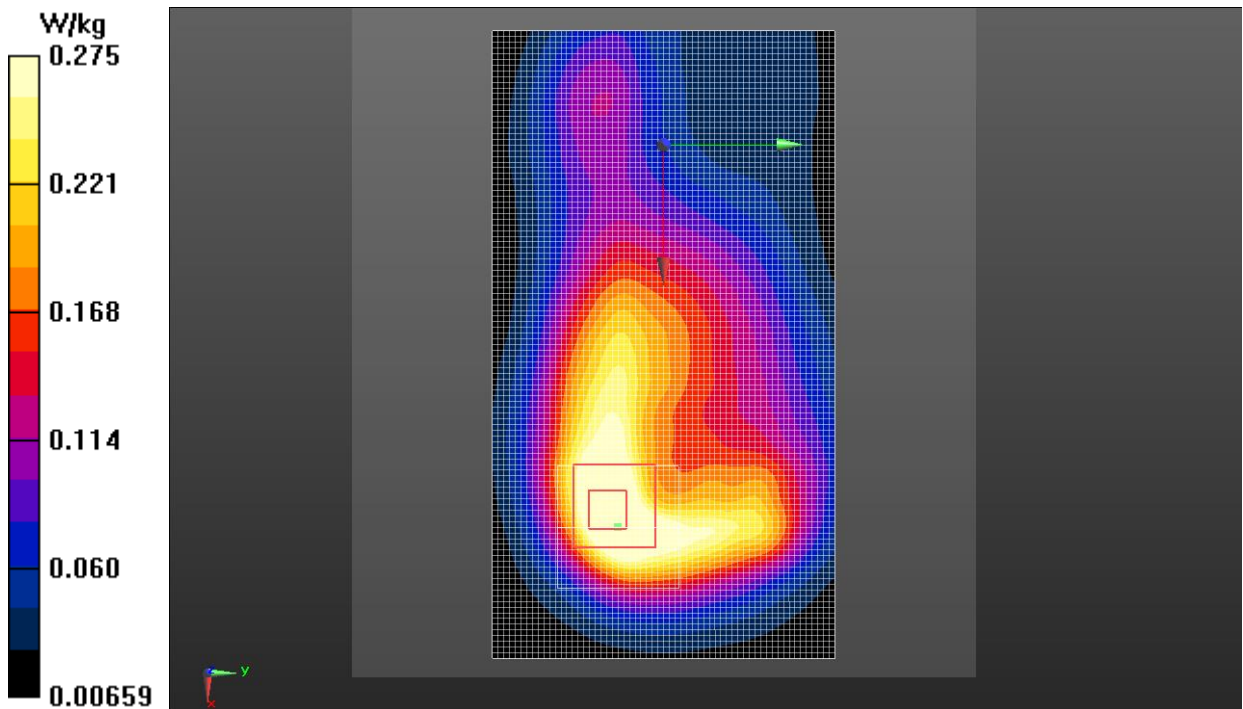
Front Side Side Middle/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.077 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.438 W/kg

SAR(1 g) = 0.257 W/kg; SAR(10 g) = 0.149 W/kg

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



WCDMA 850 Head

Date: 2019-1-23

Electronics: DAE4 Sn1527

Medium: Head 835 MHz

Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 0.886$ S/m; $\epsilon_r = 41.354$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.0°C Liquid Temperature: 21.5°C

Communication System: UID 0, WCDMA (0) Frequency: 836.4 MHz Duty Cycle: 1:1

Probe: EX3DV4 – SN3633 ConvF (9.33, 9.33, 9.33);

Left Cheek Middle/Area Scan (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.0993 W/kg

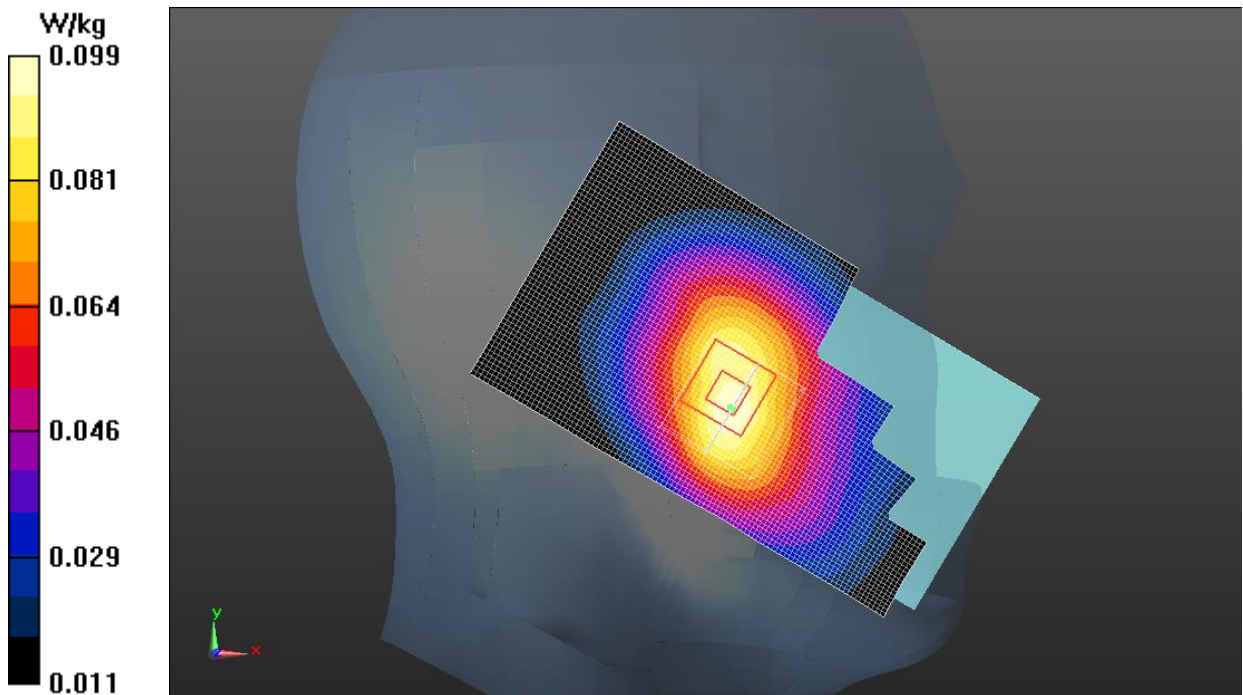
Left Cheek Middle/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.604 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.122 W/kg

SAR(1 g) = 0.093 W/kg; SAR(10 g) = 0.068 W/kg

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



WCDMA 850 Body

Date: 2019-1-23

Electronics: DAE4 Sn1527

Medium: Body 835 MHz

Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 0.99$ S/m; $\epsilon_r = 54.073$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.0°C Liquid Temperature: 21.5°C

Communication System: UID 0, WCDMA (0) Frequency: 836.4 MHz Duty Cycle: 1:1

Probe: EX3DV4 – SN3633 ConvF (9.69, 9.69, 9.69);

Bottom Side Middle/Area Scan (51x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.226 W/kg

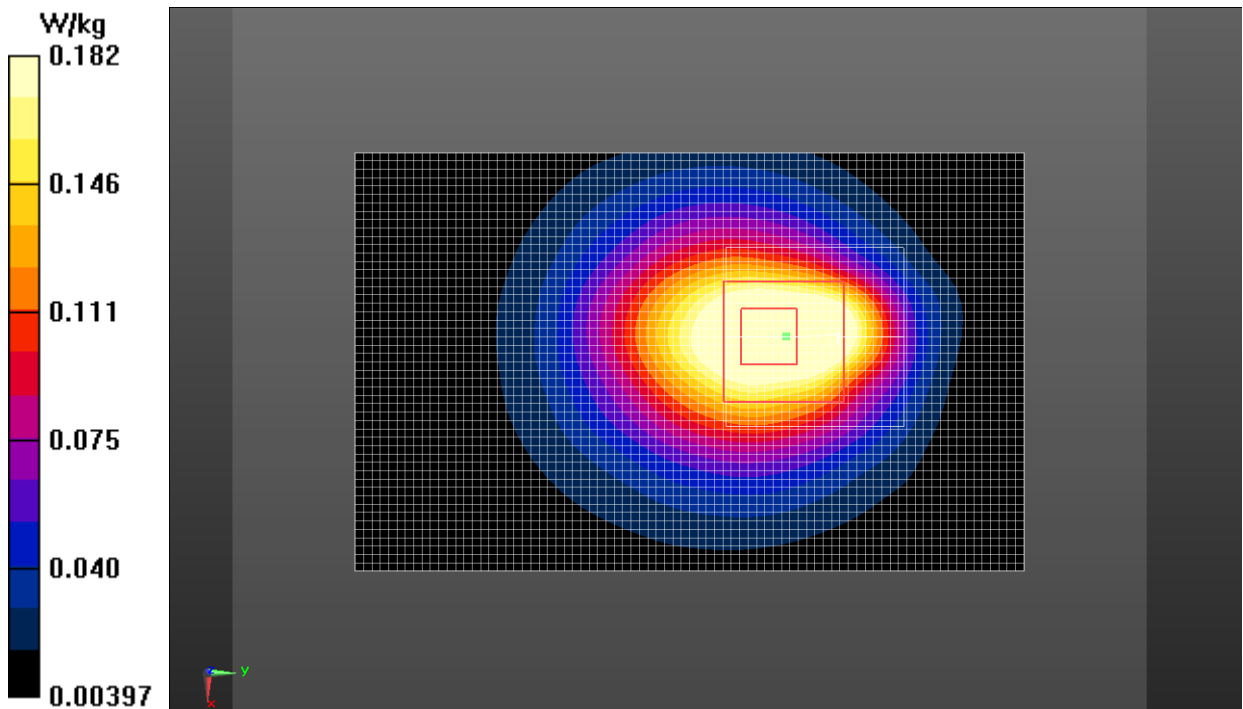
Bottom Side Middle/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.98 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.274 W/kg

SAR(1 g) = 0.166 W/kg; SAR(10 g) = 0.098 W/kg

Maximum value of SAR (measured) = 0.182 W/kg



WCDMA 1900 Head

Date: 2019-1-24

Electronics: DAE4 Sn1527

Medium: Head 1900 MHz

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.364$ S/m; $\epsilon_r = 40.702$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.0°C Liquid Temperature: 21.5°C

Communication System: UID 0, WCDMA (0) Frequency: 1880 MHz Duty Cycle: 1:1

Probe: EX3DV4 – SN3633 ConvF (7.81, 7.81, 7.81);

Left Cheek Middle/Area Scan (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.656 W/kg

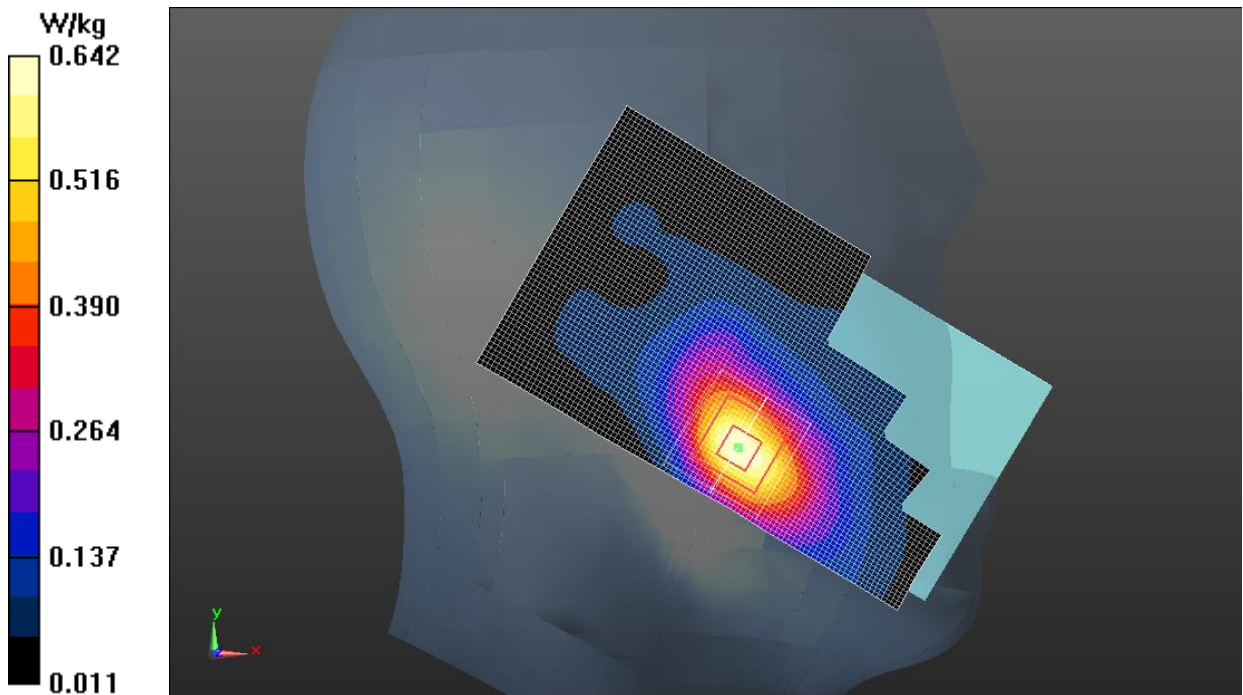
Left Cheek Middle/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.582 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.949 W/kg

SAR(1 g) = 0.583 W/kg; SAR(10 g) = 0.342 W/kg

Maximum value of SAR (measured) = 0.642 W/kg



WCDMA 1900 Body

Date: 2019-1-24

Electronics: DAE4 Sn1527

Medium: Body 1900 MHz

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.527$ S/m; $\epsilon_r = 52.992$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.0°C Liquid Temperature: 21.5°C

Communication System: UID 0, WCDMA (0) Frequency: 1880 MHz Duty Cycle: 1:1

Probe: EX3DV4 – SN3633 ConvF (7.75, 7.75, 7.75);

Front Side Middle/Area Scan (111x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.732 W/kg

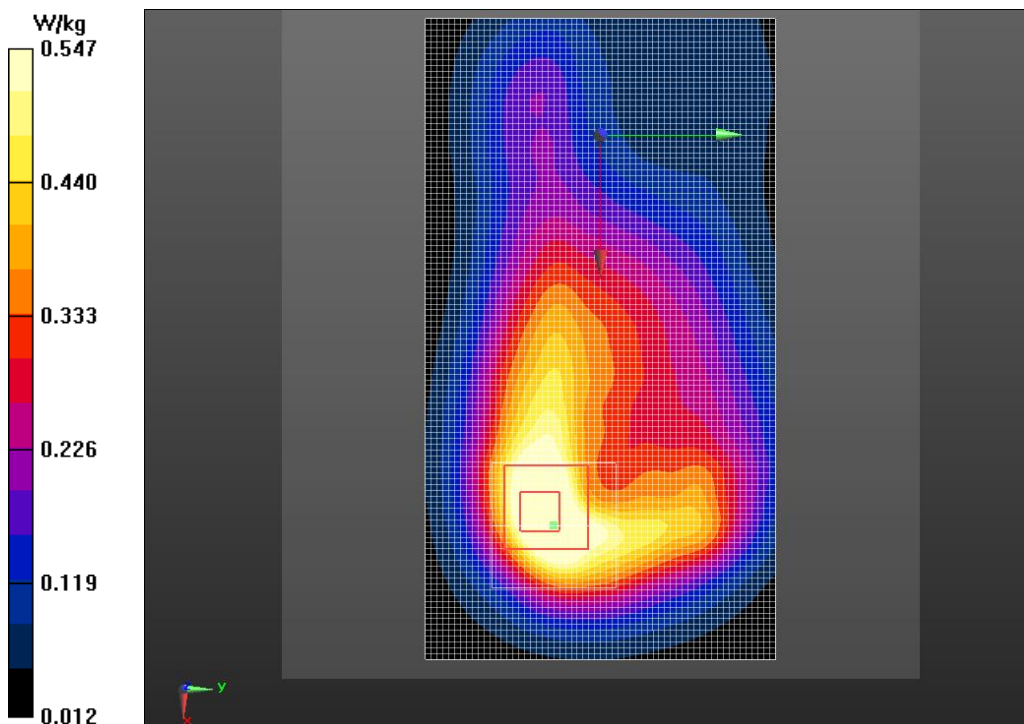
Front Side Middle/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.905 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.893 W/kg

SAR(1 g) = 0.517 W/kg; SAR(10 g) = 0.295 W/kg

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



WCDMA 1700 Head

Date: 2019-1-24

Electronics: DAE4 Sn1527

Medium: Head 1750 MHz

Medium parameters used (interpolated): $f = 1732.6$ MHz; $\sigma = 1.342$ S/m; $\epsilon_r = 39.731$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.0°C Liquid Temperature: 21.5°C

Communication System: UID 0, WCDMA (0) Frequency: 1732.6 MHz Duty Cycle: 1:1

Probe: EX3DV4 – SN3633 ConvF (8.12, 8.12, 8.12);

Left Cheek Middle/Area Scan (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

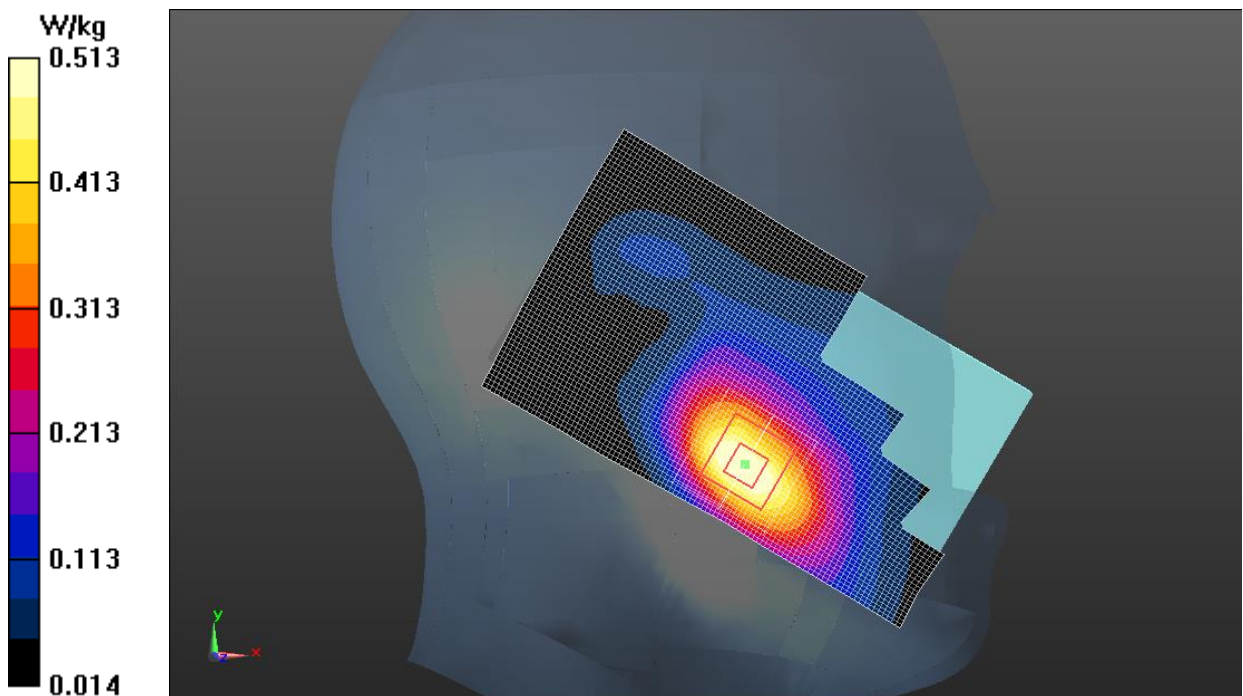
Left Cheek Middle/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.187 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.733 W/kg

SAR(1 g) = 0.471 W/kg; SAR(10 g) = 0.292 W/kg

Maximum value of SAR (measured) = 0.513 W/kg



WCDMA 1700 Body

Date: 2019-1-24

Electronics: DAE4 Sn1527

Medium: Body 1750 MHz

Medium parameters used (interpolated): $f = 1732.6$ MHz; $\sigma = 1.438$ S/m; $\epsilon_r = 53.427$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.0°C Liquid Temperature: 21.5°C

Communication System: UID 0, WCDMA (0) Frequency: 1732.6 MHz Duty Cycle: 1:1

Probe: EX3DV4 – SN3633 ConvF (8.05, 8.05, 8.05);

Front Side Middle/Area Scan (111x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

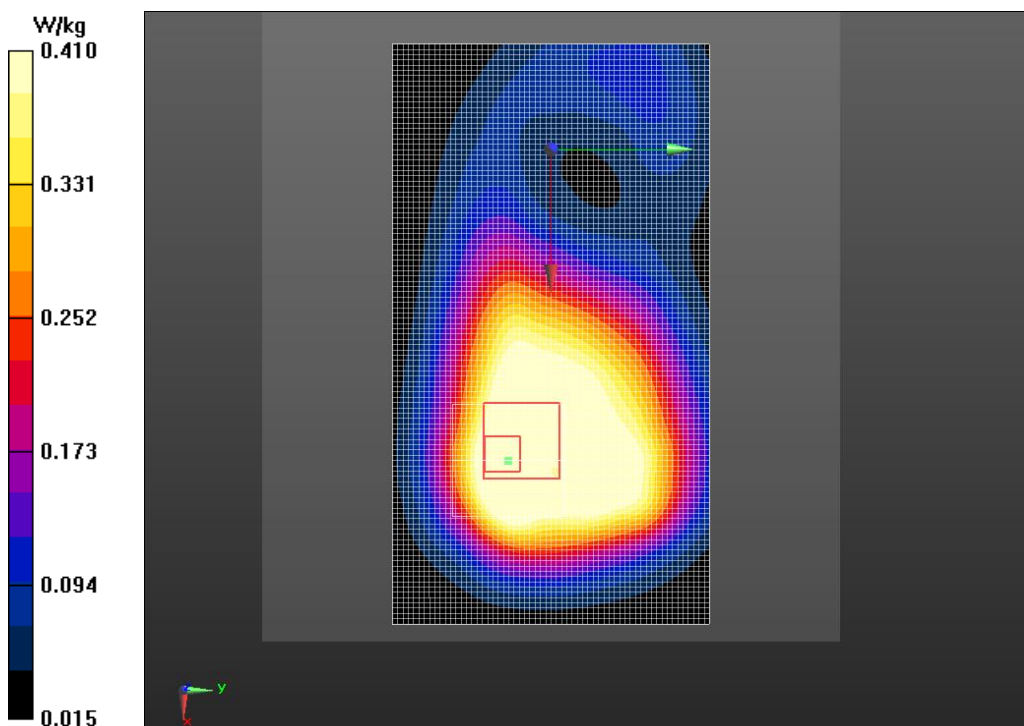
Front Side Middle/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.671 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.617 W/kg

SAR(1 g) = 0.385 W/kg; SAR(10 g) = 0.248 W/kg

Maximum value of SAR (measured) = 0.410 W/kg



LTE Band 2 Head

Date: 2019-1-24

Electronics: DAE4 Sn1527

Medium: Head 1900 MHz

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.364$ S/m; $\epsilon_r = 40.702$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.0°C Liquid Temperature: 21.5°C

Communication System: UID 0, LTE_FDD (0) Frequency: 1880 MHz Duty Cycle: 1:1

Probe: EX3DV4 – SN3633 ConvF (7.81, 7.81, 7.81);

Left Cheek Mid 1RB_Low/Area Scan (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.517 W/kg

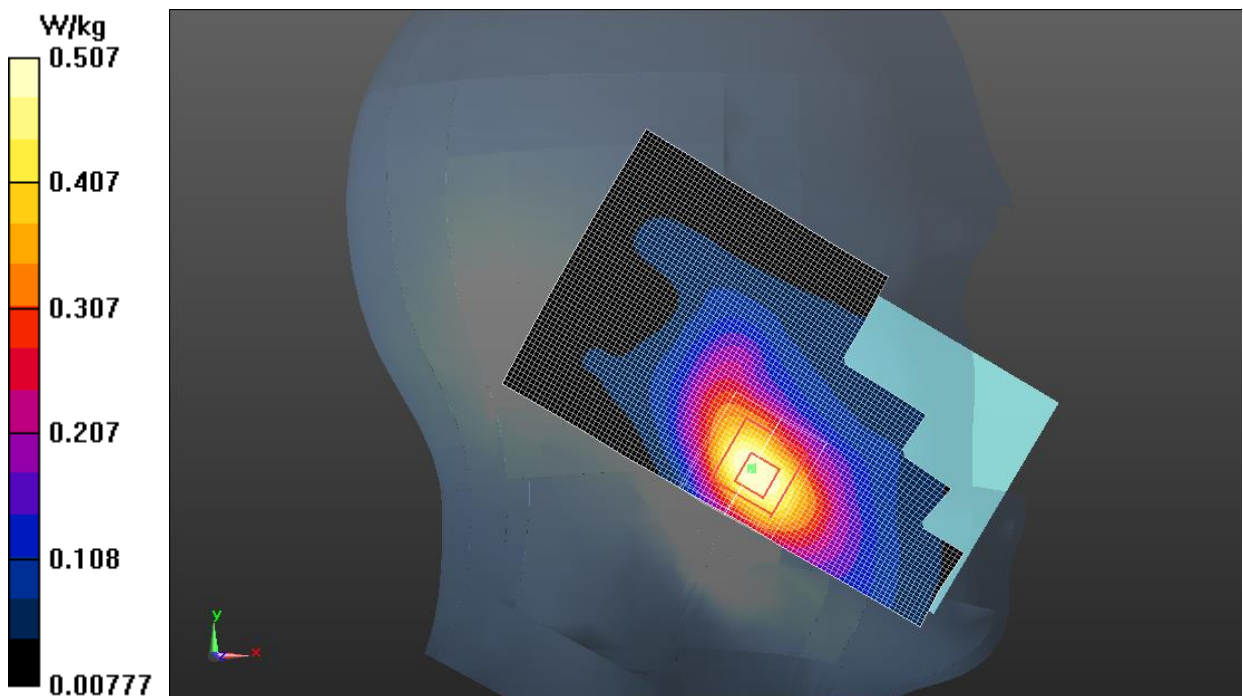
Left Cheek Mid 1RB_Low/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.714 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 0.750 W/kg

SAR(1 g) = 0.468 W/kg; SAR(10 g) = 0.281 W/kg

Maximum value of SAR (measured) = 0.507 W/kg



LTE Band 2 Body

Date: 2019-1-24

Electronics: DAE4 Sn1527

Medium: Body 1900 MHz

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.527$ S/m; $\epsilon_r = 52.992$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.0°C Liquid Temperature: 21.5°C

Communication System: UID 0, LTE_FDD (0) Frequency: 1880 MHz Duty Cycle: 1:1

Probe: EX3DV4 – SN3633 ConvF (7.75, 7.75, 7.75);

Bottom Side Mid 1RB_Low/Area Scan (61x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.481 W/kg

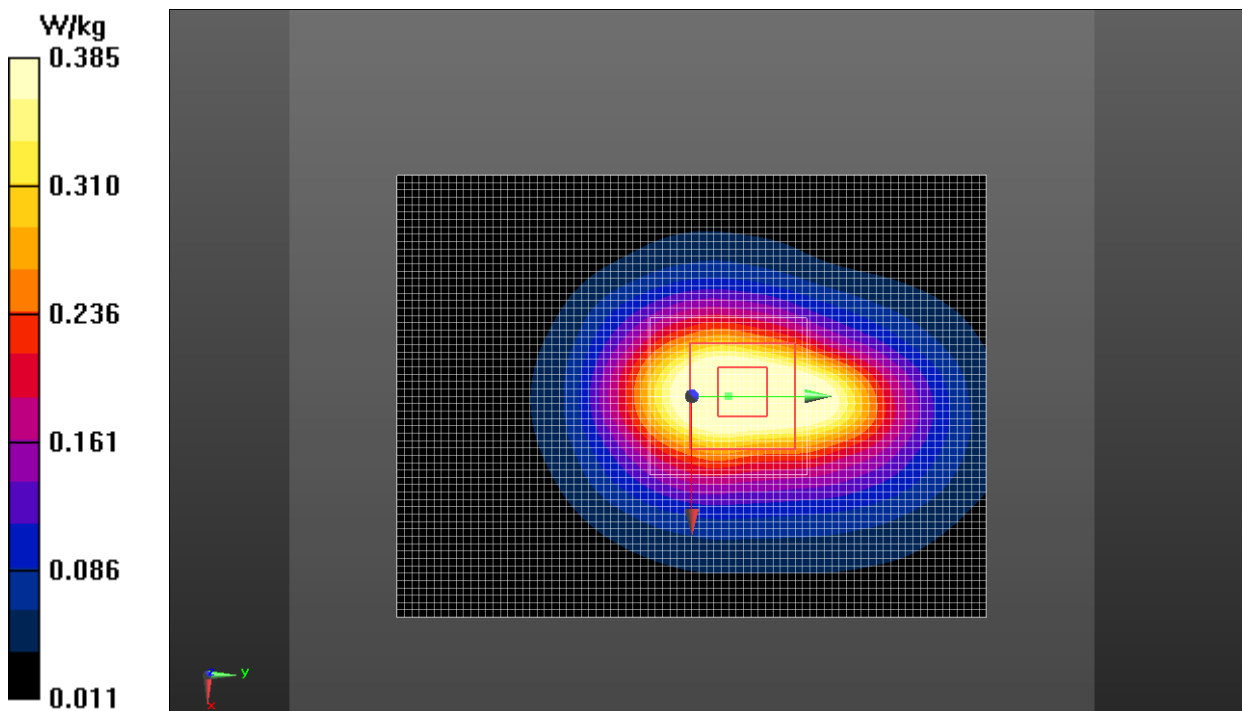
Bottom Side Mid 1RB_Low/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.00 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.570 W/kg

SAR(1 g) = 0.352 W/kg; SAR(10 g) = 0.205 W/kg

Maximum value of SAR (measured) = 0.385 W/kg



LTE Band 4 Head

Date: 2019-1-24

Electronics: DAE4 Sn1527

Medium: Head 1750 MHz

Medium parameters used (interpolated): $f = 1732.5$ MHz; $\sigma = 1.342$ S/m; $\epsilon_r = 39.732$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.0°C Liquid Temperature: 21.5°C

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

Probe: EX3DV4 – SN3633 ConvF (8.12, 8.12, 8.12);

Left Cheek Mid 1RB_Low/Area Scan (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.445 W/kg

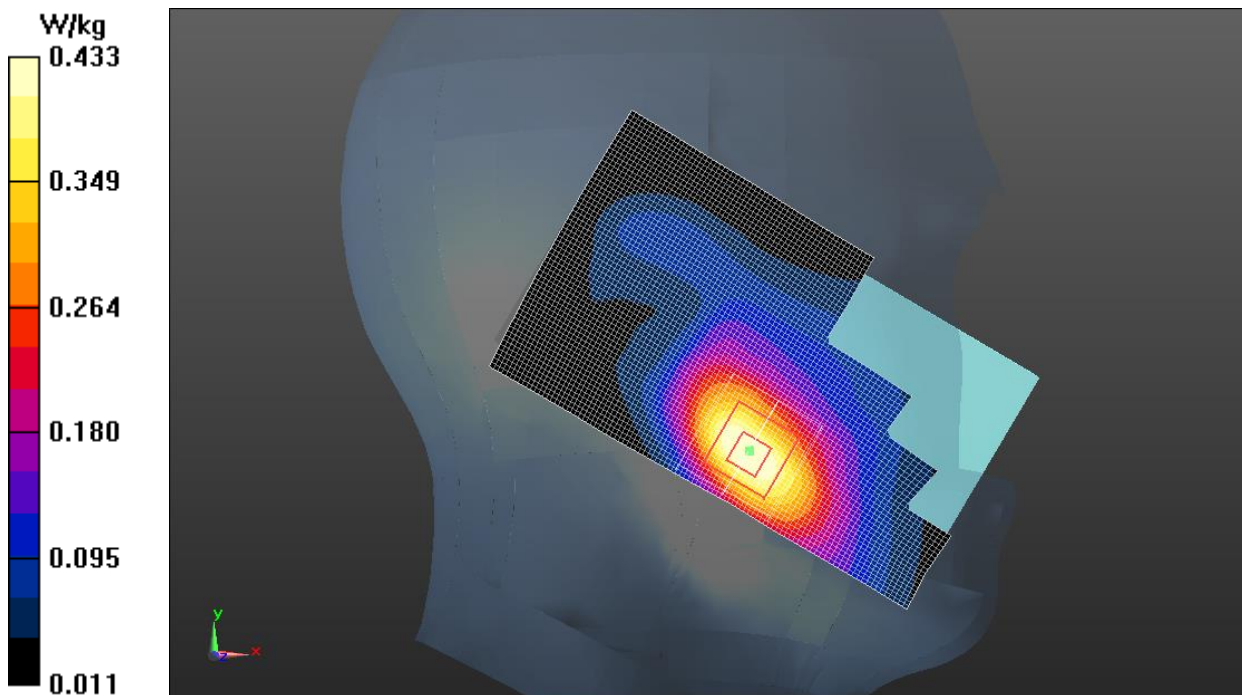
Left Cheek Mid 1RB_Low/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.089 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.612 W/kg

SAR(1 g) = 0.400 W/kg; SAR(10 g) = 0.252 W/kg

Maximum value of SAR (measured) = 0.433 W/kg



LTE Band 4 Body

Date: 2019-1-24

Electronics: DAE4 Sn1527

Medium: Body 1750 MHz

Medium parameters used (interpolated): $f = 1732.5$ MHz; $\sigma = 1.438$ S/m; $\epsilon_r = 53.428$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.0°C Liquid Temperature: 21.5°C

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

Probe: EX3DV4 – SN3633 ConvF (8.05, 8.05, 8.05);

Bottom Side Mid 1RB_Low/Area Scan (61x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

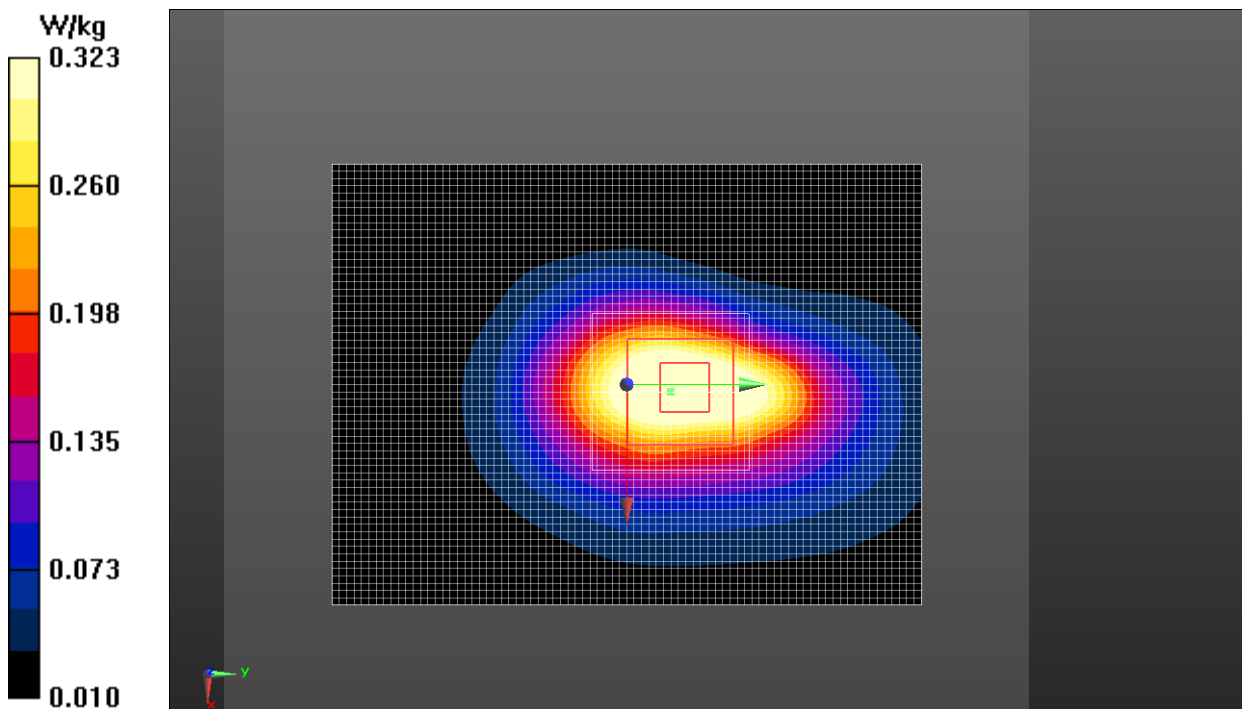
Bottom Side Mid 1RB_Low/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.29 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.474 W/kg

SAR(1 g) = 0.297 W/kg; SAR(10 g) = 0.175 W/kg

Maximum value of SAR (measured) = 0.323 W/kg



LTE Band 5 Head

Date: 2019-1-23

Electronics: DAE4 Sn1527

Medium: Head 835 MHz

Medium parameters used (interpolated): $f = 836.5$ MHz; $\sigma = 0.886$ S/m; $\epsilon_r = 41.353$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.0°C Liquid Temperature: 21.5°C

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

Probe: EX3DV4 – SN3633 ConvF (9.33, 9.33, 9.33);

Right Cheek Mid 1RB_Mid/Area Scan (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

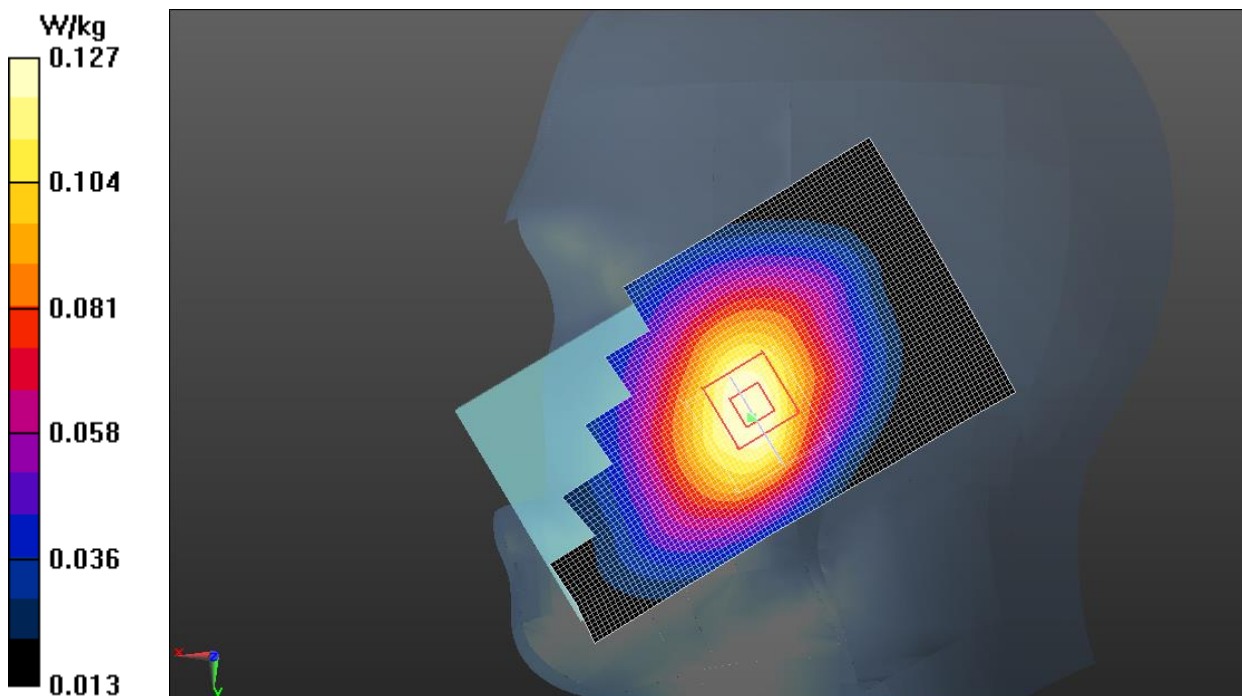
Right Cheek Mid 1RB_Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.092 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.153 W/kg

SAR(1 g) = 0.120 W/kg; SAR(10 g) = 0.088 W/kg

Maximum value of SAR (measured) = 0.127 W/kg



LTE Band 5 Body

Date: 2019-1-23

Electronics: DAE4 Sn1527

Medium: Body 835 MHz

Medium parameters used (interpolated): $f = 836.5$ MHz; $\sigma = 0.99$ S/m; $\epsilon_r = 54.072$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.0°C Liquid Temperature: 21.5°C

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

Probe: EX3DV4 – SN3633 ConvF (9.69, 9.69, 9.69);

Rear Side Mid 1RB_Mid/Area Scan (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.0867 W/kg

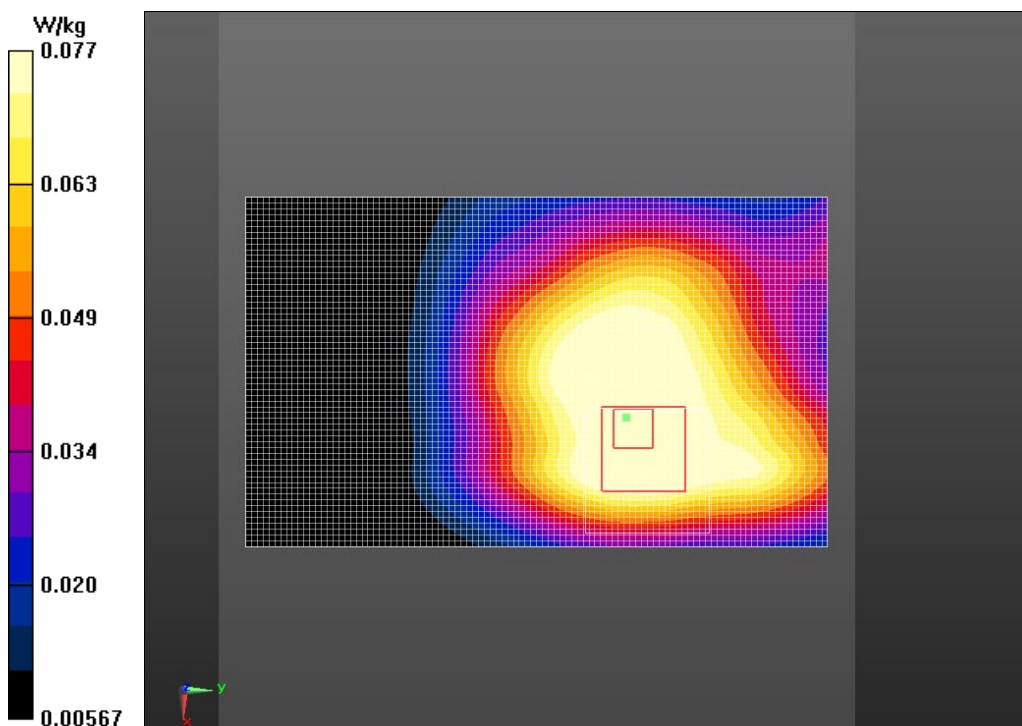
Rear Side Mid 1RB_Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.782 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.0950 W/kg

SAR(1 g) = 0.070 W/kg; SAR(10 g) = 0.047 W/kg

Maximum value of SAR (measured) = 0.0773 W/kg



LTE Band 7 Head

Date: 2019-1-24

Electronics: DAE4 Sn1527

Medium: Head 2550 MHz

Medium parameters used (interpolated): $f = 2535$ MHz; $\sigma = 1.954$ S/m; $\epsilon_r = 38.417$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.0°C Liquid Temperature: 21.5°C

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

Probe: EX3DV4 – SN3633 ConvF (7.28, 7.28, 7.28);

Left Cheek Mid 1RB_High/Area Scan (61x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

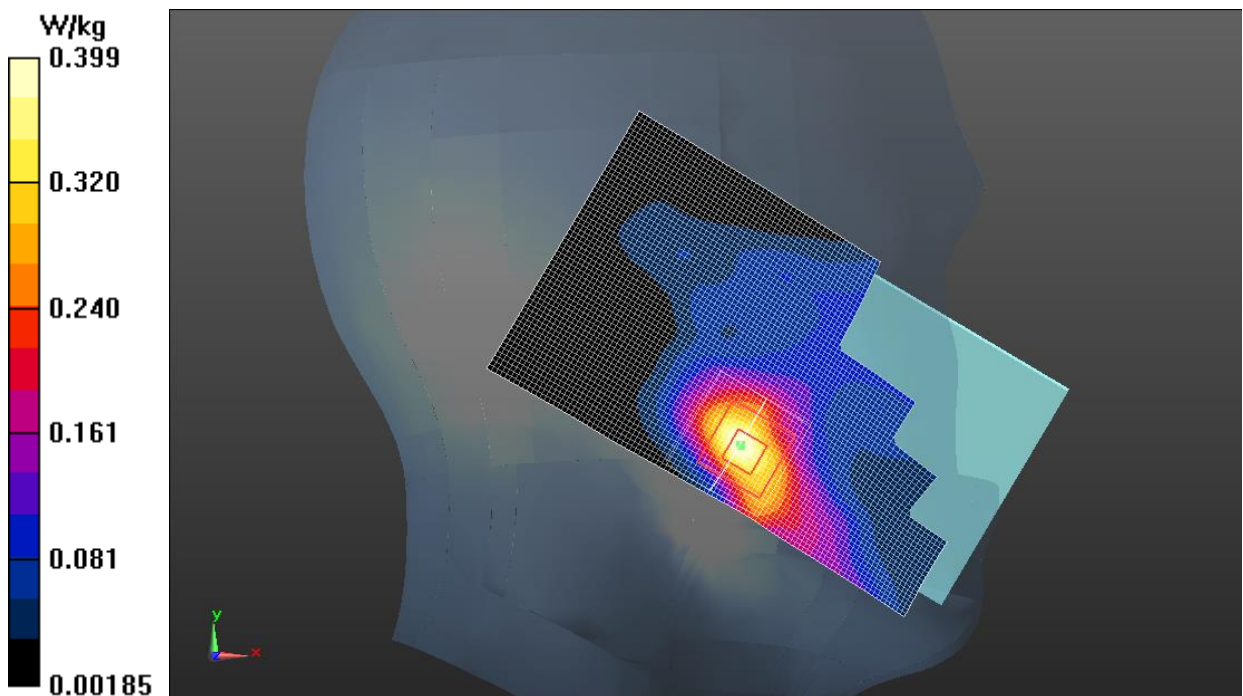
Left Cheek Mid 1RB_High/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.275 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.682 W/kg

SAR(1 g) = 0.353 W/kg; SAR(10 g) = 0.179 W/kg

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



LTE Band 7 Body

Date: 2019-1-24

Electronics: DAE4 Sn1527

Medium: Body 2550 MHz

Medium parameters used (interpolated): $f = 2535$ MHz; $\sigma = 2.034$ S/m; $\epsilon_r = 53.265$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.0°C Liquid Temperature: 21.5°C

Communication System: UID 0, 4G_LTE_FDD (0) Frequency: 2535 MHz Duty Cycle: 1:1

Probe: EX3DV4 – SN3633 ConvF (7.31, 7.31, 7.31);

Front Side Mid 1RB_High/Area Scan (61x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.854 W/kg

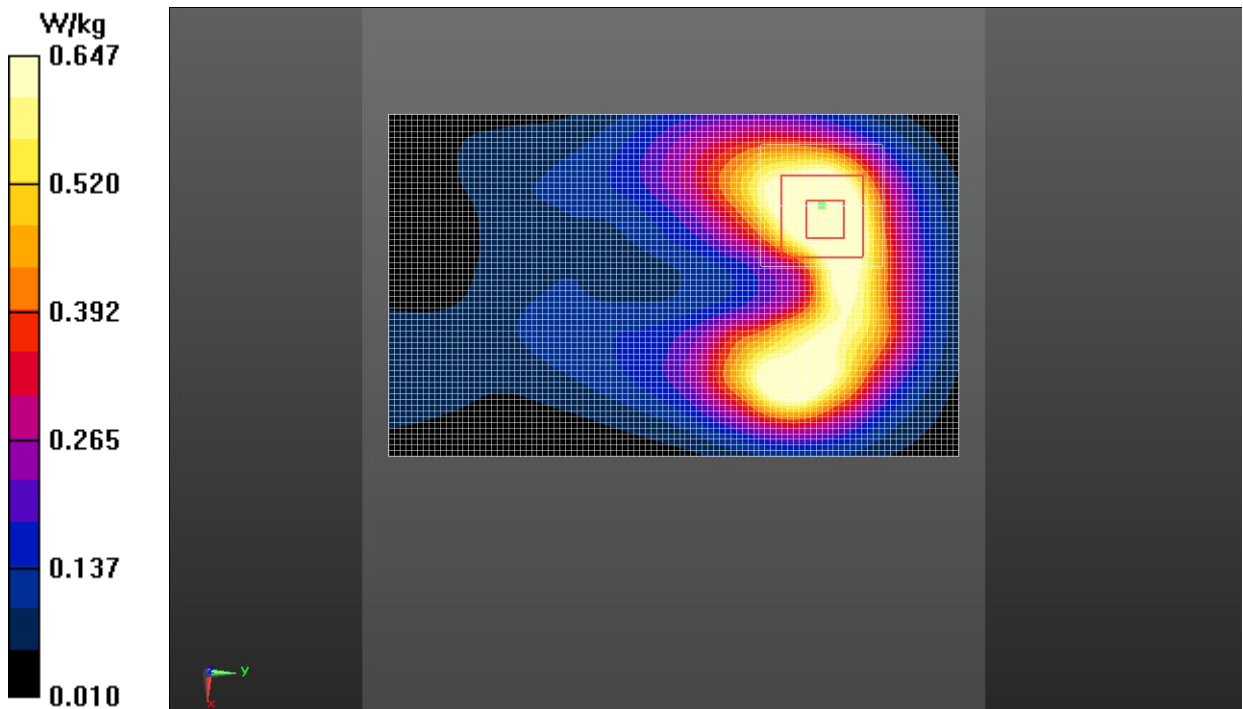
Front Side Mid 1RB_High/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 11.36 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.05 W/kg

SAR(1 g) = 0.595 W/kg; SAR(10 g) = 0.335 W/kg

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



LTE Band 12 Head

Date: 2019-1-23

Electronics: DAE4 Sn1527

Medium: Head 750 MHz

Medium parameters used (interpolated): $f = 707.5$ MHz; $\sigma = 0.872$ S/m; $\epsilon_r = 42.446$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.0°C Liquid Temperature: 21.5°C

Communication System: UID 0, LTE_FDD (0) Frequency: 707.5 MHz Duty Cycle: 1:1

Probe: EX3DV4 – SN3633 ConvF (9.33, 9.33, 9.33);

Left Cheek Mid 1RB_Mid/Area Scan (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

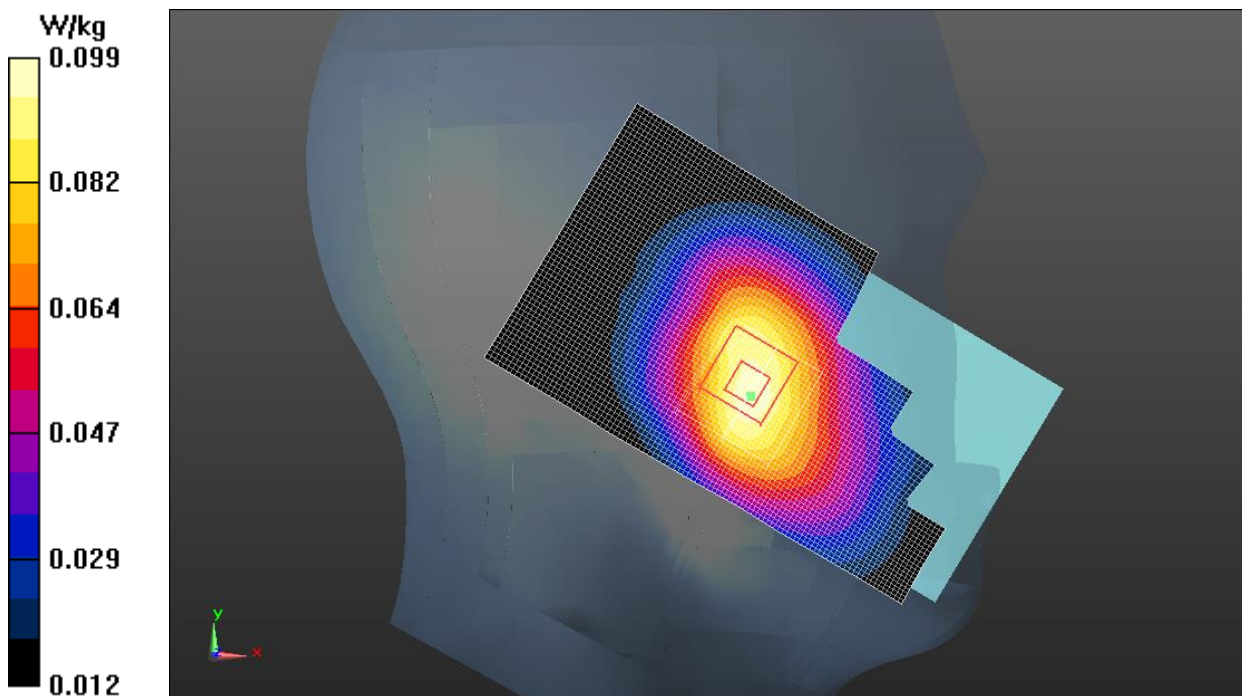
Left Cheek Mid 1RB_Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.873 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.120 W/kg

SAR(1 g) = 0.095 W/kg; SAR(10 g) = 0.072 W/kg

Maximum value of SAR (measured) = 0.0992 W/kg



LTE Band 12 Body

Date: 2019-1-23

Electronics: DAE4 Sn1527

Medium: Body 750 MHz

Medium parameters used (interpolated): $f = 707.5$ MHz; $\sigma = 0.921$ S/m; $\epsilon_r = 54.081$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.0°C Liquid Temperature: 21.5°C

Communication System: UID 0, LTE_FDD (0) Frequency: 707.5 MHz Duty Cycle: 1:1

Probe: EX3DV4 – SN3633 ConvF (9.69, 9.69, 9.69);

Rear Side Mid 1RB_Mid/Area Scan (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

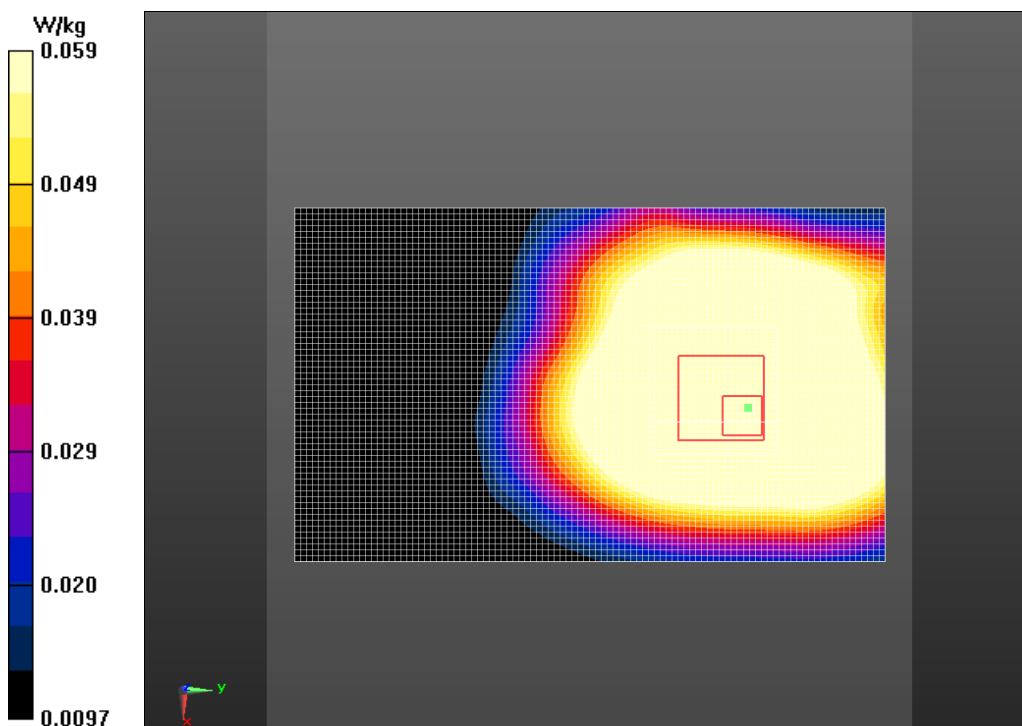
Rear Side Mid 1RB_Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.364 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.0710 W/kg

SAR(1 g) = 0.056 W/kg; SAR(10 g) = 0.043 W/kg

Maximum value of SAR (measured) = 0.0587 W/kg



LTE Band 13 Head

Date: 2019-1-23

Electronics: DAE4 Sn1527

Medium: Head 750 MHz

Medium parameters used: $f = 782 \text{ MHz}$; $\sigma = 0.940 \text{ S/m}$; $\epsilon_r = 41.412$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature: 22.0°C Liquid Temperature: 21.5°C

Communication System: UID 0, LTE_FDD (0) Frequency: 782 MHz Duty Cycle: 1:1

Probe: EX3DV4 – SN3633 ConvF (9.33, 9.33, 9.33);

Left Cheek Mid 1RB_Mid/Area Scan (61x101x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.0456 W/kg

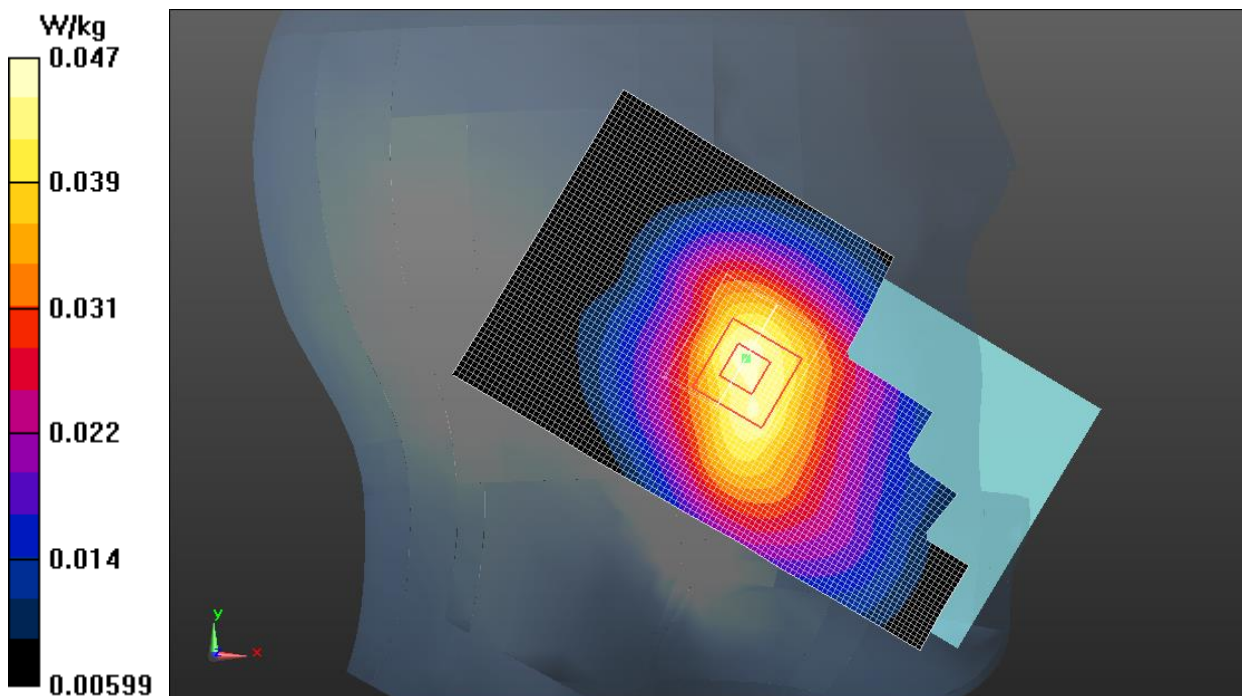
Left Cheek Mid 1RB_Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 2.217 V/m ; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.0570 W/kg

SAR(1 g) = 0.044 W/kg ; SAR(10 g) = 0.033 W/kg

Maximum value of SAR (measured) = 0.0471 W/kg



LTE Band 13 Body

Date: 2019-1-23

Electronics: DAE4 Sn1527

Medium: Body 750 MHz

Medium parameters used: $f = 782 \text{ MHz}$; $\sigma = 0.993 \text{ S/m}$; $\epsilon_r = 53.25$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature: 22.0°C Liquid Temperature: 21.5°C

Communication System: UID 0, LTE_FDD (0) Frequency: 782 MHz Duty Cycle: 1:1

Probe: EX3DV4 – SN3633 ConvF (9.69, 9.69, 9.69);

Rear Side Mid 1RB_Mid/Area Scan (61x101x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

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

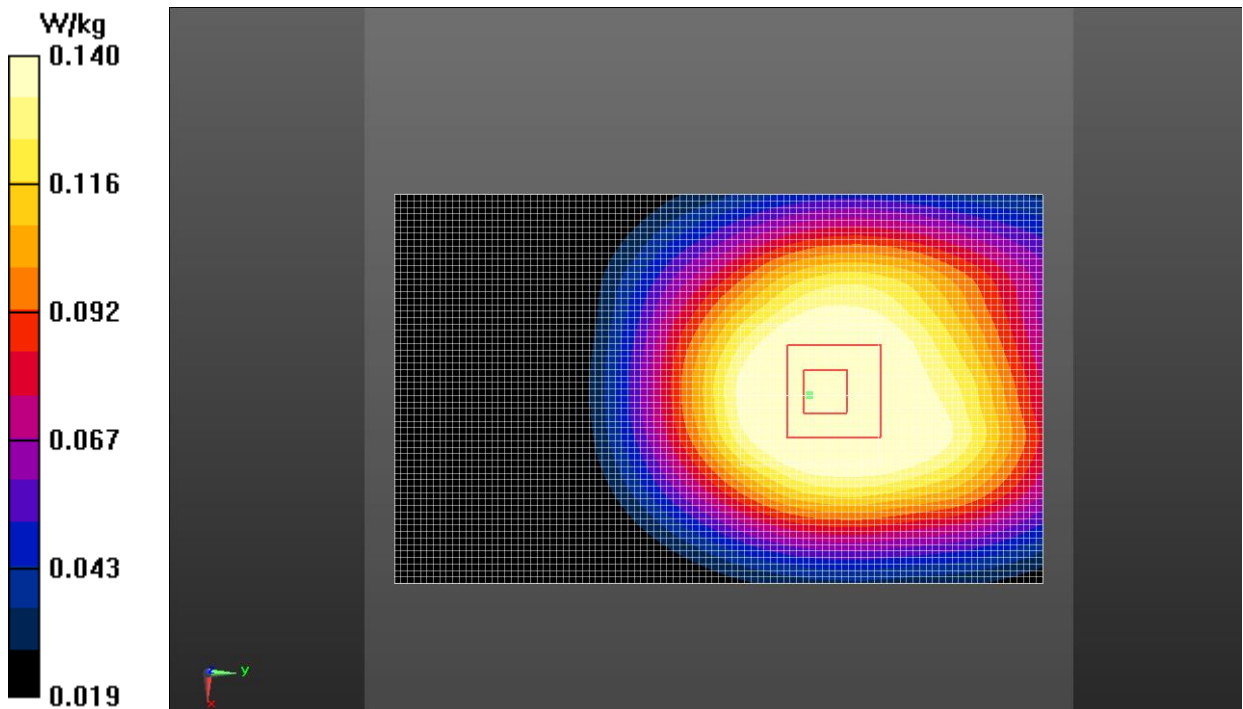
Rear Side Mid 1RB_Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 10.79 V/m ; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.171 W/kg

SAR(1 g) = 0.134 W/kg ; SAR(10 g) = 0.101 W/kg

Maximum value of SAR (measured) = 0.140 W/kg



LTE Band 25 Head

Date: 2019-1-24

Electronics: DAE4 Sn1527

Medium: Head 1900 MHz

Medium parameters used (interpolated): $f = 1882.5$ MHz; $\sigma = 1.366$ S/m; $\epsilon_r = 40.686$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.0°C Liquid Temperature: 21.5°C

Communication System: UID 0, LTE_FDD (0) Frequency: 1882.5 MHz Duty Cycle: 1:1

Probe: EX3DV4 – SN3633 ConvF (7.81, 7.81, 7.81);

Left Cheek Mid 1RB_Low/Area Scan (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.521 W/kg

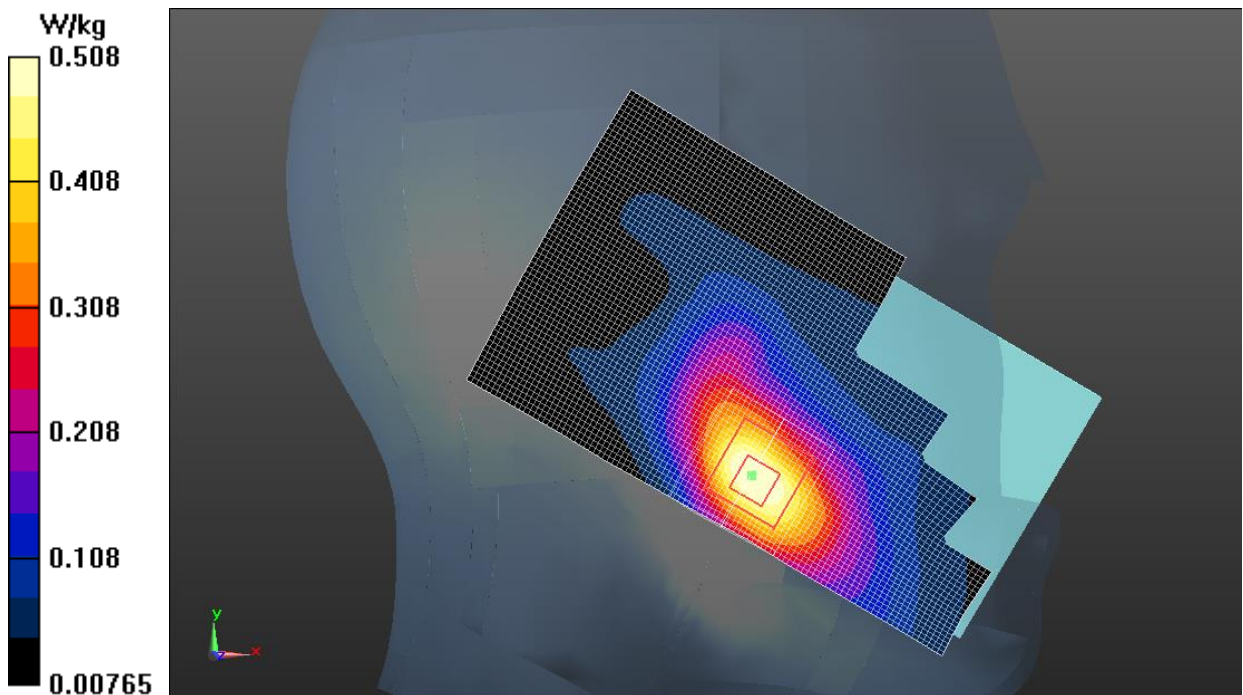
Left Cheek Mid 1RB_Low/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.560 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.756 W/kg

SAR(1 g) = 0.468 W/kg; SAR(10 g) = 0.280 W/kg

Maximum value of SAR (measured) = 0.508 W/kg



LTE Band 25 Body

Date: 2019-1-24

Electronics: DAE4 Sn1527

Medium: Body 1900 MHz

Medium parameters used (interpolated): $f = 1882.5$ MHz; $\sigma = 1.529$ S/m; $\epsilon_r = 52.987$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.0°C Liquid Temperature: 21.5°C

Communication System: UID 0, LTE_FDD (0) Frequency: 1882.5 MHz Duty Cycle: 1:1

Probe: EX3DV4 – SN3633 ConvF (7.75, 7.75, 7.75);

Bottom Side Mid 1RB_Low/Area Scan (61x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

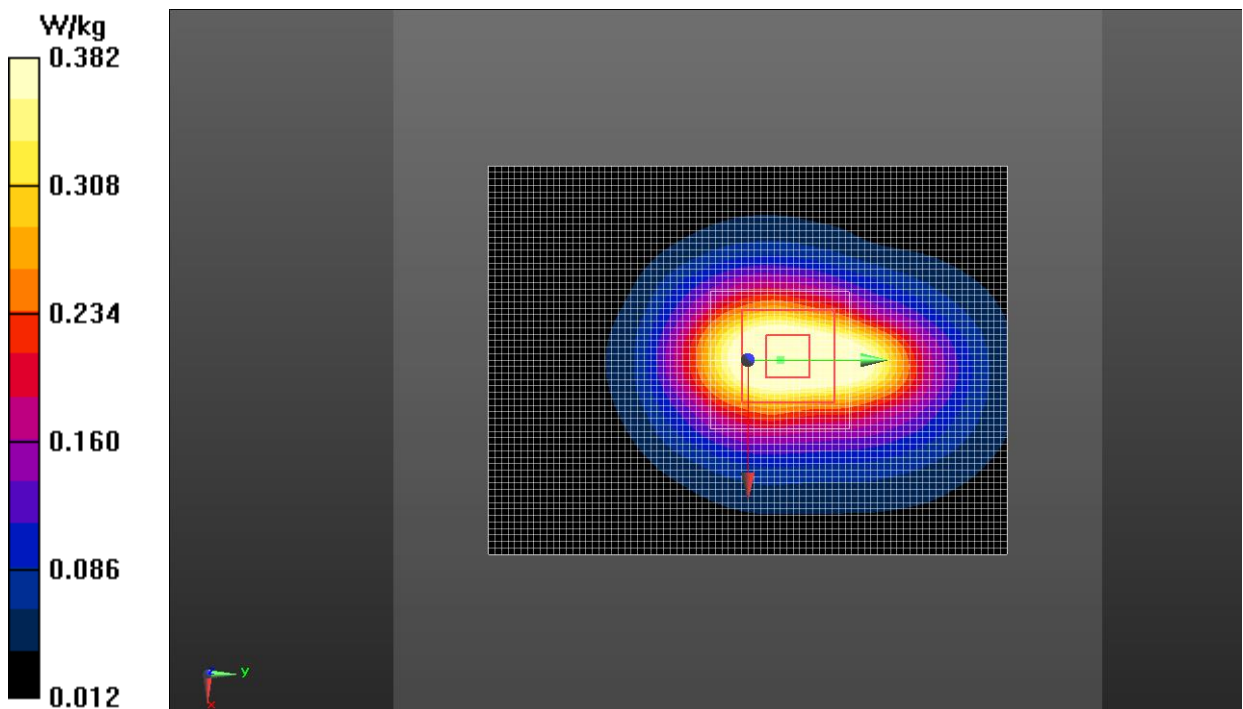
Bottom Side Mid 1RB_Low/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.99 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.567 W/kg

SAR(1 g) = 0.349 W/kg; SAR(10 g) = 0.203 W/kg

Maximum value of SAR (measured) = 0.382 W/kg



LTE Band 26 Head

Date: 2019-1-23

Electronics: DAE4 Sn1527

Medium: Head 835 MHz

Medium parameters used (interpolated): $f = 831.5$ MHz; $\sigma = 0.882$ S/m; $\epsilon_r = 41.403$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.0°C Liquid Temperature: 21.5°C

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

Probe: EX3DV4 – SN3633 ConvF (9.33, 9.33, 9.33);

Right Cheek Mid 1RB_High/Area Scan (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.106 W/kg

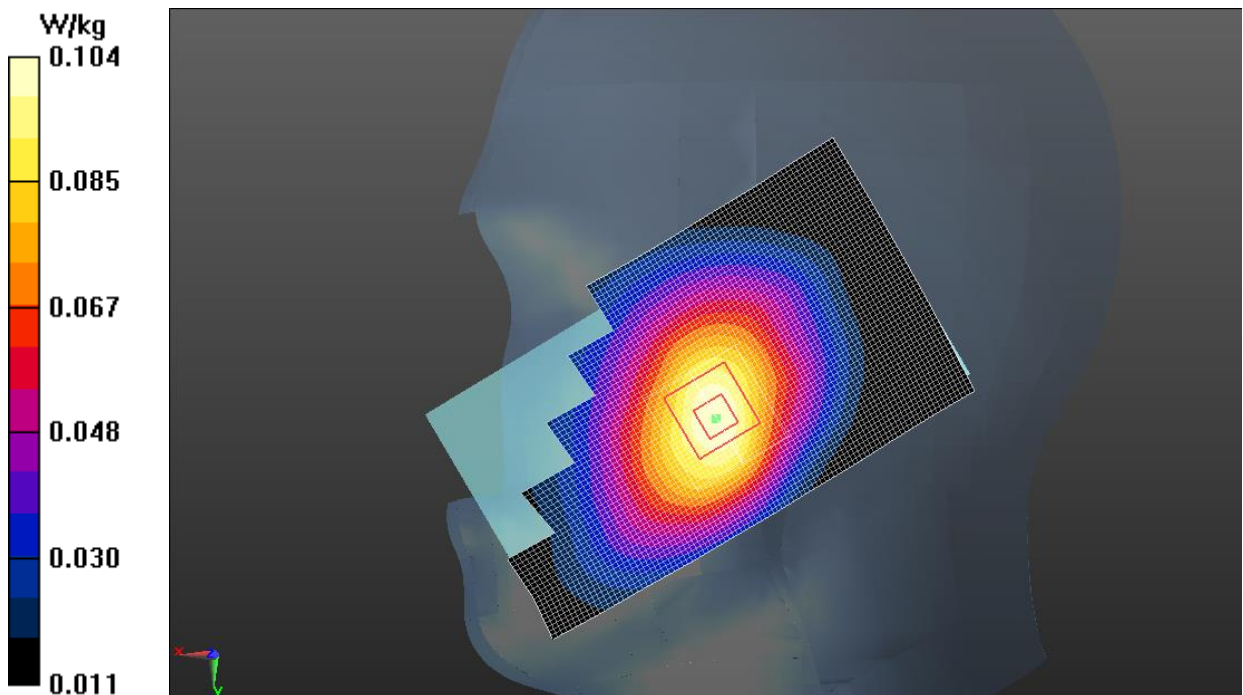
Right Cheek Mid 1RB_High/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.901 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.127 W/kg

SAR(1 g) = 0.098 W/kg; SAR(10 g) = 0.072 W/kg

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



LTE Band 26 Body

Date: 2019-1-23

Electronics: DAE4 Sn1527

Medium: Body 835 MHz

Medium parameters used (interpolated): $f = 831.5$ MHz; $\sigma = 0.986$ S/m; $\epsilon_r = 54.112$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.0°C Liquid Temperature: 21.5°C

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

Probe: EX3DV4 – SN3633 ConvF (9.69, 9.69, 9.69);

Rear Side Mid 1RB_High/Area Scan (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.0882 W/kg

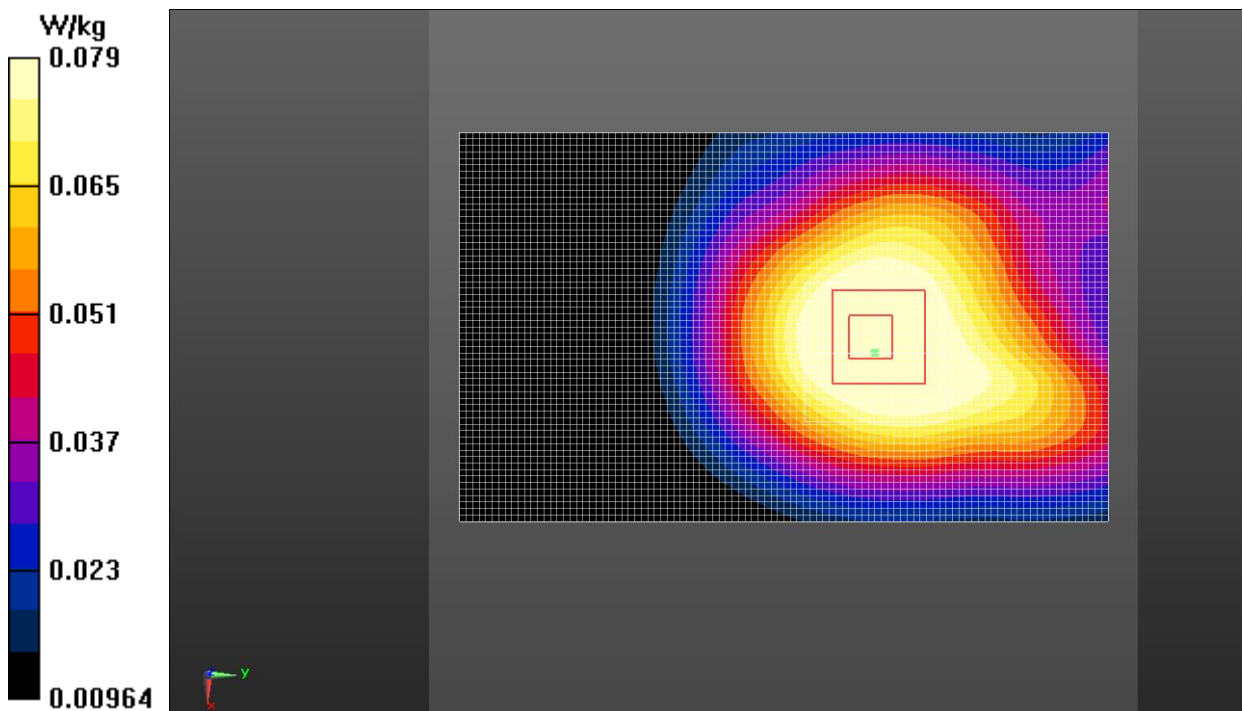
Rear Side Mid 1RB_High/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.042 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.0950 W/kg

SAR(1 g) = 0.075 W/kg; SAR(10 g) = 0.057 W/kg

Maximum value of SAR (measured) = 0.0789 W/kg



LTE Band 38 Head

Date: 2019-1-24

Electronics: DAE4 Sn1527

Medium: Head 2550 MHz

Medium parameters used (interpolated): $f = 2595$ MHz; $\sigma = 2.024$ S/m; $\epsilon_r = 38.196$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.0°C Liquid Temperature: 21.5°C

Communication System: UID 0, LTE_TDD (0) Frequency: 2595 MHz Duty Cycle: 1:1.58

Probe: EX3DV4 – SN3633 ConvF (7.28, 7.28, 7.28);

Left Cheek Mid 1RB_Low/Area Scan (61x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.302 W/kg

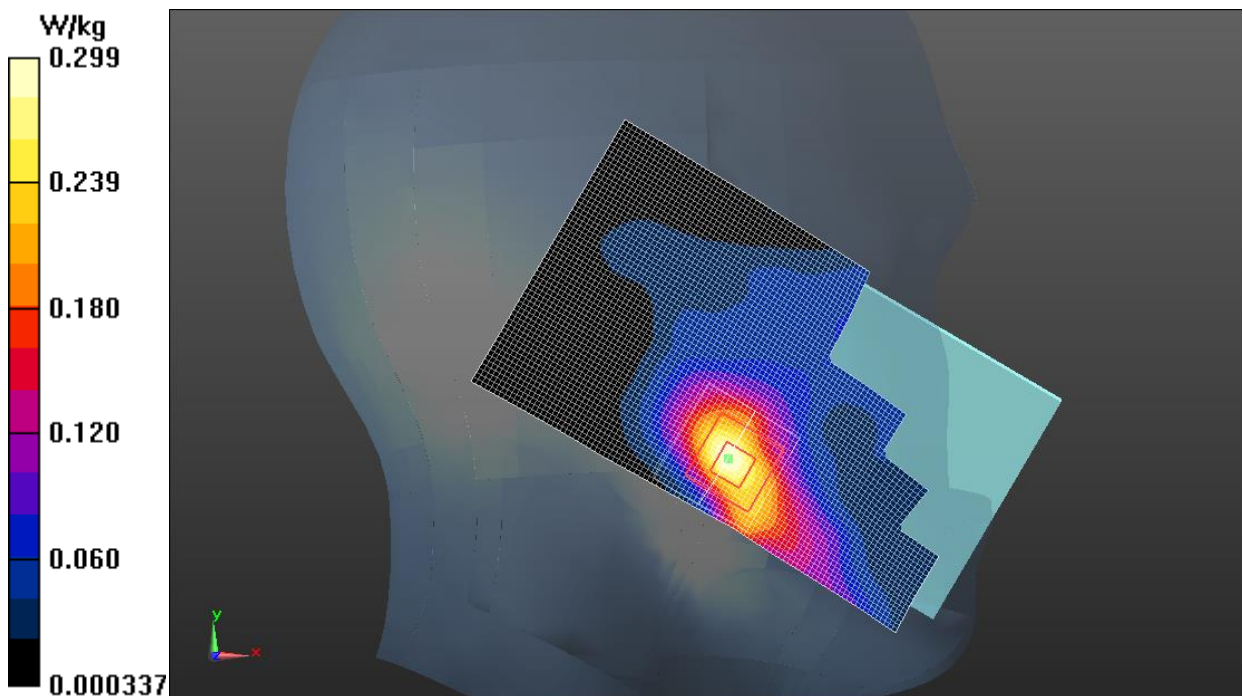
Left Cheek Mid 1RB_Low/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.875 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.510 W/kg

SAR(1 g) = 0.264 W/kg; SAR(10 g) = 0.133 W/kg

Maximum value of SAR (measured) = 0.299 W/kg



LTE Band 38 Body

Date: 2019-1-24

Electronics: DAE4 Sn1527

Medium: Body 2550 MHz

Medium parameters used (interpolated): $f = 2595$ MHz; $\sigma = 2.105$ S/m; $\epsilon_r = 53.073$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.0°C Liquid Temperature: 21.5°C

Communication System: UID 0, LTE_TDD (0) Frequency: 2595 MHz Duty Cycle: 1:1.58

Probe: EX3DV4 – SN3633 ConvF (7.31, 7.31, 7.31);

Front Side Mid 1RB_Low/Area Scan (61x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.713 W/kg

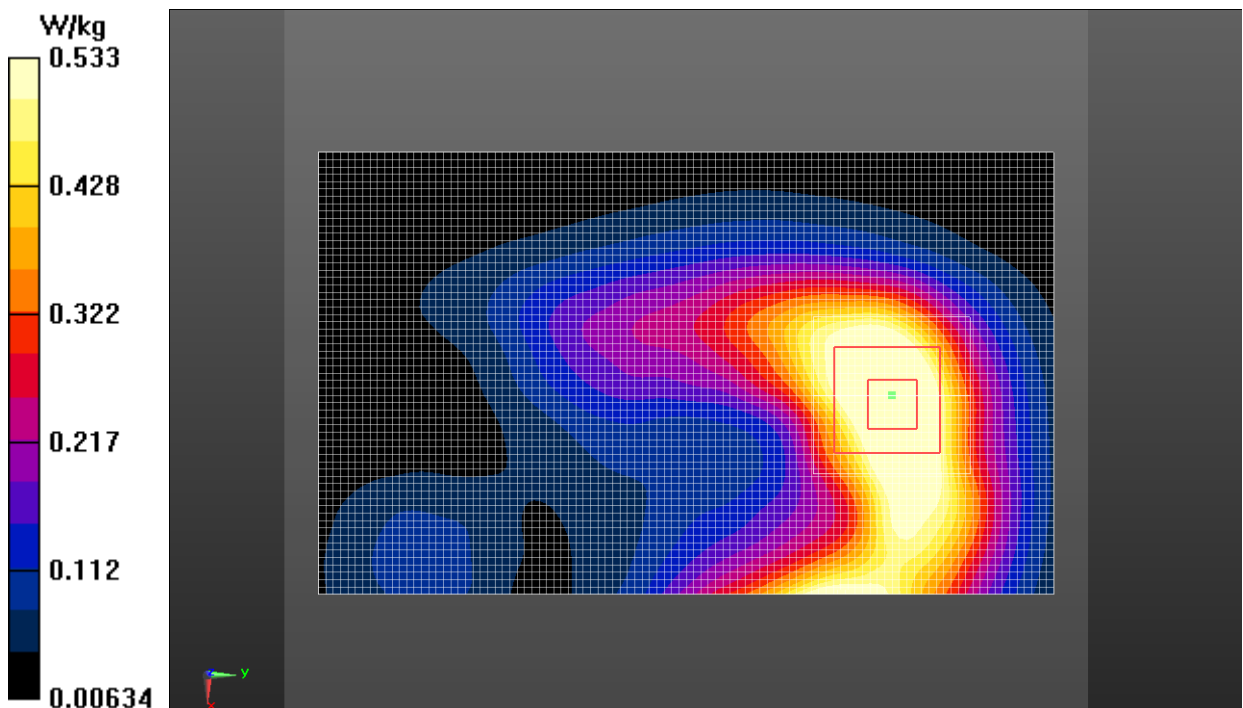
Front Side Mid 1RB_Low/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=5mm, dy=8mm, dz=5mm

Reference Value = 8.472 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.873 W/kg

SAR(1 g) = 0.488 W/kg; SAR(10 g) = 0.271 W/kg

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



LTE Band 66 Head

Date: 2019-1-24

Electronics: DAE4 Sn1527

Medium: Head 1750 MHz

Medium parameters used (interpolated): $f = 1745$ MHz; $\sigma = 1.352$ S/m; $\epsilon_r = 39.678$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.0°C Liquid Temperature: 21.5°C

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

Probe: EX3DV4 – SN3633 ConvF (8.12, 8.12, 8.12);

Left Cheek Mid 1RB_Low/Area Scan (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.456 W/kg

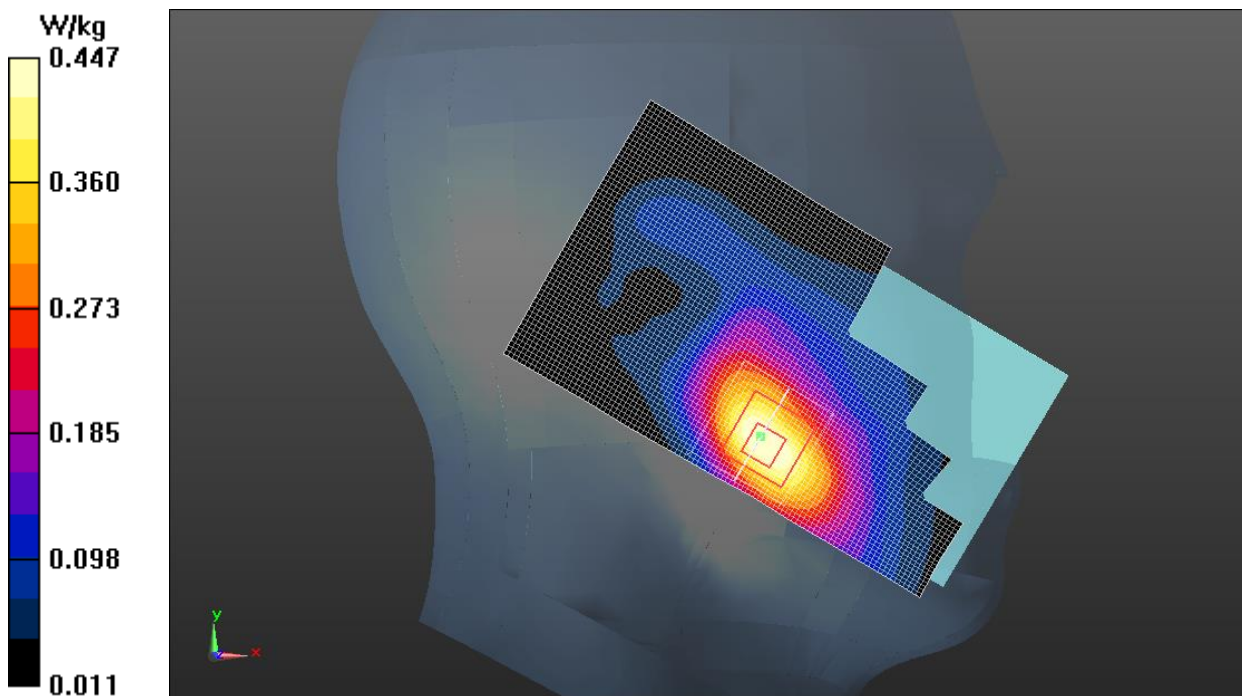
Left Cheek Mid 1RB_Low/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.110 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 0.639 W/kg

SAR(1 g) = 0.415 W/kg; SAR(10 g) = 0.259 W/kg

Maximum value of SAR (measured) = 0.447 W/kg



LTE Band 66 Body

Date: 2019-1-24

Electronics: DAE4 Sn1527

Medium: Body 1750 MHz

Medium parameters used (interpolated): $f = 1745$ MHz; $\sigma = 1.443$ S/m; $\epsilon_r = 53.434$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.0°C Liquid Temperature: 21.5°C

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

Probe: EX3DV4 – SN3633 ConvF (8.05, 8.05, 8.05);

Front Side Mid 1RB_Low/Area Scan (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.448 W/kg

Front Side Mid 1RB_Low/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.78 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.500 W/kg

SAR(1 g) = 0.324 W/kg; SAR(10 g) = 0.213 W/kg

Maximum value of SAR (measured) = 0.346 W/kg

