

PCS1900_Body

Date: 10/13/2021

Electronics: DAE4 Sn1525

Medium: H1900

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.503$ S/m; $\epsilon_r = 41.89$; $\rho = 1000$ kg/m³

Ambient Temperature: 23.3oC Liquid Temperature: 22.3oC

Communication System: GSM1900 4TX Frequency: 1880 MHz Duty Cycle: 1:1.99986

Probe: EX3DV4 - SN7600 ConvF(8.7, 8.7, 8.7)

Area Scan (41x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.659 W/kg

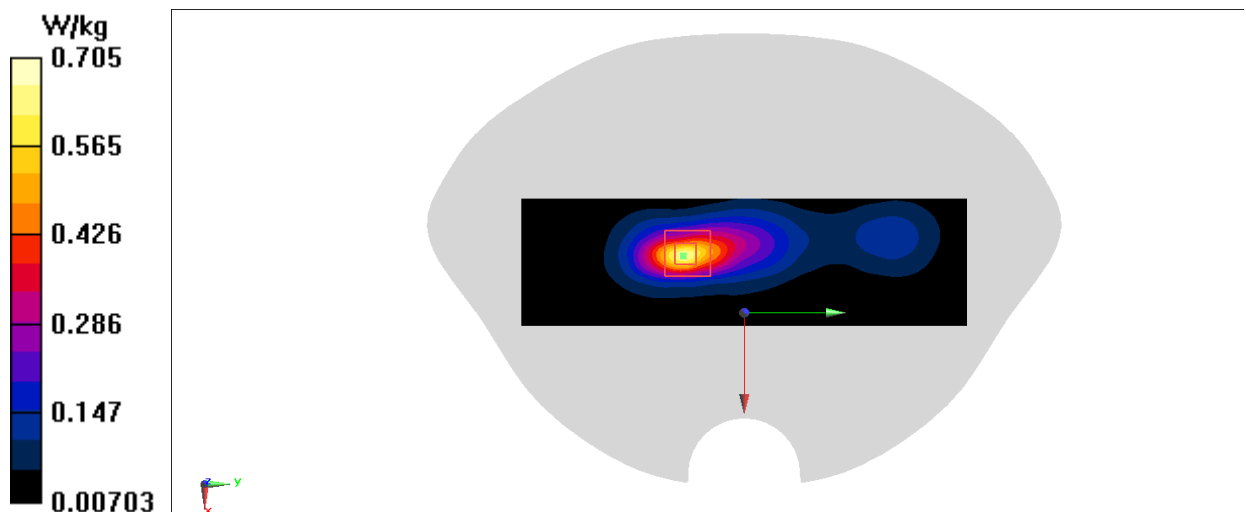
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.183 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.846 W/kg

SAR(1 g) = 0.445 W/kg; SAR(10 g) = 0.221 W/kg

Maximum value of SAR (measured) = 0.705 W/kg

**Fig A.4**

WCDMA1900-BII_Head

Date: 10/13/2021

Electronics: DAE4 Sn1525

Medium: H1900

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.503$ S/m; $\epsilon_r = 41.89$; $\rho = 1000$ kg/m³

Ambient Temperature: 23.3oC Liquid Temperature: 22.3oC

Communication System: WCDMA 1900 Frequency: 1880 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN7600 ConvF(8.7, 8.7, 8.7)

Area Scan (81x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.52 W/kg

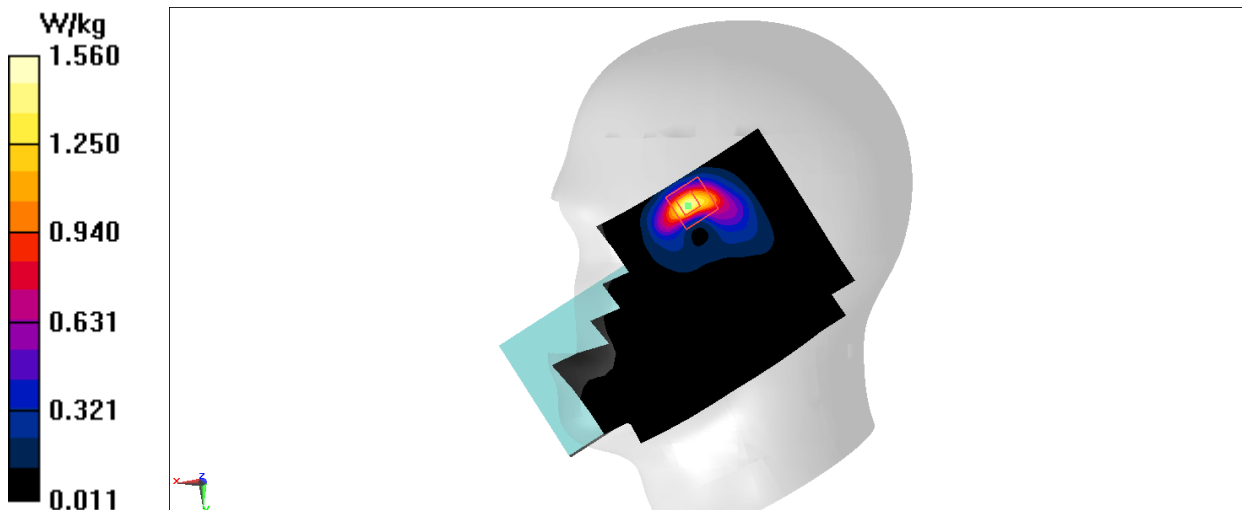
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.538 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 1.84 W/kg

SAR(1 g) = 0.896 W/kg; SAR(10 g) = 0.410 W/kg

Maximum value of SAR (measured) = 1.56 W/kg

**Fig A.5**

WCDMA1900-BII_Body

Date: 10/13/2021

Electronics: DAE4 Sn1525

Medium: H1900

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.503$ S/m; $\epsilon_r = 41.89$; $\rho = 1000$ kg/m³

Ambient Temperature: 23.3oC Liquid Temperature: 22.3oC

Communication System: WCDMA 1900 Frequency: 1880 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN7600 ConvF(8.7, 8.7, 8.7)

Area Scan (41x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.961 W/kg

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

Reference Value = 8.554 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 1.24 W/kg

SAR(1 g) = 0.636 W/kg; SAR(10 g) = 0.311 W/kg

Maximum value of SAR (measured) = 1.01 W/kg

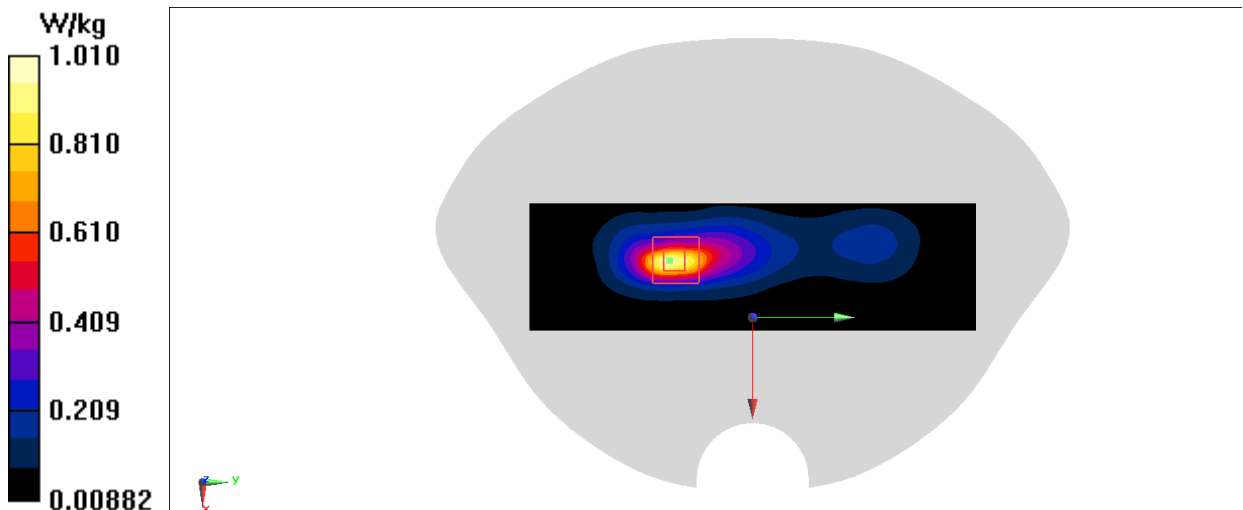


Fig A.6

WCDMA1900-BII_Body

Date: 10/13/2021

Electronics: DAE4 Sn1525

Medium: H1900

Medium parameters used (interpolated): $f = 1907.6$ MHz; $\sigma = 1.518$ S/m; $\epsilon_r = 41.875$; $\rho = 1000$ kg/m³

Ambient Temperature: 23.3oC Liquid Temperature: 22.5oC

Communication System: WCDMA1900(B2) Frequency: 1907.6 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN7600 ConvF(8.7, 8.7, 8.7)

Area Scan (91x151x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

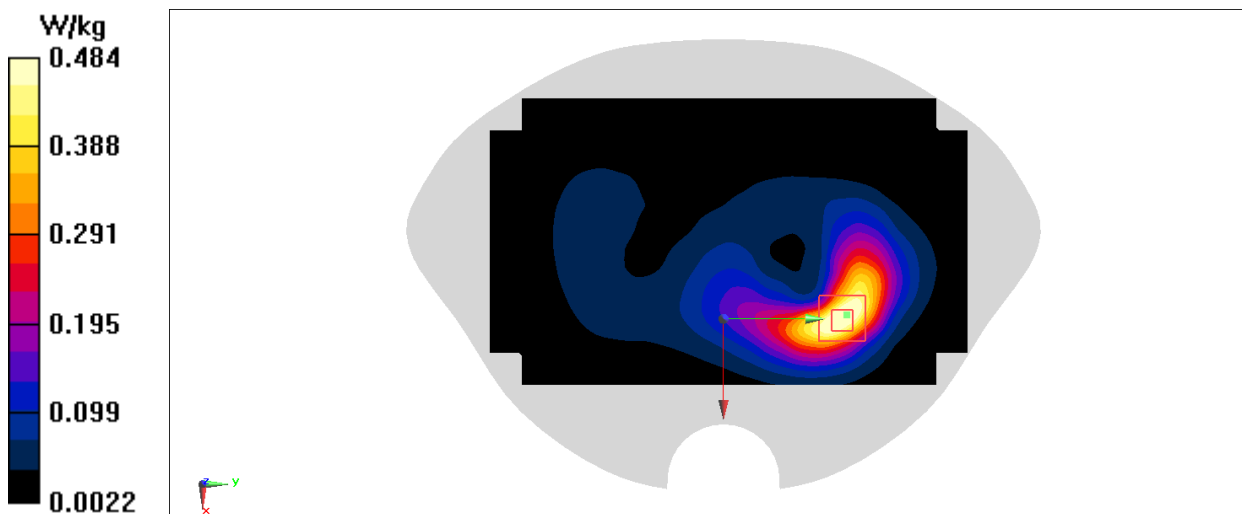
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.146 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.596 W/kg

SAR(1 g) = 0.336 W/kg; SAR(10 g) = 0.186 W/kg

Maximum value of SAR (measured) = 0.484 W/kg

**Fig A.7**

WCDMA1700-BIV_Head

Date: 10/15/2021

Electronics: DAE4 Sn1525

Medium: H1750

Medium parameters used (interpolated): $f = 1732.4$ MHz; $\sigma = 1.377$ S/m; $\epsilon_r = 43.351$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.9oC Liquid Temperature: 22.7oC

Communication System: WCDMA1700(B4) Frequency: 1732.4 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN7600 ConvF(9.01, 9.01, 9.01)

Area Scan (81x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.60 W/kg

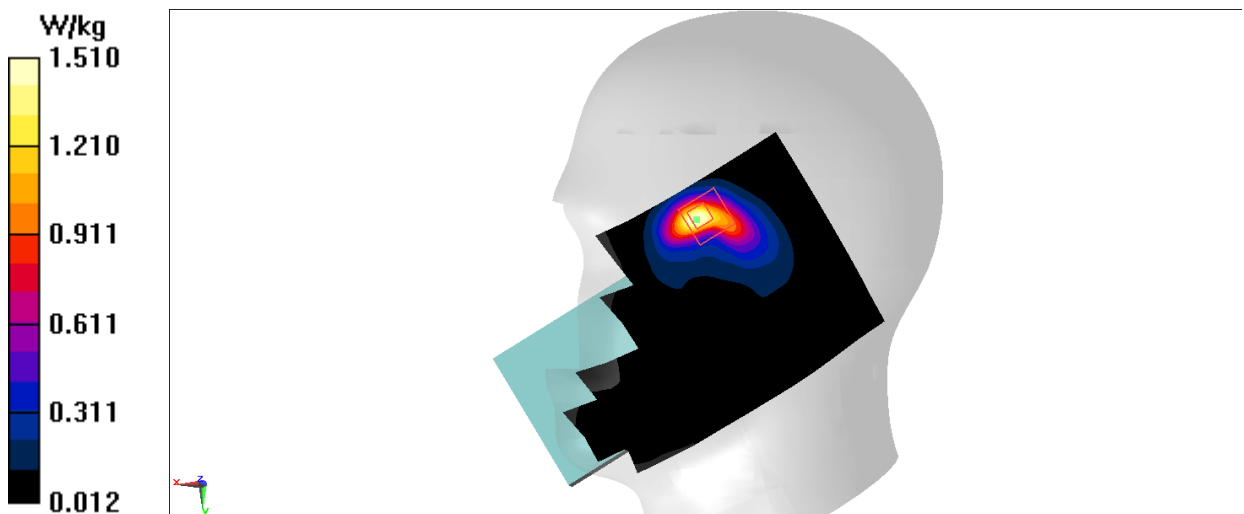
Zoom Scan (5x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.527 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 1.99 W/kg

SAR(1 g) = 0.912 W/kg; SAR(10 g) = 0.427 W/kg

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

**Fig A.8**

WCDMA1700-BIV_Body

Date: 10/15/2021

Electronics: DAE4 Sn1525

Medium: H1750

Medium parameters used (interpolated): $f = 1732.4$ MHz; $\sigma = 1.377$ S/m; $\epsilon_r = 43.351$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.9oC Liquid Temperature: 22.7oC

Communication System: WCDMA1700(B4) Frequency: 1732.4 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN7600 ConvF(9.01, 9.01, 9.01)

Area Scan (81x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.831 W/kg

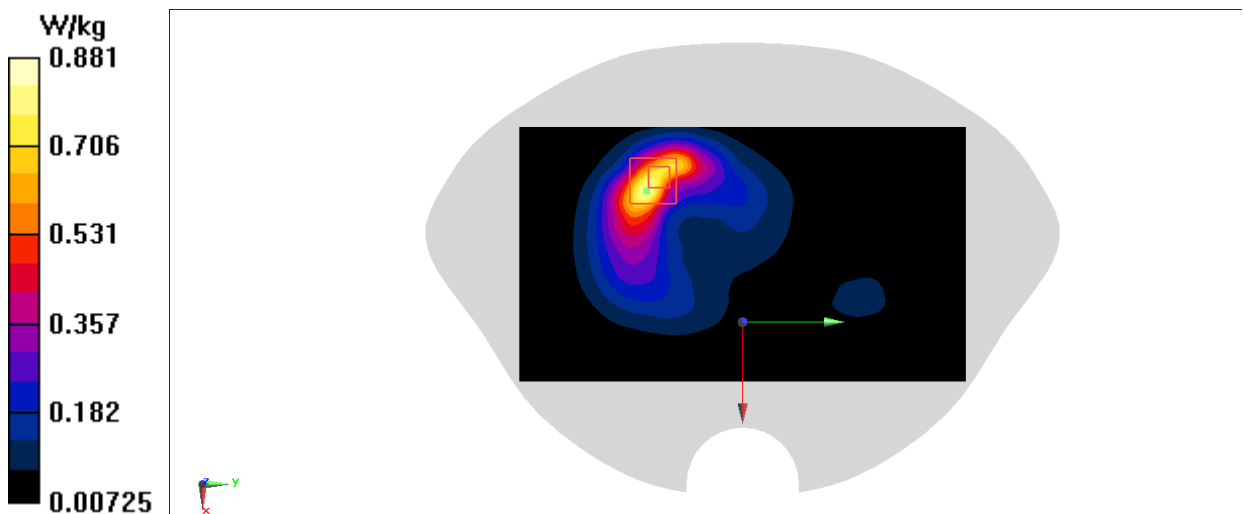
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.863 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 1.12 W/kg

SAR(1 g) = 0.579 W/kg; SAR(10 g) = 0.305 W/kg

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

**Fig A.9**

WCDMA1700-BIV_Body

Date: 10/15/2021

Electronics: DAE4 Sn1525

Medium: H1750

Medium parameters used (interpolated): $f = 1752.6$ MHz; $\sigma = 1.391$ S/m; $\epsilon_r = 43.35$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.9oC Liquid Temperature: 22.7oC

Communication System: WCDMA1700(B4) Frequency: 1752.6 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN7600 ConvF(9.01, 9.01, 9.01)

Area Scan (91x151x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

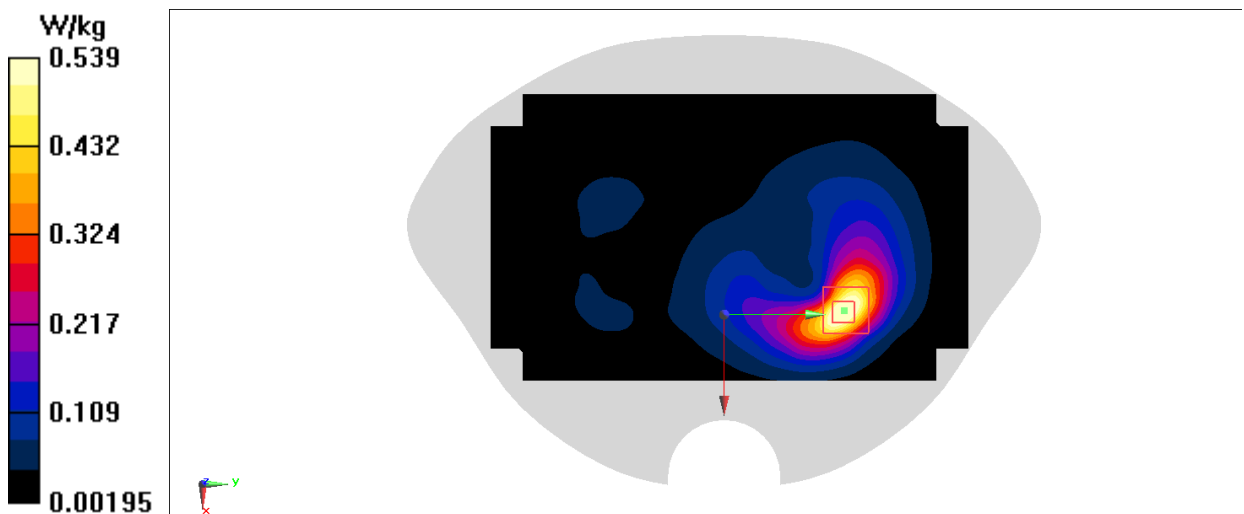
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.588 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.685 W/kg

SAR(1 g) = 0.386 W/kg; SAR(10 g) = 0.212 W/kg

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

**Fig A.10**

WCDMA850-BV_Head

Date: 10/19/2021

Electronics: DAE4 Sn1525

Medium: H835

Medium parameters used (interpolated): $f = 826.4$ MHz; $\sigma = 0.9$ S/m; $\epsilon_r = 43.996$; $\rho = 1000$ kg/m³

Ambient Temperature: 23.1oC Liquid Temperature: 22.1oC

Communication System: WCDMA850(B5) Frequency: 826.4 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN7600 ConvF(10.88, 10.88, 10.88)

Area Scan (81x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.959 W/kg

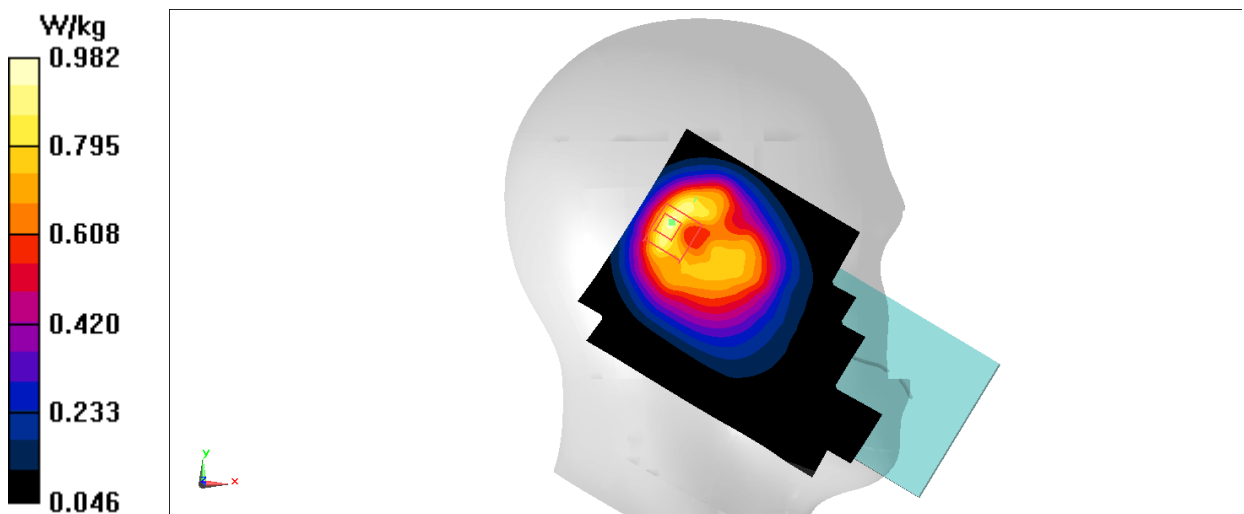
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 29.08 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 1.31 W/kg

SAR(1 g) = 0.601 W/kg; SAR(10 g) = 0.360 W/kg

Maximum value of SAR (measured) = 0.982 W/kg

**Fig A.11**

WCDMA850-BV_Body

Date: 10/19/2021

Electronics: DAE4 Sn1525

Medium: H835

Medium parameters used (interpolated): $f = 826.4$ MHz; $\sigma = 0.9$ S/m; $\epsilon_r = 43.996$; $\rho = 1000$ kg/m³

Ambient Temperature: 23.1oC Liquid Temperature: 22.1oC

Communication System: WCDMA850(B5) Frequency: 826.4 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN7600 ConvF(10.88, 10.88, 10.88)

Area Scan (41x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

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

Reference Value = 18.02 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.503 W/kg

SAR(1 g) = 0.293 W/kg; SAR(10 g) = 0.180 W/kg

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

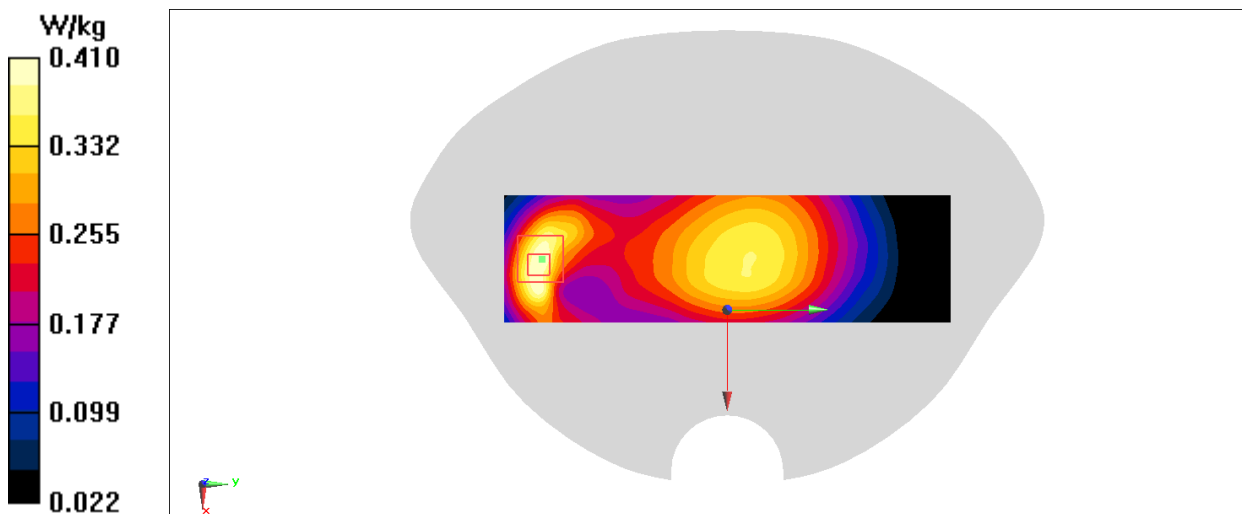


Fig A.12

LTE2600-FDD7_Head

Date: 10/30/2021

Electronics: DAE4 Sn1525

Medium: H2600

Medium parameters used: $f = 2510$ MHz; $\sigma = 1.966$ S/m; $\epsilon_r = 40.121$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.6oC Liquid Temperature: 22.5oC

Communication System: LTE Band7 Frequency: 2510 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN7600 ConvF(7.79, 7.79, 7.79)

Area Scan (101x171x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.905 W/kg

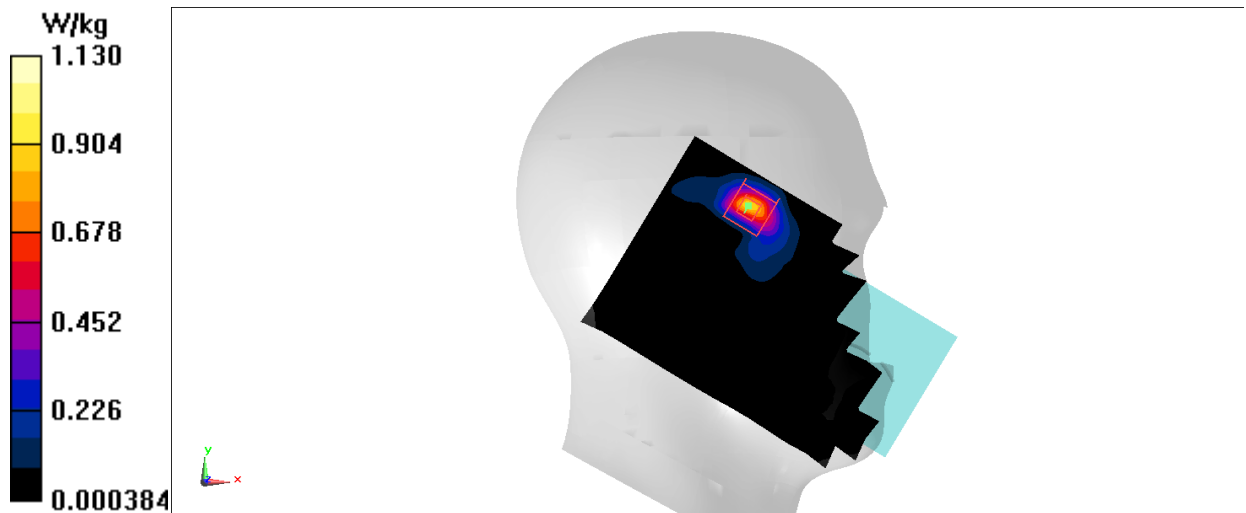
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 0.8460 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 1.60 W/kg

SAR(1 g) = 0.612 W/kg; SAR(10 g) = 0.232 W/kg

Maximum value of SAR (measured) = 1.13 W/kg

**Fig A.13**

LTE2600-FDD7_Body

Date: 10/30/2021

Electronics: DAE4 Sn1525

Medium: H2600

Medium parameters used: $f = 2560$ MHz; $\sigma = 2.01$ S/m; $\epsilon_r = 40.06$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.6oC Liquid Temperature: 22.5oC

Communication System: LTE Band7 Frequency: 2560 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN7600 ConvF(7.67, 7.67, 7.67)

Area Scan (51x171x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 1.36 W/kg

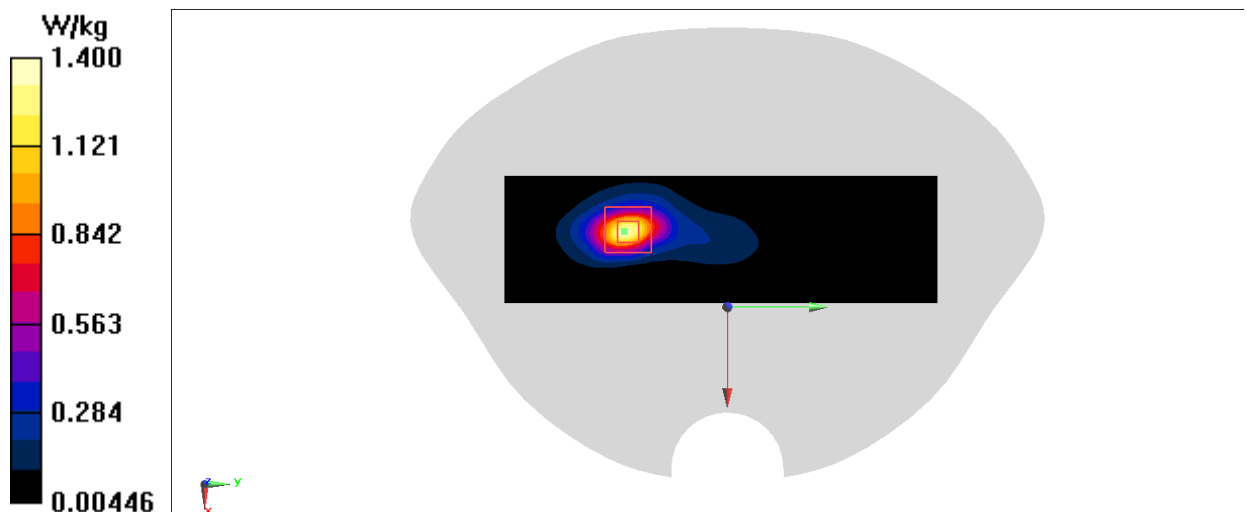
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.031 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 1.78 W/kg

SAR(1 g) = 0.815 W/kg; SAR(10 g) = 0.353 W/kg

Maximum value of SAR (measured) = 1.40 W/kg

**Fig A.14**

LTE700-FDD12_Head

Date: 10/1/2021

Electronics: DAE4 Sn1525

Medium: H750

Medium parameters used (interpolated): $f = 704$ MHz; $\sigma = 0.859$ S/m; $\epsilon_r = 44.682$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.8oC Liquid Temperature: 22.3oC

Communication System: LTE Band12 Frequency: 704 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN7600 ConvF(10.88, 10.88, 10.88)

Area Scan (81x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.576 W/kg

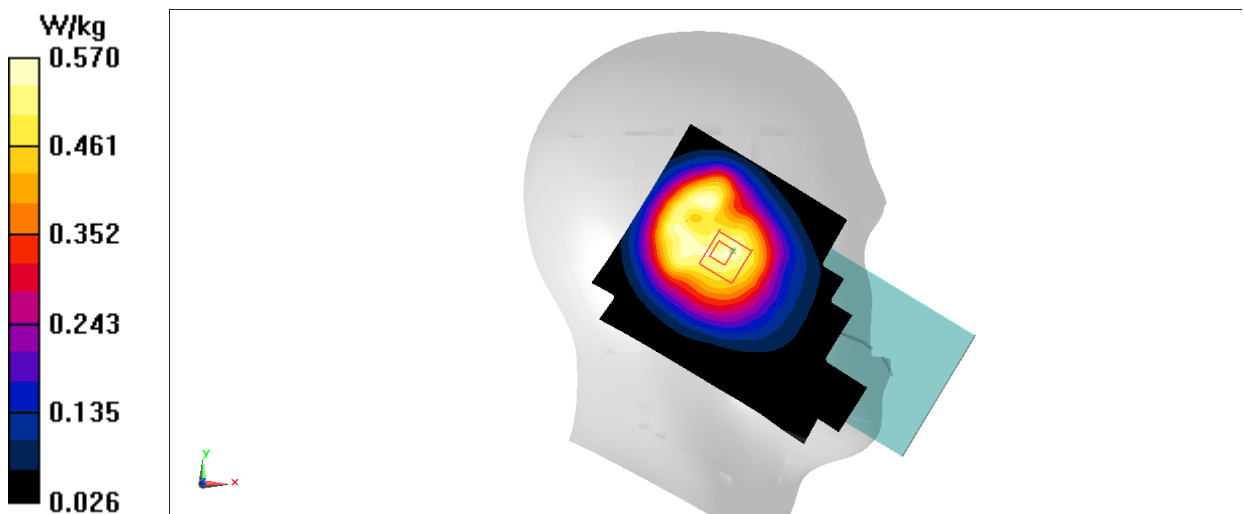
Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 25.41 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 0.725 W/kg

SAR(1 g) = 0.442 W/kg; SAR(10 g) = 0.326 W/kg

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

**Fig A.15**

LTE700-FDD12_Body

Date: 10/1/2021

Electronics: DAE4 Sn1525

Medium: H750

Medium parameters used (interpolated): $f = 704 \text{ MHz}$; $\sigma = 0.859 \text{ S/m}$; $\epsilon_r = 44.682$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature: 22.8oC Liquid Temperature: 22.3oC

Communication System: LTE Band12 Frequency: 704 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN7600 ConvF(10.88, 10.88, 10.88)

Area Scan (91x151x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.455 W/kg

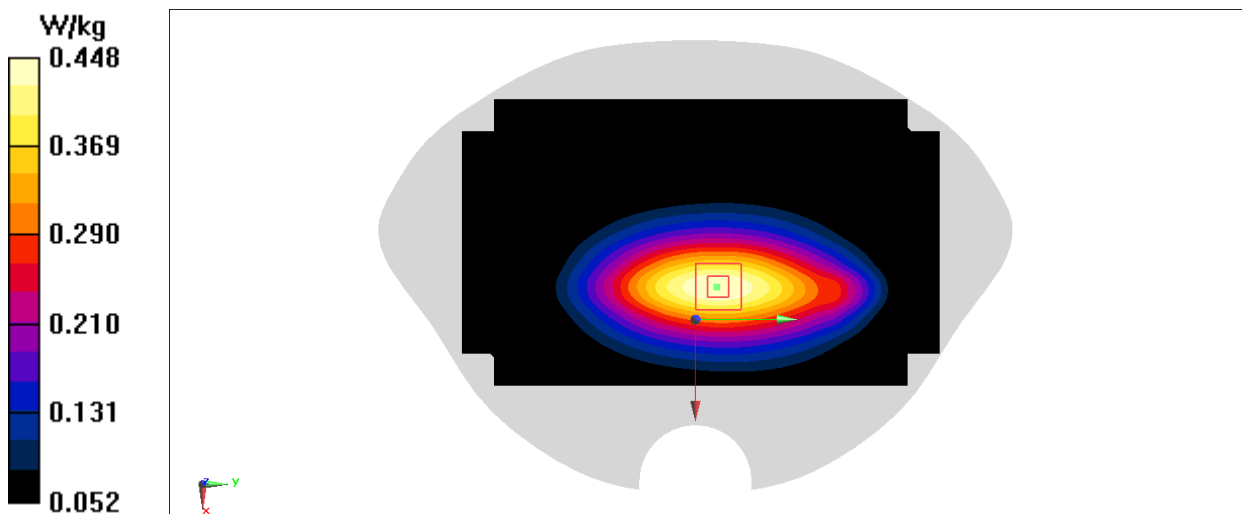
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 21.54 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.516 W/kg

SAR(1 g) = 0.341 W/kg; SAR(10 g) = 0.239 W/kg

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

**Fig A.16**

LTE750-FDD13_Head

Date: 10/1/2021

Electronics: DAE4 Sn1525

Medium: H750

Medium parameters used (interpolated): $f = 782 \text{ MHz}$; $\sigma = 0.893 \text{ S/m}$; $\epsilon_r = 44.376$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature: 22.8oC Liquid Temperature: 22.3oC

Communication System: LTE Band13 Frequency: 782 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN7600 ConvF(10.88, 10.88, 10.88)

Area Scan (81x131x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

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

Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 16.86 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 1.01 W/kg

SAR(1 g) = 0.469 W/kg; SAR(10 g) = 0.249 W/kg

Maximum value of SAR (measured) = 0.731 W/kg

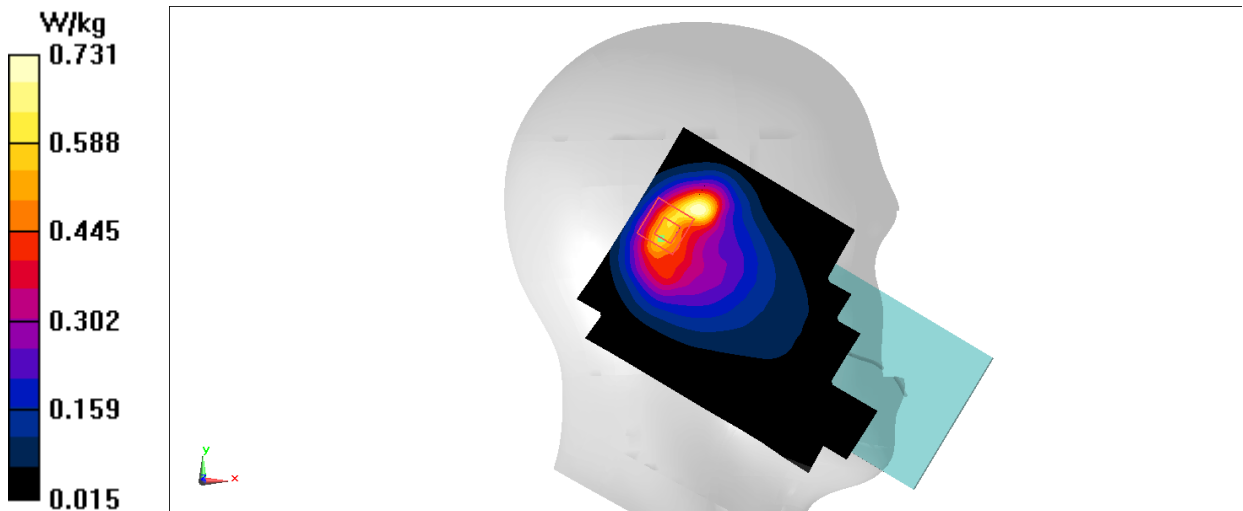


Fig A.17

LTE750-FDD13_Body

Date: 10/1/2021

Electronics: DAE4 Sn1525

Medium: H750

Medium parameters used (interpolated): $f = 782$ MHz; $\sigma = 0.893$ S/m; $\epsilon_r = 44.376$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.8oC Liquid Temperature: 22.3oC

Communication System: LTE Band13 Frequency: 782 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN7600 ConvF(10.88, 10.88, 10.88)

Area Scan (91x151x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.421 W/kg

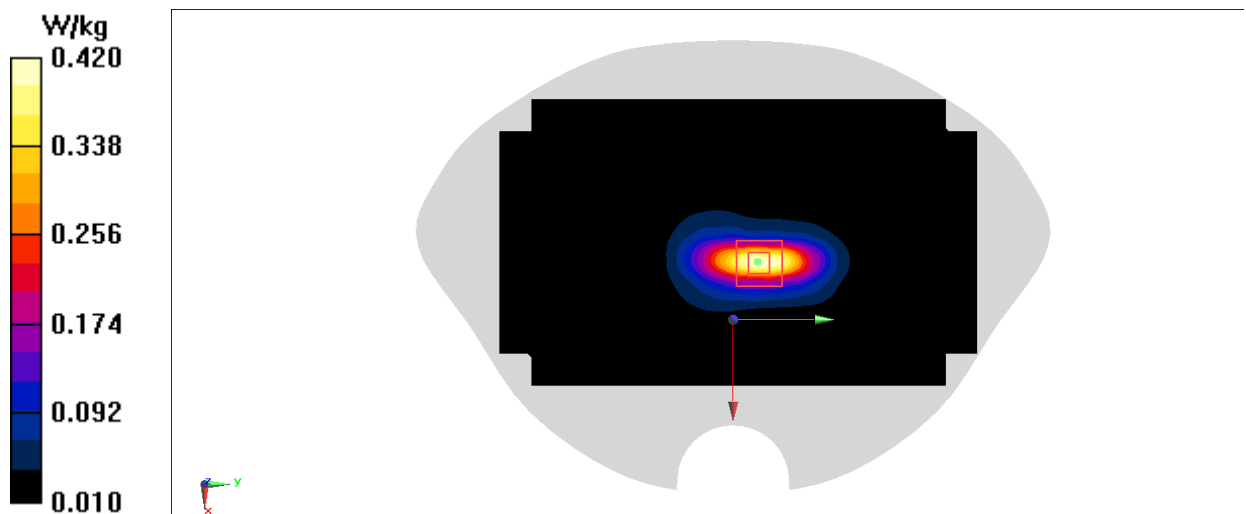
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 20.84 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.560 W/kg

SAR(1 g) = 0.272 W/kg; SAR(10 g) = 0.141 W/kg

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

**Fig A.18**

LTE1900-FDD25_Head

Date: 10/13/2021

Electronics: DAE4 Sn1525

Medium: H1900

Medium parameters used (interpolated): $f = 1882.5$ MHz; $\sigma = 1.508$ S/m; $\epsilon_r = 41.89$; $\rho = 1000$ kg/m³

Ambient Temperature: 23.3oC Liquid Temperature: 22.3oC

Communication System: LTE Band25 Frequency: 1882.5 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN7600 ConvF(8.7, 8.7, 8.7)

Area Scan (81x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

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

Reference Value = 6.719 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 1.71 W/kg

SAR(1 g) = 0.853 W/kg; SAR(10 g) = 0.401 W/kg

Maximum value of SAR (measured) = 1.45 W/kg

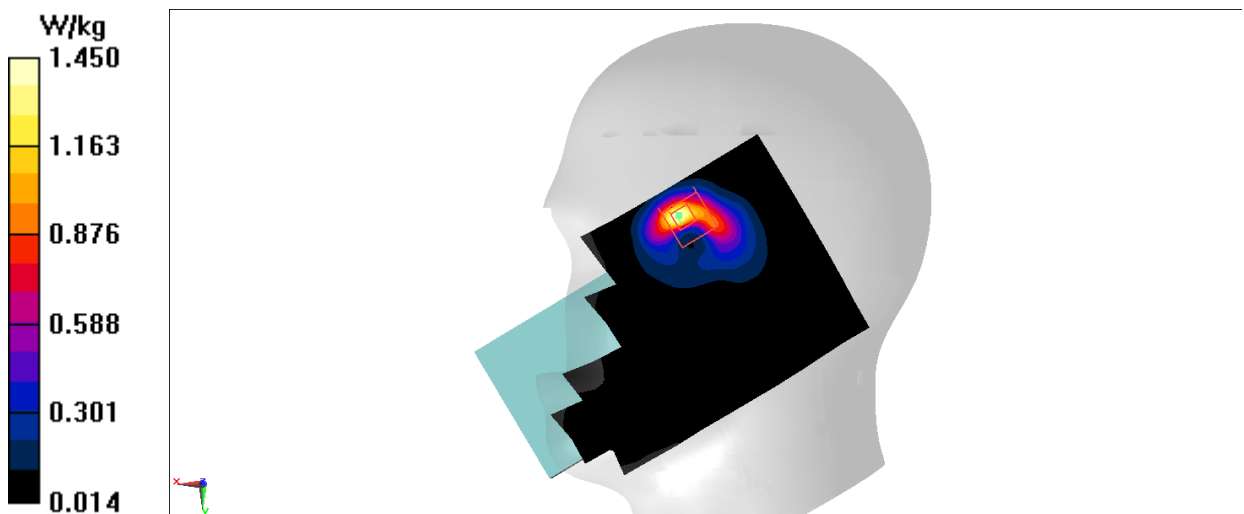


Fig A.19

LTE1900-FDD25_Body

Date: 10/13/2021

Electronics: DAE4 Sn1525

Medium: H1900

Medium parameters used: $f = 1905$ MHz; $\sigma = 1.516$ S/m; $\epsilon_r = 41.88$; $\rho = 1000$ kg/m³

Ambient Temperature: 23.3oC Liquid Temperature: 22.3oC

Communication System: LTE Band25 Frequency: 1905 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN7600 ConvF(8.7, 8.7, 8.7)

Area Scan (41x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.19 W/kg

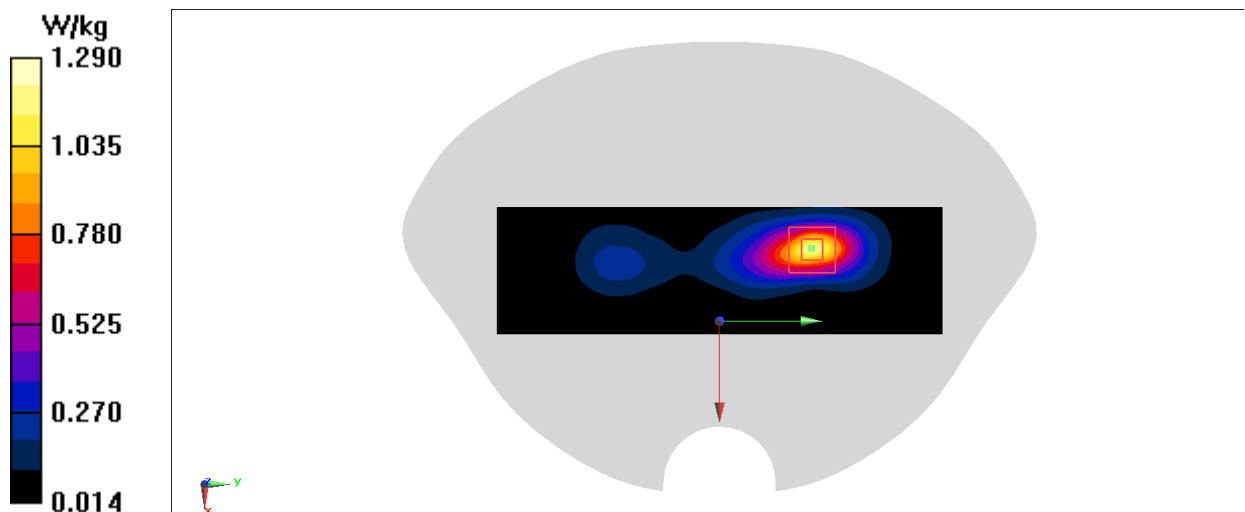
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.753 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 1.65 W/kg

SAR(1 g) = 0.857 W/kg; SAR(10 g) = 0.417 W/kg

Maximum value of SAR (measured) = 1.29 W/kg

**Fig A.20**

LTE1900-FDD25_Body

Date: 10/13/2021

Electronics: DAE4 Sn1525

Medium: H1900

Medium parameters used (interpolated): $f = 1882.5$ MHz; $\sigma = 1.508$ S/m; $\epsilon_r = 41.89$; $\rho = 1000$ kg/m³

Ambient Temperature: 23.3oC Liquid Temperature: 22.3oC

Communication System: LTE Band25 Frequency: 1882.5 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN7600 ConvF(8.7, 8.7, 8.7)

Area Scan (91x151x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.324 W/kg

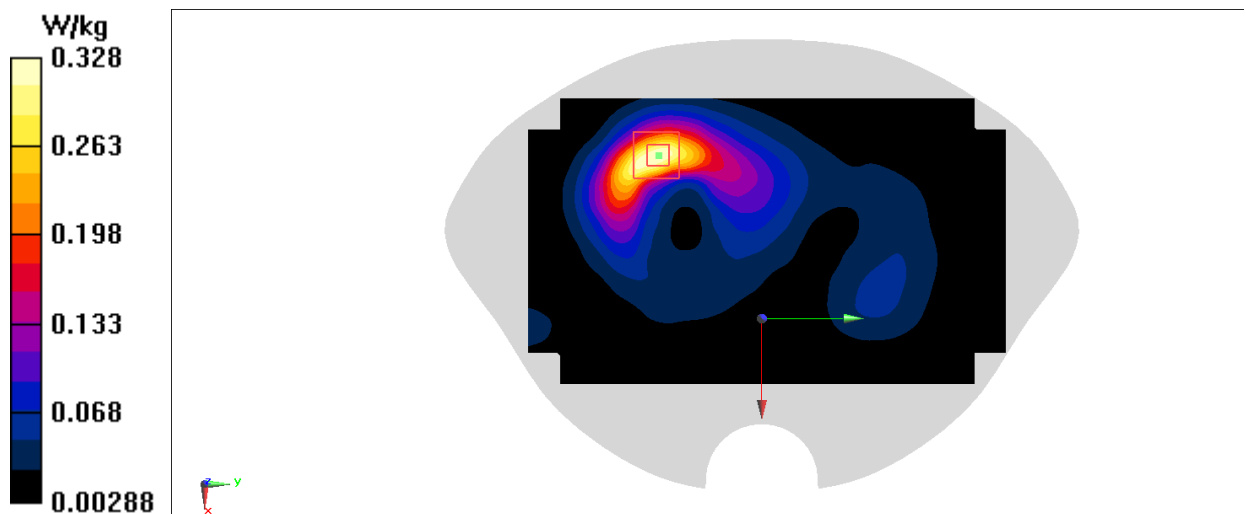
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.160 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 0.394 W/kg

SAR(1 g) = 0.224 W/kg; SAR(10 g) = 0.122 W/kg

Maximum value of SAR (measured) = 0.328 W/kg

**Fig A.21**

LTE850-FDD26_Head

Date: 10/19/2021

Electronics: DAE4 Sn1525

Medium: H835

Medium parameters used (interpolated): $f = 822.5$ MHz; $\sigma = 0.911$ S/m; $\epsilon_r = 44.226$; $\rho = 1000$ kg/m³

Ambient Temperature: 23.1oC Liquid Temperature: 22.1oC

Communication System: LTE Band26 Frequency: 822.5 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN7600 ConvF(10.88, 10.88, 10.88)

Area Scan (81x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.01 W/kg

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

Reference Value = 22.85 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.69 W/kg

SAR(1 g) = 0.739 W/kg; SAR(10 g) = 0.385 W/kg

Maximum value of SAR (measured) = 1.24 W/kg

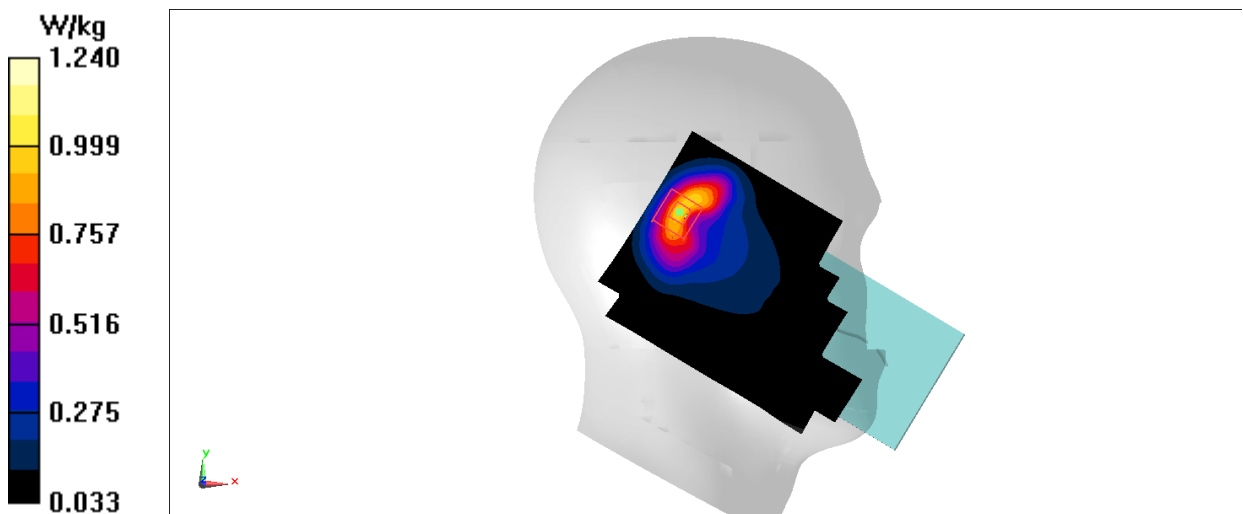


Fig A.22

LTE850-FDD26_Body

Date: 10/19/2021

Electronics: DAE4 Sn1525

Medium: H835

Medium parameters used (interpolated): $f = 831.5$ MHz; $\sigma = 0.915$ S/m; $\epsilon_r = 44.19$; $\rho = 1000$ kg/m³

Ambient Temperature: 23.1oC Liquid Temperature: 22.1oC

Communication System: LTE Band26 Frequency: 831.5 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN7600 ConvF(10.88, 10.88, 10.88)

Area Scan (91x151x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.594 W/kg

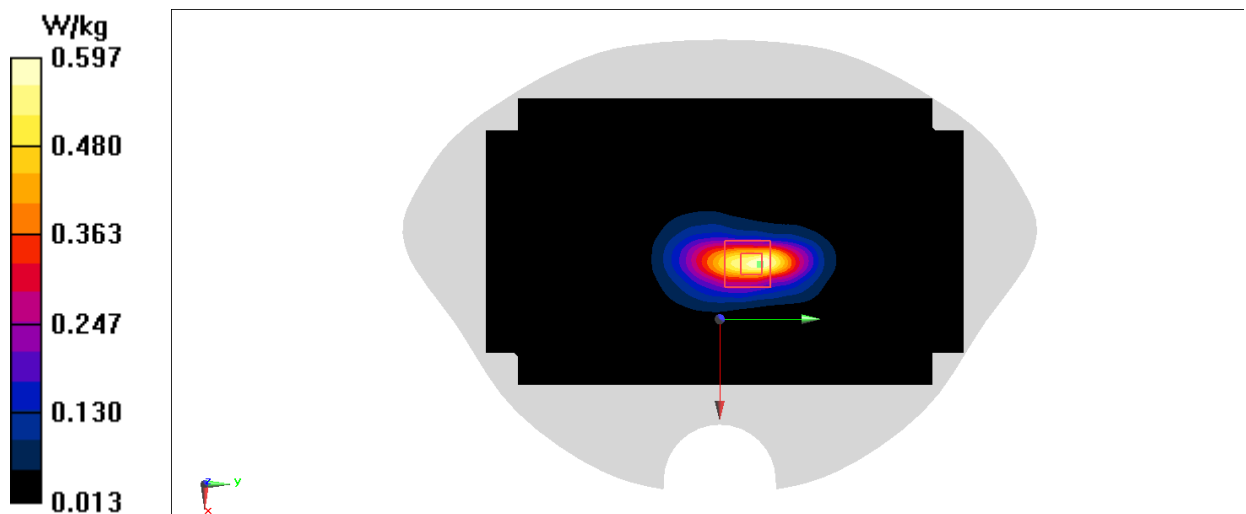
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 23.33 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.760 W/kg

SAR(1 g) = 0.372 W/kg; SAR(10 g) = 0.197 W/kg

Maximum value of SAR (measured) = 0.597 W/kg

**Fig A.23**

LTE2600-TDD41 PC2_Head

Date: 10/30/2021

Electronics: DAE4 Sn1525

Medium: H2600

Medium parameters used (interpolated): $f = 2506$ MHz; $\sigma = 1.962$ S/m; $\epsilon_r = 40.129$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.6oC Liquid Temperature: 22.5oC

Communication System: LTE Band41 Frequency: 2506 MHz Duty Cycle: 1:2.309

Probe: EX3DV4 - SN7600 ConvF(7.79, 7.79, 7.79)

Area Scan (101x171x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 1.15 W/kg

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

Reference Value = 1.533 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 2.01 W/kg

SAR(1 g) = 0.768 W/kg; SAR(10 g) = 0.292 W/kg

Maximum value of SAR (measured) = 1.39 W/kg

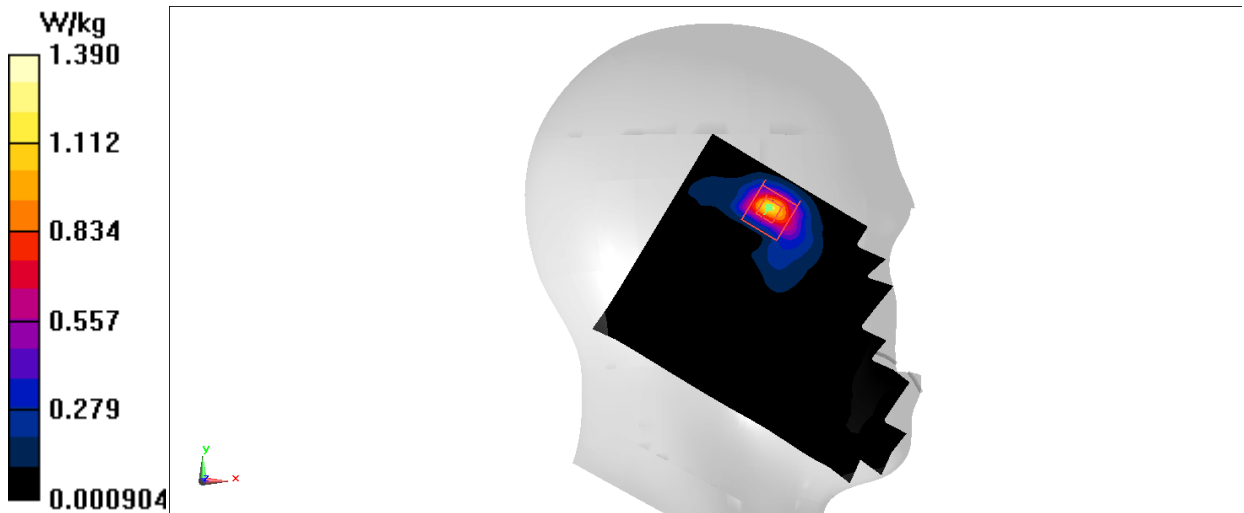


Fig A.24

LTE2600-TDD41 PC2_Body

Date: 10/30/2021

Electronics: DAE4 Sn1525

Medium: H2600

Medium parameters used: $f = 2550$ MHz; $\sigma = 2.003$ S/m; $\epsilon_r = 40.08$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.6oC Liquid Temperature: 22.5oC

Communication System: LTE Band41 (0) Frequency: 2549.5 MHz Duty Cycle: 1:2.309

Probe: EX3DV4 - SN7600 ConvF(7.79, 7.79, 7.79)

Area Scan (51x171x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 1.86 W/kg

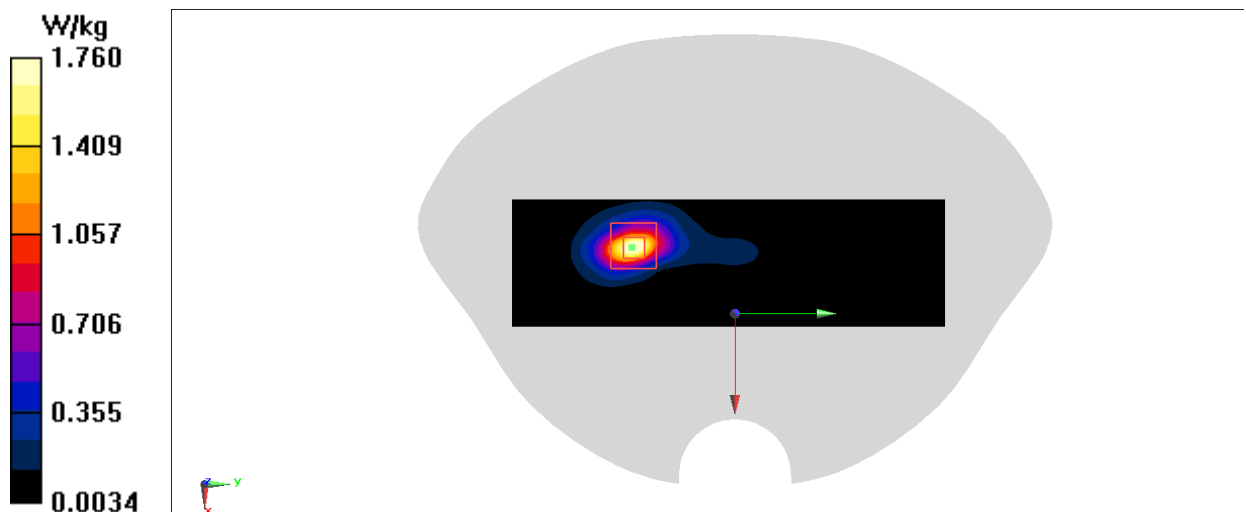
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.296 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 2.24 W/kg

SAR(1 g) = 1.01 W/kg; SAR(10 g) = 0.425 W/kg

Maximum value of SAR (measured) = 1.76 W/kg

**Fig A.25**

LTE2600-TDD41 PC2_Body

Date: 10/30/2021

Electronics: DAE4 Sn1525

Medium: H2600

Medium parameters used: $f = 2550$ MHz; $\sigma = 2.003$ S/m; $\epsilon_r = 40.08$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.6oC Liquid Temperature: 22.5oC

Communication System: LTE Band41 (0) Frequency: 2549.5 MHz Duty Cycle: 1:2.309

Probe: EX3DV4 - SN7600 ConvF(7.79, 7.79, 7.79)

Area Scan (111x191x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.684 W/kg

Zoom Scan (7x8x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.559 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 0.846 W/kg

SAR(1 g) = 0.428 W/kg; SAR(10 g) = 0.207 W/kg

Maximum value of SAR (measured) = 0.692 W/kg

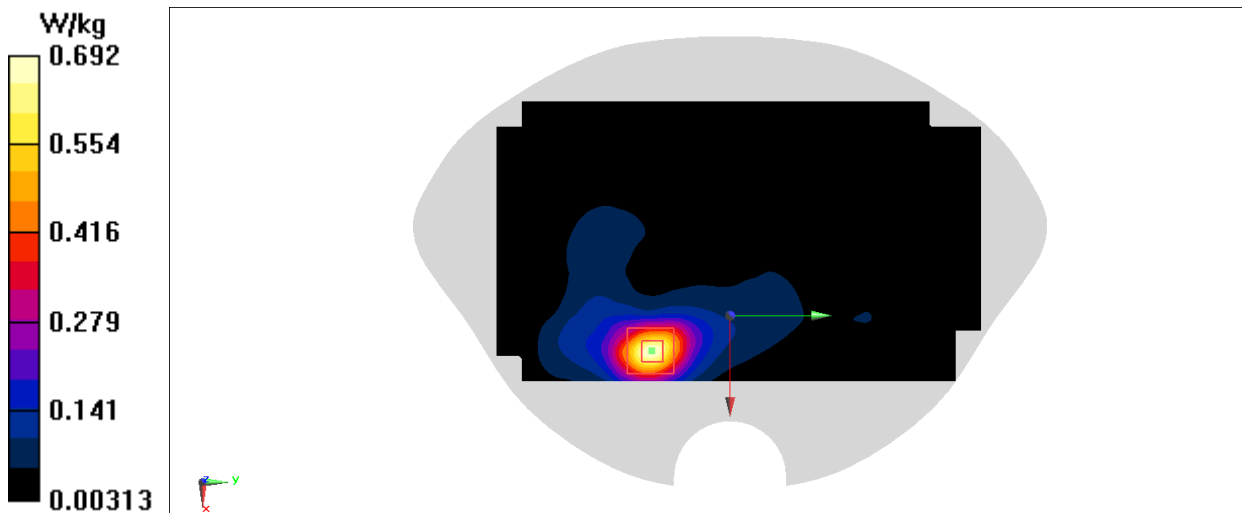


Fig A.26

LTE2600-TDD41 PC3_Head

Date: 10/30/2021

Electronics: DAE4 Sn1525

Medium: H2600

Medium parameters used: $f = 2550$ MHz; $\sigma = 2.003$ S/m; $\epsilon_r = 40.08$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.6oC Liquid Temperature: 22.5oC

Communication System: LTE Band41 Frequency: 2549.5 MHz Duty Cycle: 1:1.5787

Probe: EX3DV4 - SN7600 ConvF(7.79, 7.79, 7.79)

Area Scan (101x171x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.827 W/kg

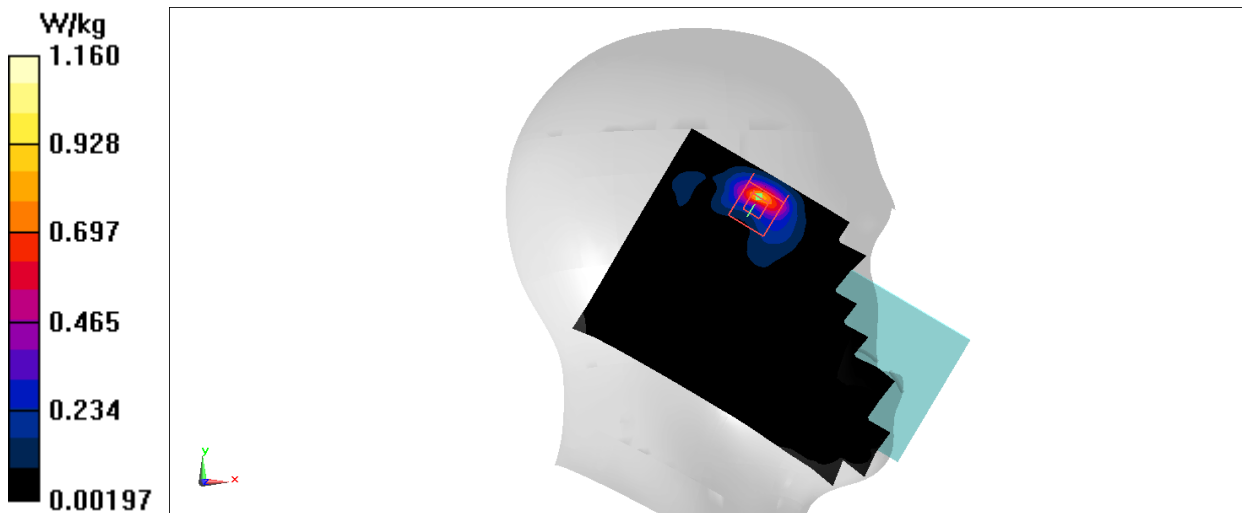
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 1.665 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 1.58 W/kg

SAR(1 g) = 0.616 W/kg; SAR(10 g) = 0.240 W/kg

Maximum value of SAR (measured) = 1.16 W/kg

**Fig A.27**

LTE2600-TDD41 PC3_Body

Date: 10/30/2021

Electronics: DAE4 Sn1525

Medium: H2600

Medium parameters used: $f = 2550$ MHz; $\sigma = 2.003$ S/m; $\epsilon_r = 40.08$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.6oC Liquid Temperature: 22.5oC

Communication System: LTE Band41 Frequency: 2549.5 MHz Duty Cycle: 1:1.5787

Probe: EX3DV4 - SN7600 ConvF(7.79, 7.79, 7.79)

Area Scan (51x171x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 1.47 W/kg

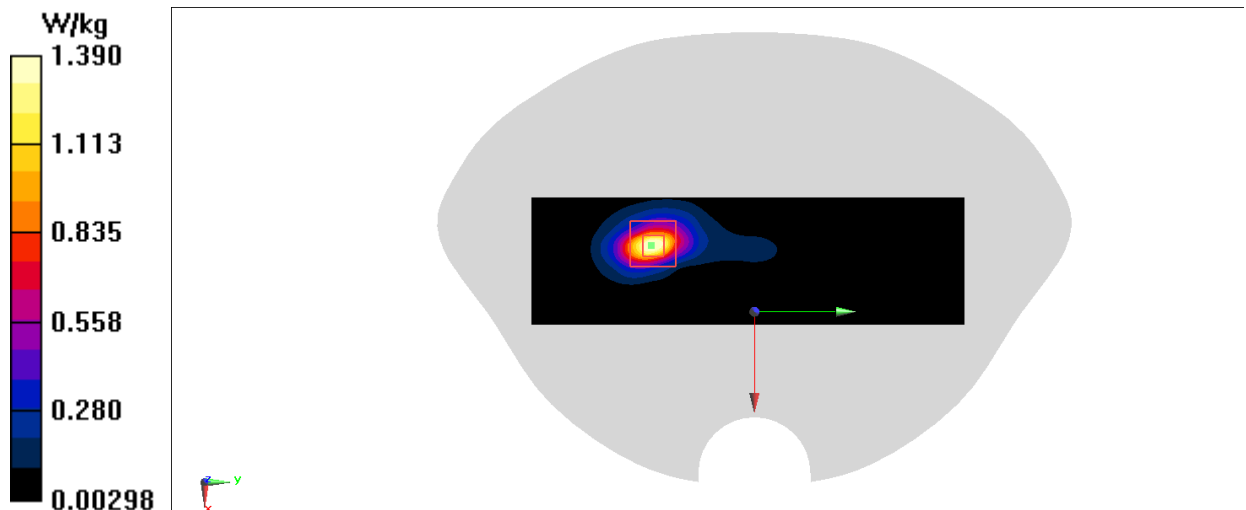
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.720 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 1.78 W/kg

SAR(1 g) = 0.789 W/kg; SAR(10 g) = 0.329 W/kg

Maximum value of SAR (measured) = 1.39 W/kg

**Fig A.28**

LTE2600-TDD41 PC3_Body

Date: 10/30/2021

Electronics: DAE4 Sn1525

Medium: H2600

Medium parameters used: $f = 2550$ MHz; $\sigma = 2.003$ S/m; $\epsilon_r = 40.08$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.6oC Liquid Temperature: 22.5oC

Communication System: LTE Band41 Frequency: 2549.5 MHz Duty Cycle: 1:1.5787

Probe: EX3DV4 - SN7600 ConvF(7.79, 7.79, 7.79)

Area Scan (111x191x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.512 W/kg

Zoom Scan (7x8x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.578 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.632 W/kg

SAR(1 g) = 0.317 W/kg; SAR(10 g) = 0.153 W/kg

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

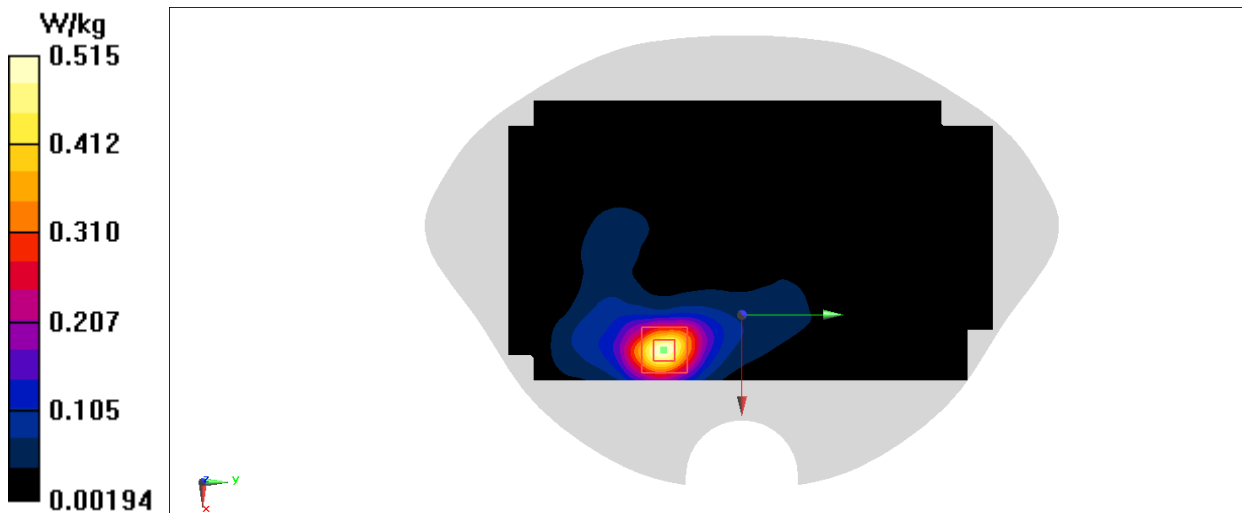


Fig A.29

LTE1700-FDD66_Head

Date: 10/15/2021

Electronics: DAE4 Sn1525

Medium: H1750

Medium parameters used: $f = 1720$ MHz; $\sigma = 1.37$ S/m; $\epsilon_r = 43.35$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.9°C Liquid Temperature: 22.7°C

Communication System: LTE Band66 Frequency: 1720 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN7600 ConvF(9.01, 9.01, 9.01)

Area Scan (81x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

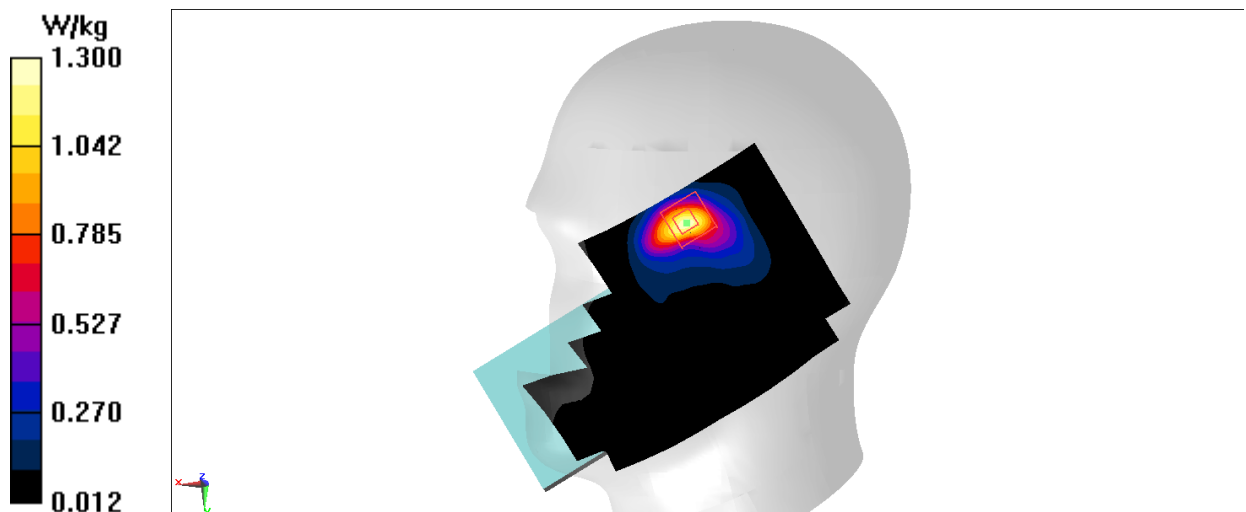
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.815 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 1.64 W/kg

SAR(1 g) = 0.793 W/kg; SAR(10 g) = 0.380 W/kg

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

**Fig A.30**

LTE1700-FDD66_Body

Date: 10/15/2021

Electronics: DAE4 Sn1525

Medium: H1750

Medium parameters used: $f = 1720$ MHz; $\sigma = 1.37$ S/m; $\epsilon_r = 43.35$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.9°C Liquid Temperature: 22.7°C

Communication System: LTE Band66 Frequency: 1720 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN7600 ConvF(9.01, 9.01, 9.01)

Area Scan (91x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.23 W/kg

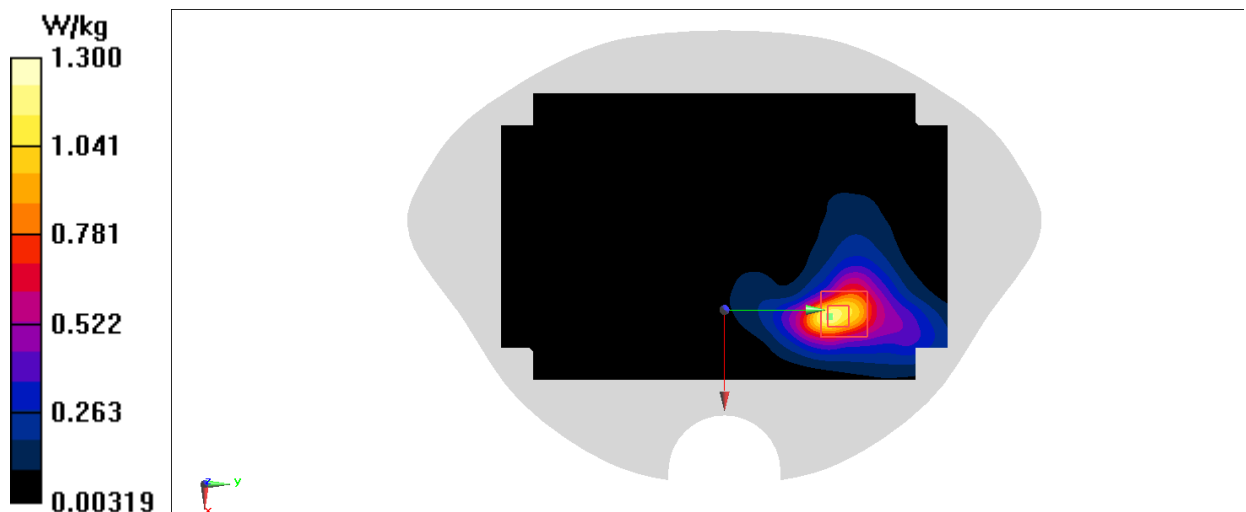
Zoom Scan (5x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.144 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 1.63 W/kg

SAR(1 g) = 0.822 W/kg; SAR(10 g) = 0.431 W/kg

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

**Fig A.31**

LTE1700-FDD66_Body

Date: 10/15/2021

Electronics: DAE4 Sn1525

Medium: H1750

Medium parameters used: $f = 1720$ MHz; $\sigma = 1.37$ S/m; $\epsilon_r = 43.35$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.9°C Liquid Temperature: 22.7°C

Communication System: LTE Band66 Frequency: 1720 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN7600 ConvF(9.01, 9.01, 9.01)

Area Scan (91x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.576 W/kg

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

Reference Value = 6.401 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.712 W/kg

SAR(1 g) = 0.408 W/kg; SAR(10 g) = 0.230 W/kg

Maximum value of SAR (measured) = 0.589 W/kg

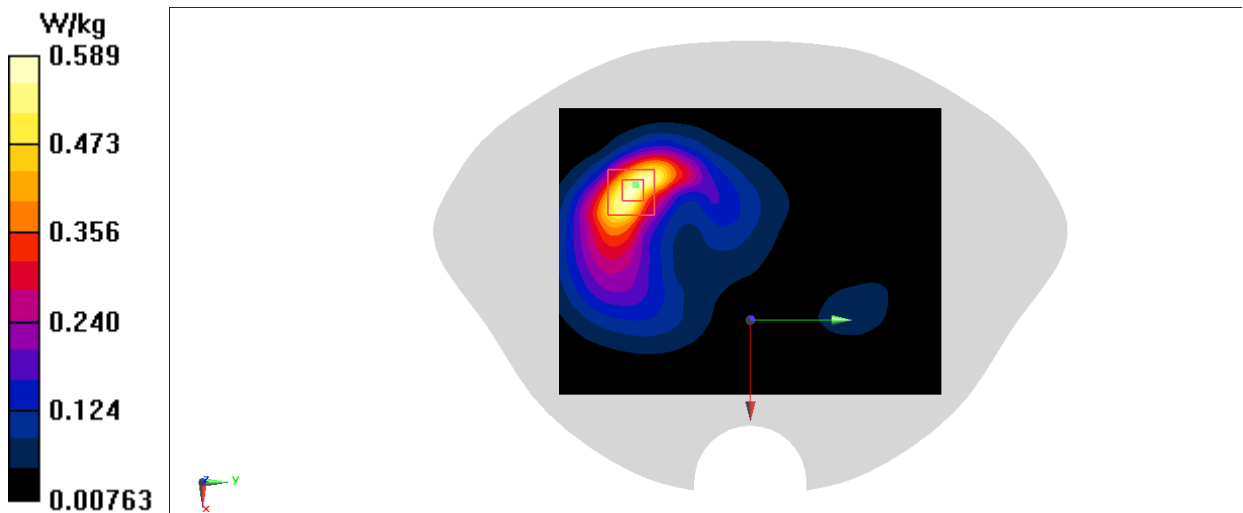


Fig A.32

LTE700-FDD71_Head

Date: 10/1/2021

Electronics: DAE4 Sn1525

Medium: H750

Medium parameters used (extrapolated): $f = 673 \text{ MHz}$; $\sigma = 0.853 \text{ S/m}$; $\epsilon_r = 44.75$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature: 22.8oC Liquid Temperature: 22.3oC

Communication System: LTE Band71 Frequency: 688 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN7600 ConvF(10.88, 10.88, 10.88)

Area Scan (81x141x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

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

Zoom Scan (6x6x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 17.61 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.32 W/kg

SAR(1 g) = 0.439 W/kg; SAR(10 g) = 0.226 W/kg

Maximum value of SAR (measured) = 0.828 W/kg

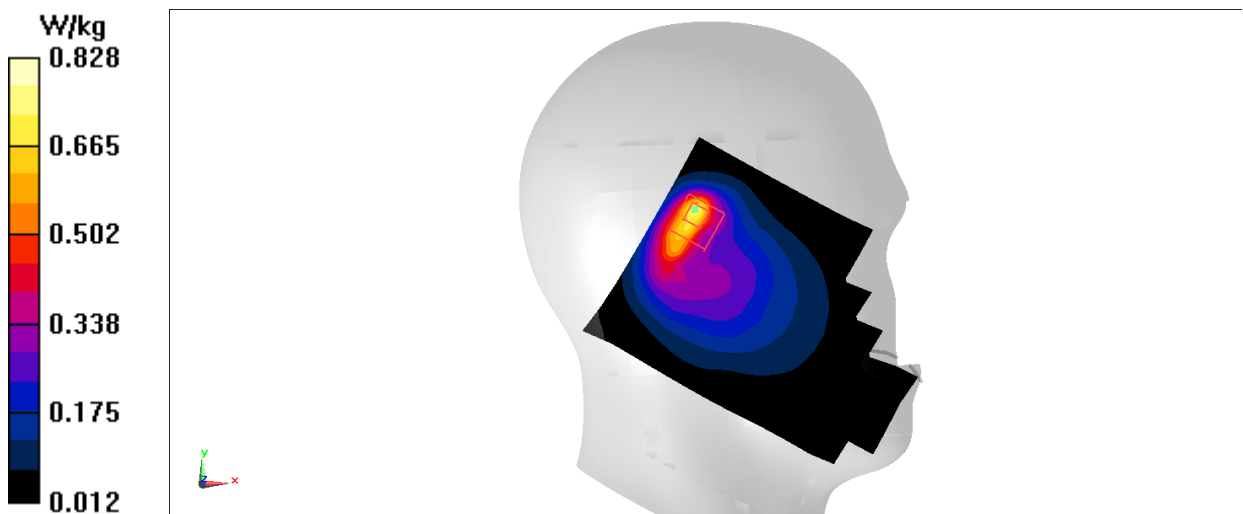


Fig A.33

LTE700-FDD71_Body

Date: 10/1/2021

Electronics: DAE4 Sn1525

Medium: H750

Medium parameters used (extrapolated): $f = 673$ MHz; $\sigma = 0.853$ S/m; $\epsilon_r = 44.75$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.8oC Liquid Temperature: 22.3oC

Communication System: LTE Band71 Frequency: 688 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN7600 ConvF(10.88, 10.88, 10.88)

Area Scan (91x151x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.377 W/kg

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

Reference Value = 22.47 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 0.433 W/kg

SAR(1 g) = 0.286 W/kg; SAR(10 g) = 0.201 W/kg

Maximum value of SAR (measured) = 0.374 W/kg

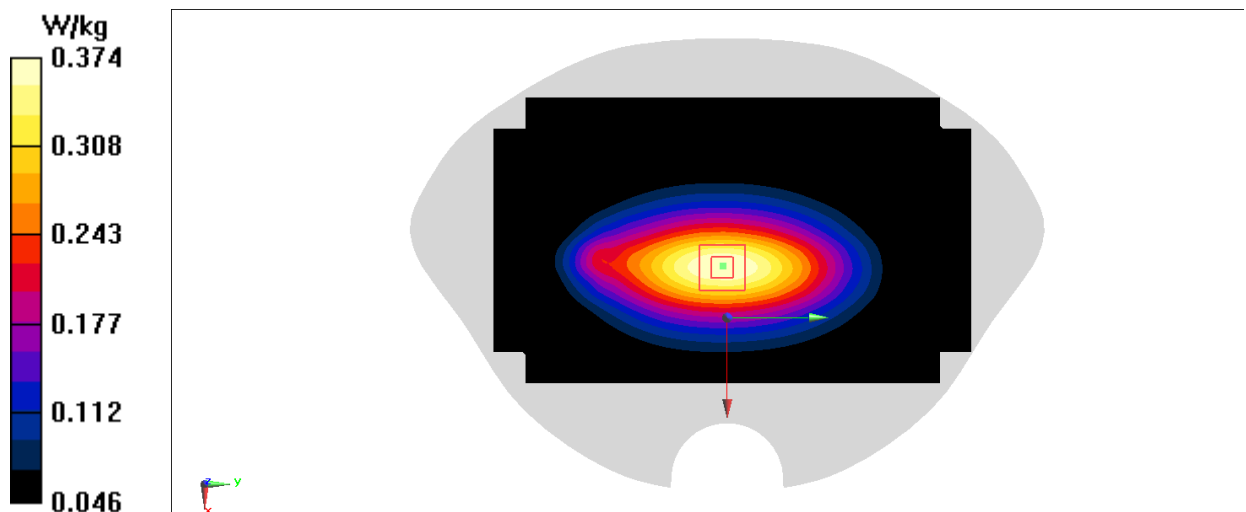


Fig A.34

WLAN2450_Head

Date: 10/27/2021

Electronics: DAE4 Sn1525

Medium: H2450

Medium parameters used (interpolated): $f = 2412$ MHz; $\sigma = 1.891$ S/m; $\epsilon_r = 40.317$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3oC Liquid Temperature: 22.2oC

Communication System: WIFI 2450 Frequency: 2412 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN7600 ConvF(7.79, 7.79, 7.79)

Area Scan (101x171x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 1.26 W/kg

Zoom Scan (8x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 13.23 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 1.51 W/kg

SAR(1 g) = 0.682 W/kg; SAR(10 g) = 0.356 W/kg

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

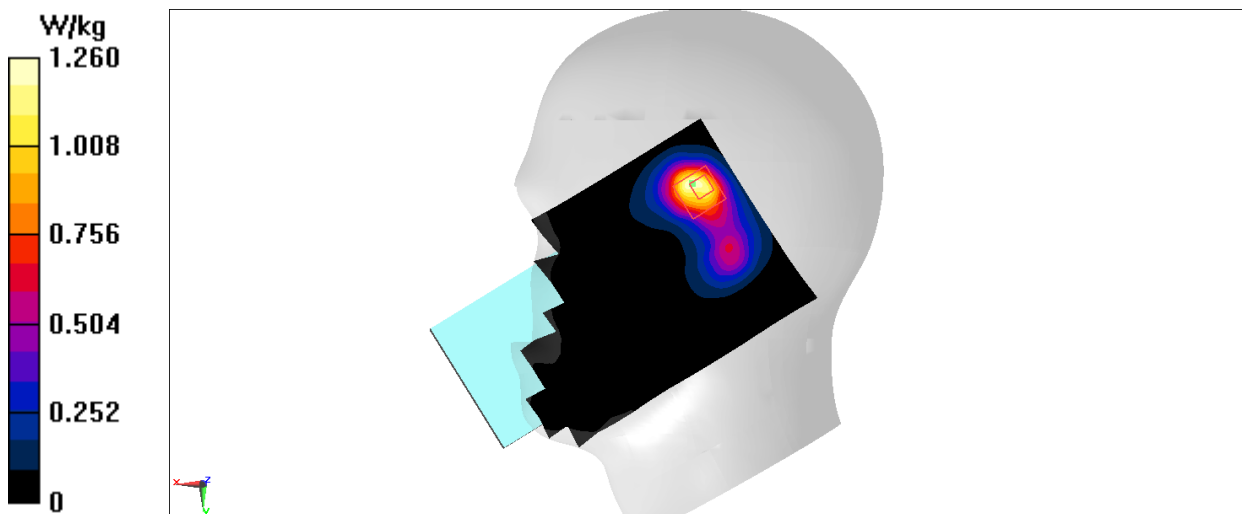


Fig A.35

WLAN2450_Body

Date: 10/27/2021

Electronics: DAE4 Sn1525

Medium: H2450

Medium parameters used (interpolated): $f = 2412$ MHz; $\sigma = 1.891$ S/m; $\epsilon_r = 40.317$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3oC Liquid Temperature: 22.2oC

Communication System: WIFI 2450 Frequency: 2412 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN7600 ConvF(7.79, 7.79, 7.79)

Area Scan (81x151x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

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

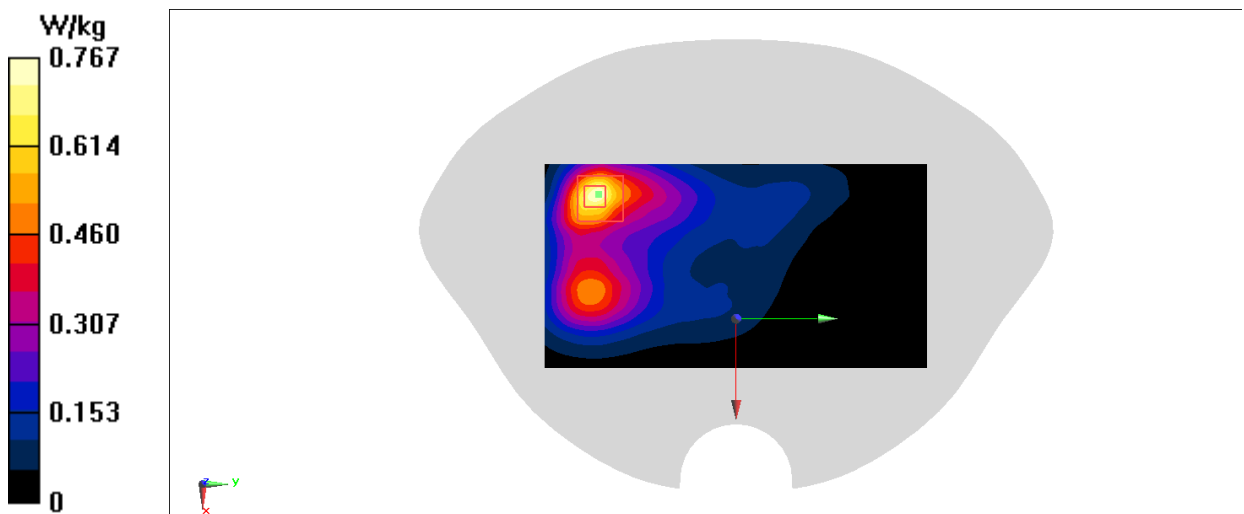
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.300 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.991 W/kg

SAR(1 g) = 0.461 W/kg; SAR(10 g) = 0.228 W/kg

Maximum value of SAR (measured) = 0.766 W/kg

**Fig A.36**

WLAN5G_Head

Date: 10/25/2021

Electronics: DAE4 Sn1525

Medium: H5G

Medium parameters used: $f = 5660$ MHz; $\sigma = 5.112$ S/m; $\epsilon_r = 34.027$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.8oC Liquid Temperature: 22.4oC

Communication System: WLAN 11a Frequency: 5660 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN7600 ConvF(5.11, 5.11, 5.11)

Area Scan (121x211x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.997 W/kg

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

Reference Value = 3.015 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 2.03 W/kg

SAR(1 g) = 0.405 W/kg; SAR(10 g) = 0.116 W/kg

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

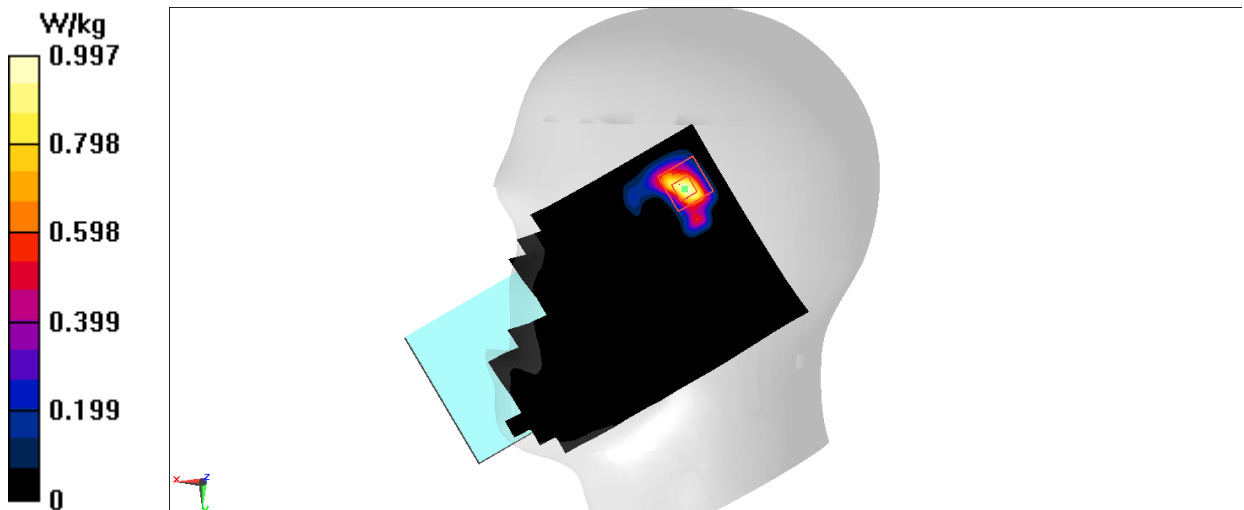


Fig A.37

WLAN5G_Body

Date: 10/25/2021

Electronics: DAE4 Sn1525

Medium: H5G

Medium parameters used: $f = 5660$ MHz; $\sigma = 5.112$ S/m; $\epsilon_r = 34.027$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.8oC Liquid Temperature: 22.4oC

Communication System: WLAN 11a Frequency: 5660 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN7600 ConvF(5.11, 5.11, 5.11)

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

Maximum value of SAR (interpolated) = 1.22 W/kg

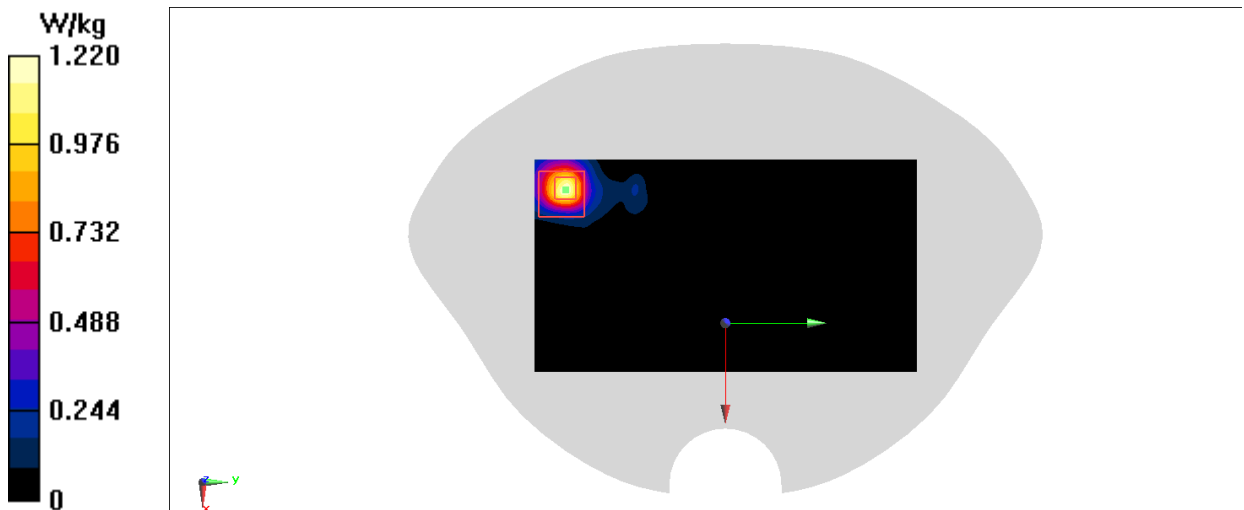
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 0 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 2.04 W/kg

SAR(1 g) = 0.471 W/kg; SAR(10 g) = 0.142 W/kg

Maximum value of SAR (measured) = 1.17 W/kg

**Fig A.38**

BT Head

Date: 10/27/2021

Electronics: DAE4 Sn1525

Medium: H2450

Medium parameters used: $f = 2480$ MHz; $\sigma = 1.941$ S/m; $\epsilon_r = 40.219$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3oC Liquid Temperature: 22.2oC

Communication System: Bluetooth (0) Frequency: 2480 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN7600 ConvF(7.79, 7.79, 7.79)

Area Scan (101x171x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.0242 W/kg

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

Reference Value = 1.696 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 0.0370 W/kg

SAR(1 g) = 0.011 W/kg; SAR(10 g) = 0.00529 W/kg

Maximum value of SAR (measured) = 0.0200 W/kg

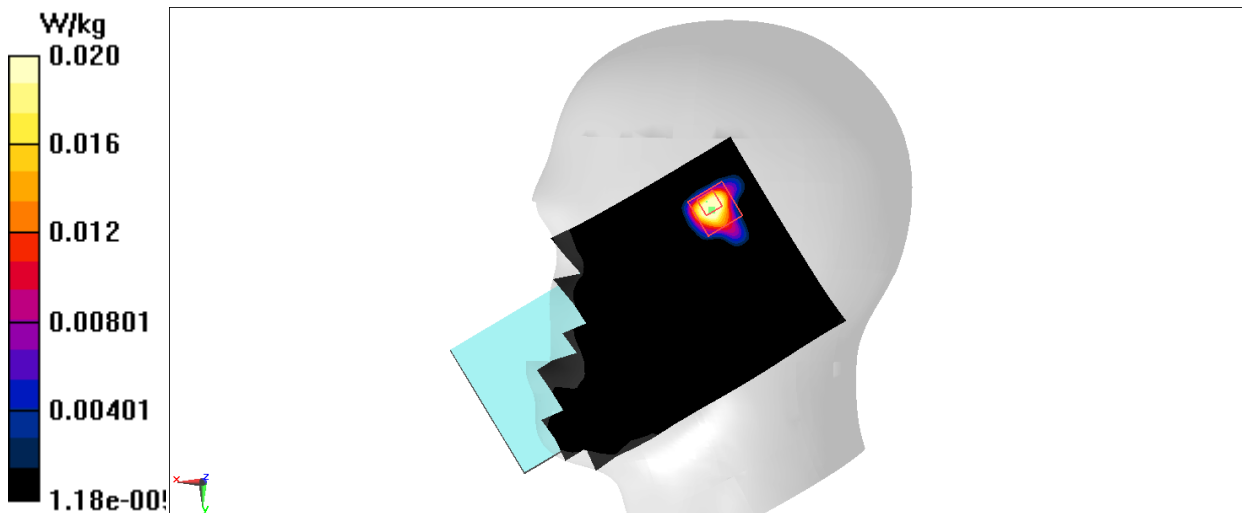


Fig A.39

BT_Body

Date: 10/27/2021

Electronics: DAE4 Sn1525

Medium: H2450

Medium parameters used: $f = 2480$ MHz; $\sigma = 1.941$ S/m; $\epsilon_r = 40.219$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3oC Liquid Temperature: 22.2oC

Communication System: Bluetooth (0) Frequency: 2480 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN7600 ConvF(7.79, 7.79, 7.79)

Area Scan (101x171x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.0210 W/kg

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

Reference Value = 0.5100 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 0.0310 W/kg

SAR(1 g) = 0.011 W/kg; SAR(10 g) = 0.00442 W/kg

Maximum value of SAR (measured) = 0.0182 W/kg

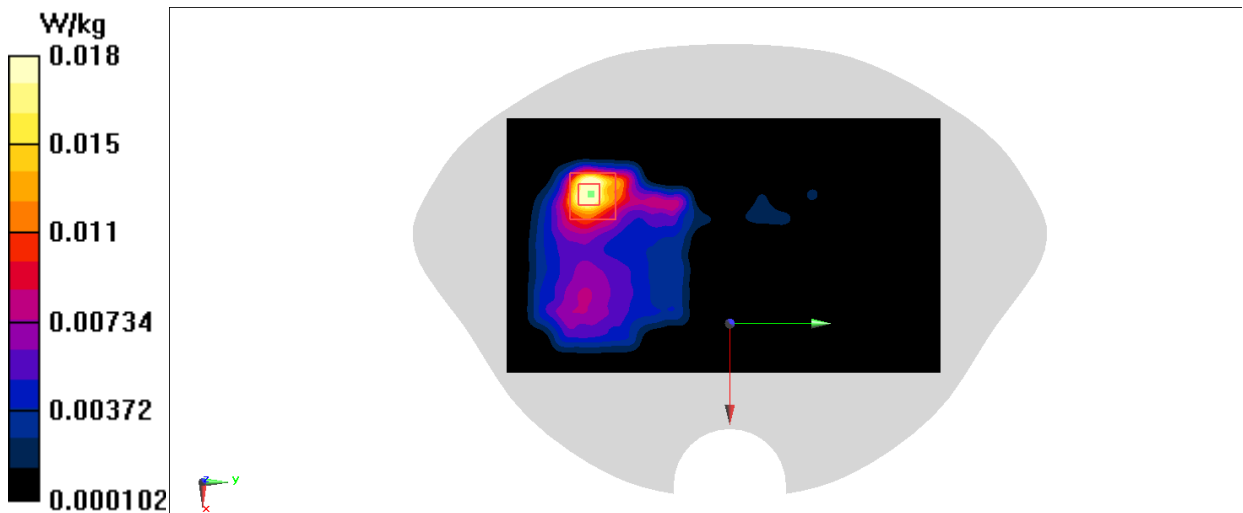


Fig A.40

n25_CH376500 Left Cheek

Date: 10/20/2021

Electronics: DAE4 Sn1525

Medium: H1900

Medium parameters used (interpolated): $f = 1882.5$ MHz; $\sigma = 1.474$ S/m; $\epsilon_r = 43.114$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.9oC Liquid Temperature: 22.5oC

Communication System: 5G N25 Frequency: 1882.5 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN7600 ConvF(8.7, 8.7, 8.7)

Area Scan (81x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.741 W/kg

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

Reference Value = 7.694 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.882 W/kg

SAR(1 g) = 0.434 W/kg; SAR(10 g) = 0.201 W/kg

Maximum value of SAR (measured) = 0.734 W/kg

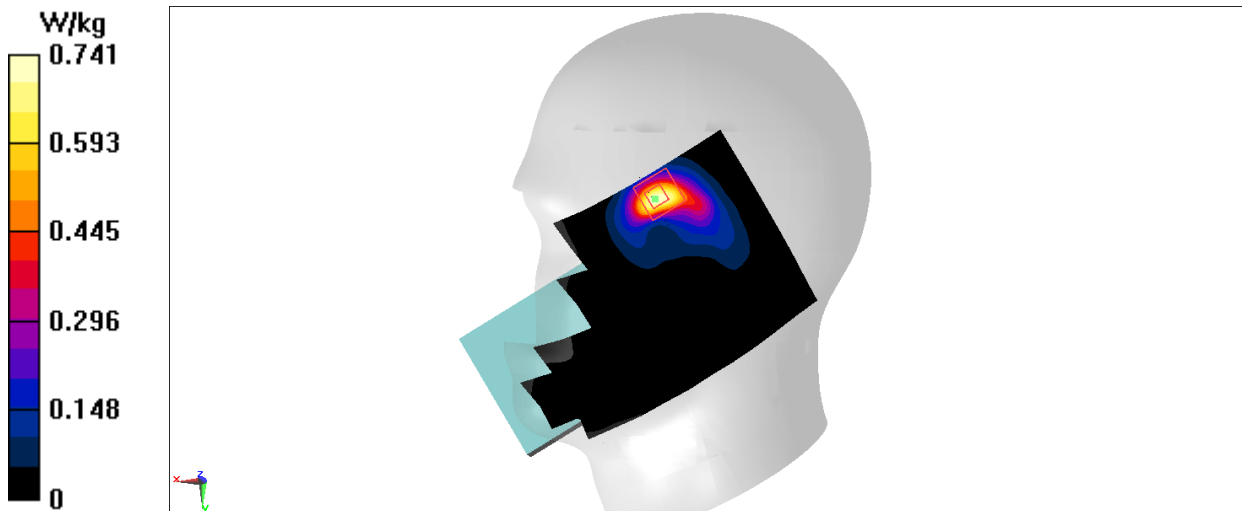


Fig A.41

n25_Body

Date: 10/20/2021

Electronics: DAE4 Sn1525

Medium: H1900

Medium parameters used (interpolated): $f = 1882.5$ MHz; $\sigma = 1.474$ S/m; $\epsilon_r = 43.114$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.9oC Liquid Temperature: 22.5oC

Communication System: 5G N25 Frequency: 1882.5 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN7600 ConvF(8.7, 8.7, 8.7)

Area Scan (41x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

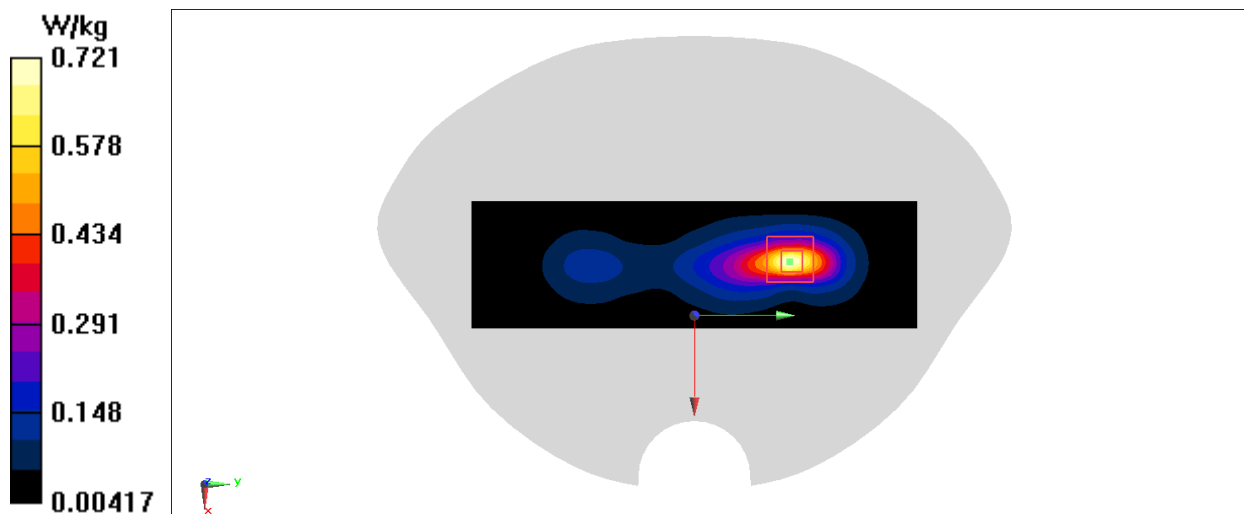
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.374 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 0.854 W/kg

SAR(1 g) = 0.448 W/kg; SAR(10 g) = 0.222 W/kg

Maximum value of SAR (measured) = 0.703 W/kg

**Fig A.42**

n25_Body

Date: 10/20/2021

Electronics: DAE4 Sn1525

Medium: H1900

Medium parameters used (interpolated): $f = 1882.5$ MHz; $\sigma = 1.474$ S/m; $\epsilon_r = 43.114$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.9oC Liquid Temperature: 22.5oC

Communication System: 5G N25 Frequency: 1882.5 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN7600 ConvF(8.7, 8.7, 8.7)

Area Scan (81x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.361 W/kg

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

Reference Value = 5.125 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 0.458 W/kg

SAR(1 g) = 0.258 W/kg; SAR(10 g) = 0.142 W/kg

Maximum value of SAR (measured) = 0.376 W/kg

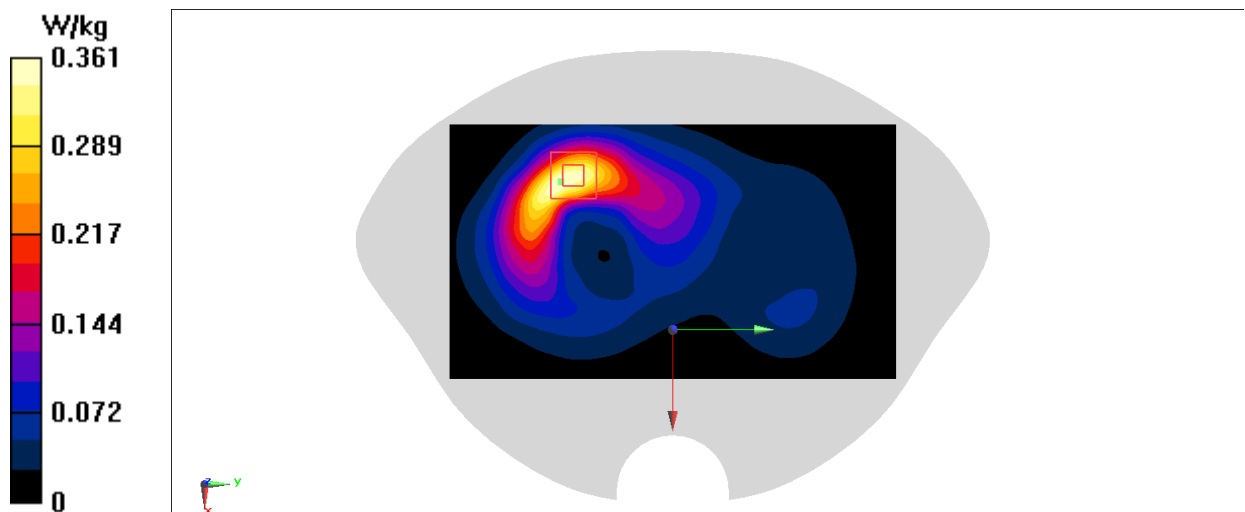


Fig A.43

n41_Head

Date: 11/22/2021

Electronics: DAE4 Sn1525

Medium: H2600

Medium parameters used: $f = 2550$ MHz; $\sigma = 1.942$ S/m; $\epsilon_r = 40.411$; $\rho = 1000$ kg/m³

Ambient Temperature: 23.1°C Liquid Temperature: 22.7°C

Communication System: 5G N41 Frequency: 2549.51 MHz Duty Cycle: 1:2.38013

Probe: EX3DV4 - SN7517 ConvF(7.34, 7.34, 7.34)

Area Scan (101x151x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.206 W/kg

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

Reference Value = 1.033 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 0.374 W/kg

SAR(1 g) = 0.146 W/kg; SAR(10 g) = 0.057 W/kg

Maximum value of SAR (measured) = 0.260 W/kg

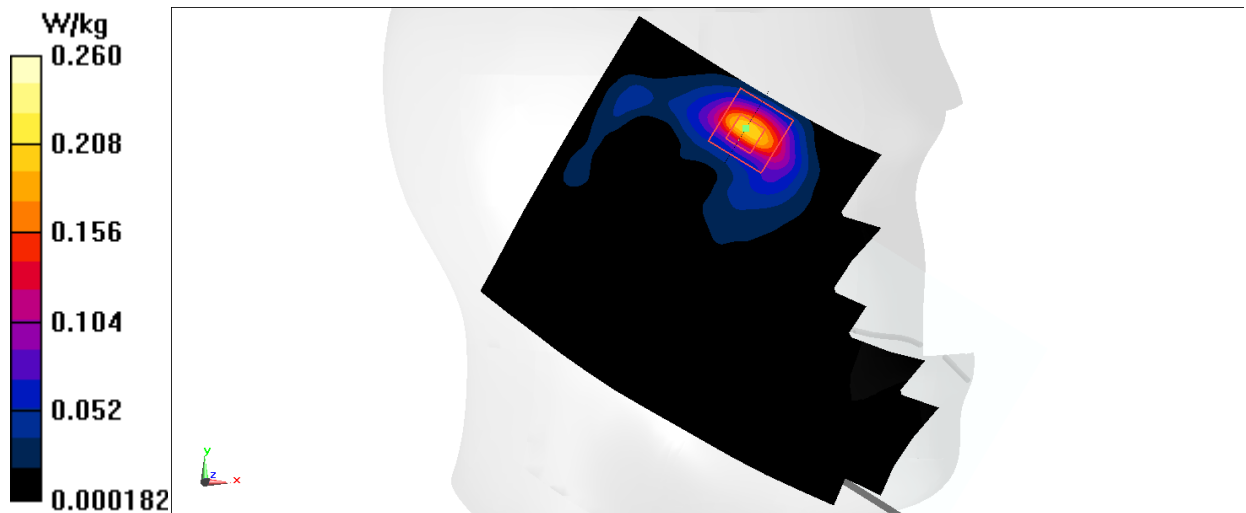


Fig A.44

n41_Body

Date: 11/22/2021

Electronics: DAE4 Sn1525

Medium: H2600

Medium parameters used: $f = 2550$ MHz; $\sigma = 1.942$ S/m; $\epsilon_r = 40.411$; $\rho = 1000$ kg/m³

Ambient Temperature: 23.1°C Liquid Temperature: 22.7°C

Communication System: 5G N41 Frequency: 2549.51 MHz Duty Cycle: 1:2.38013

Probe: EX3DV4 - SN7517 ConvF(7.34, 7.34, 7.34)

Area Scan (101x171x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.345 W/kg

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

Reference Value = 3.353 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 0.417 W/kg

SAR(1 g) = 0.191 W/kg; SAR(10 g) = 0.084 W/kg

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

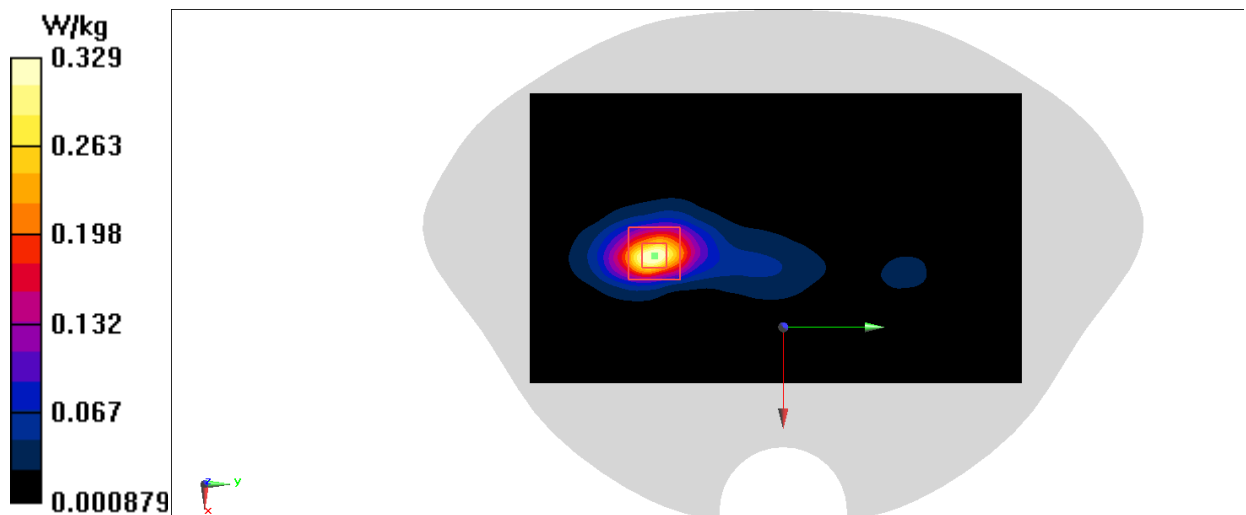


Fig A.45

n41_Body_NSA

Date: 10/28/2021

Electronics: DAE4 Sn1525

Medium: H2600

Medium parameters used: $f = 2550$ MHz; $\sigma = 1.957$ S/m; $\epsilon_r = 40.681$; $\rho = 1000$ kg/m³

Ambient Temperature: 23.3oC Liquid Temperature: 22.9oC

Communication System: 5G N41 Frequency: 2549.51 MHz Duty Cycle: 1:2.38013

Probe: EX3DV4 - SN7600 ConvF(7.79, 7.79, 7.79)

Area Scan (101x171x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.964 W/kg

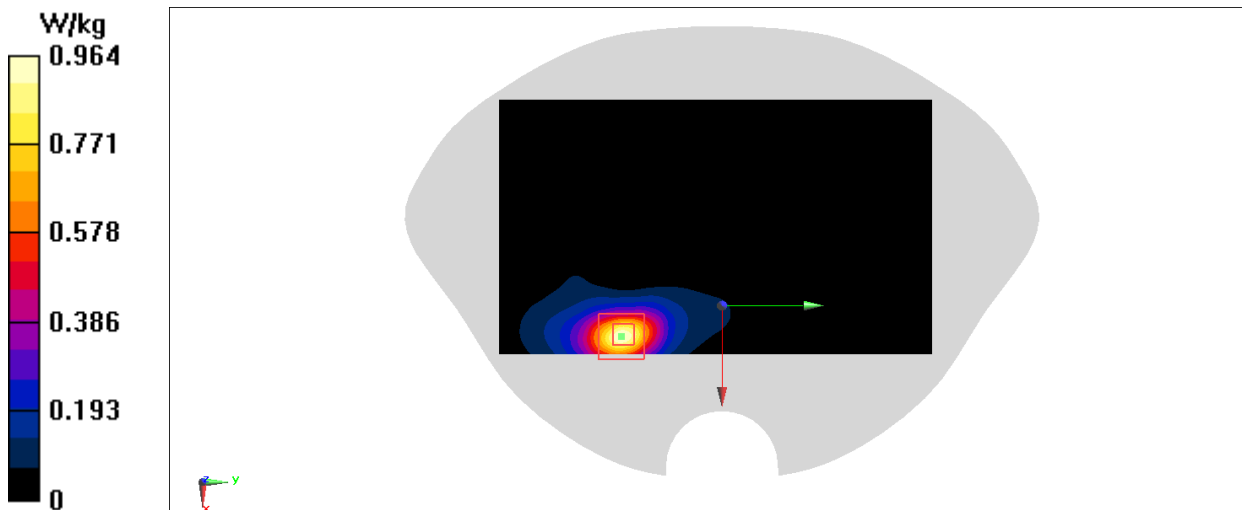
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.946 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 1.14 W/kg

SAR(1 g) = 0.573 W/kg; SAR(10 g) = 0.275 W/kg

Maximum value of SAR (measured) = 0.920 W/kg

**Fig A.46**

n41_Body_SA

Date: 11/22/2021

Electronics: DAE4 Sn1525

Medium: H2600

Medium parameters used: $f = 2550$ MHz; $\sigma = 1.942$ S/m; $\epsilon_r = 40.411$; $\rho = 1000$ kg/m³

Ambient Temperature: 23.1°C Liquid Temperature: 22.7°C

Communication System: 5G N41 Frequency: 2549.51 MHz Duty Cycle: 1:2.38013

Probe: EX3DV4 - SN7517 ConvF(7.34, 7.34, 7.34)

Area Scan (101x171x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.622 W/kg

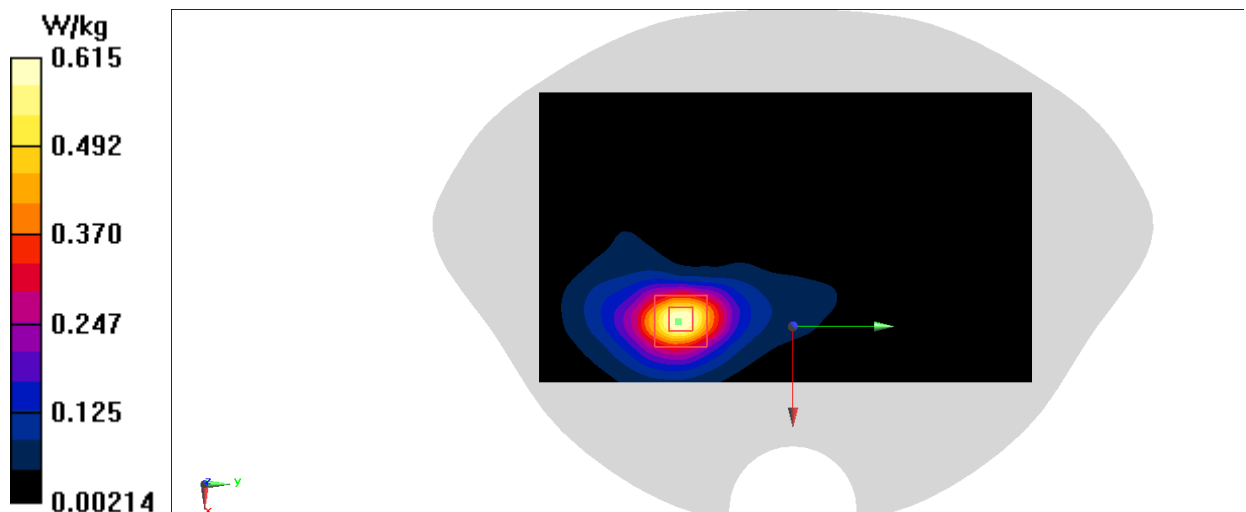
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.560 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.762 W/kg

SAR(1 g) = 0.382 W/kg; SAR(10 g) = 0.186 W/kg

Maximum value of SAR (measured) = 0.615 W/kg

**Fig A.47**

n66_Head

Date: 10/22/2021

Electronics: DAE4 Sn1525

Medium: H1750

Medium parameters used (interpolated): $f = 1777.5$ MHz; $\sigma = 1.407$ S/m; $\epsilon_r = 43.338$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.8oC Liquid Temperature: 22.4oC

Communication System: N66 (0) Frequency: 1777.5 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN7600 ConvF(9.01, 9.01, 9.01)

Area Scan (81x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.581 W/kg

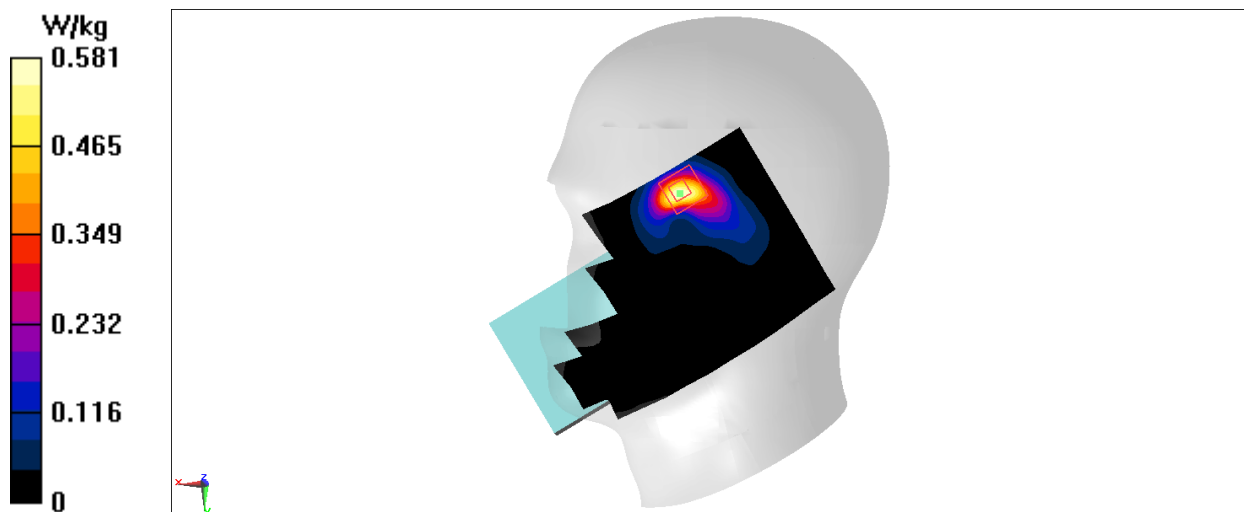
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.135 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 0.742 W/kg

SAR(1 g) = 0.353 W/kg; SAR(10 g) = 0.165 W/kg

Maximum value of SAR (measured) = 0.585 W/kg

**Fig A.48**

n66_Body

Date: 10/22/2021

Electronics: DAE4 Sn1525

Medium: H1750

Medium parameters used (interpolated): $f = 1777.5$ MHz; $\sigma = 1.407$ S/m; $\epsilon_r = 43.338$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.8oC Liquid Temperature: 22.4oC

Communication System: N66 (0) Frequency: 1777.5 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN7600 ConvF(9.01, 9.01, 9.01)

Area Scan (81x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.495 W/kg

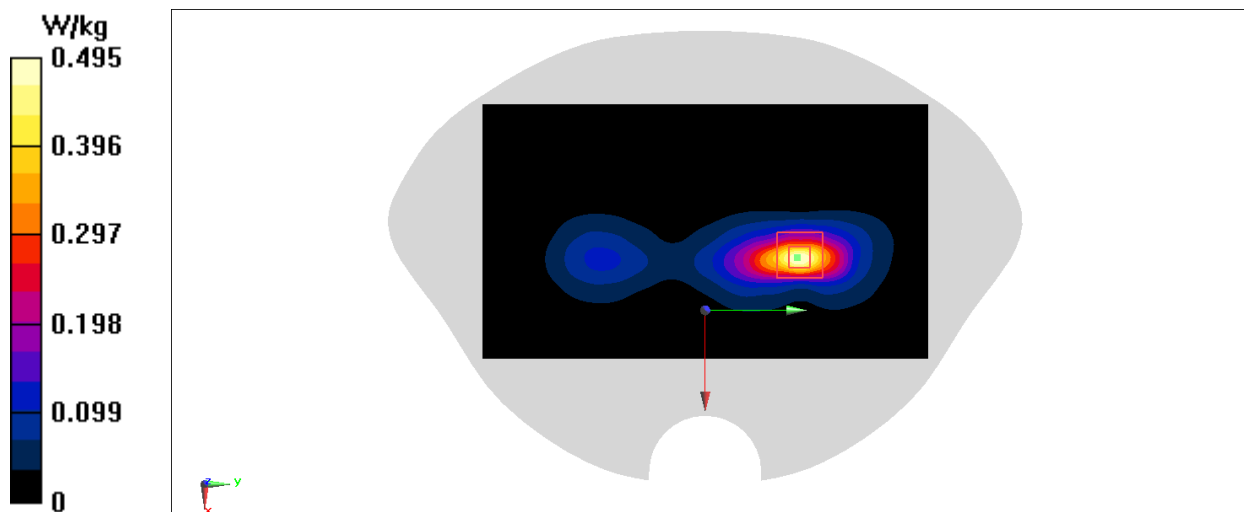
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.418 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.618 W/kg

SAR(1 g) = 0.343 W/kg; SAR(10 g) = 0.169 W/kg

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

**Fig A.49**

n66_Body

Date: 10/22/2021

Electronics: DAE4 Sn1525

Medium: H1750

Medium parameters used (interpolated): $f = 1712.5$ MHz; $\sigma = 1.366$ S/m; $\epsilon_r = 43.36$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.8oC Liquid Temperature: 22.4oC

Communication System: N66 Frequency: 1712.5 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN7600 ConvF(9.01, 9.01, 9.01)

Area Scan (81x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

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

Reference Value = 5.092 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.534 W/kg

SAR(1 g) = 0.299 W/kg; SAR(10 g) = 0.172 W/kg

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

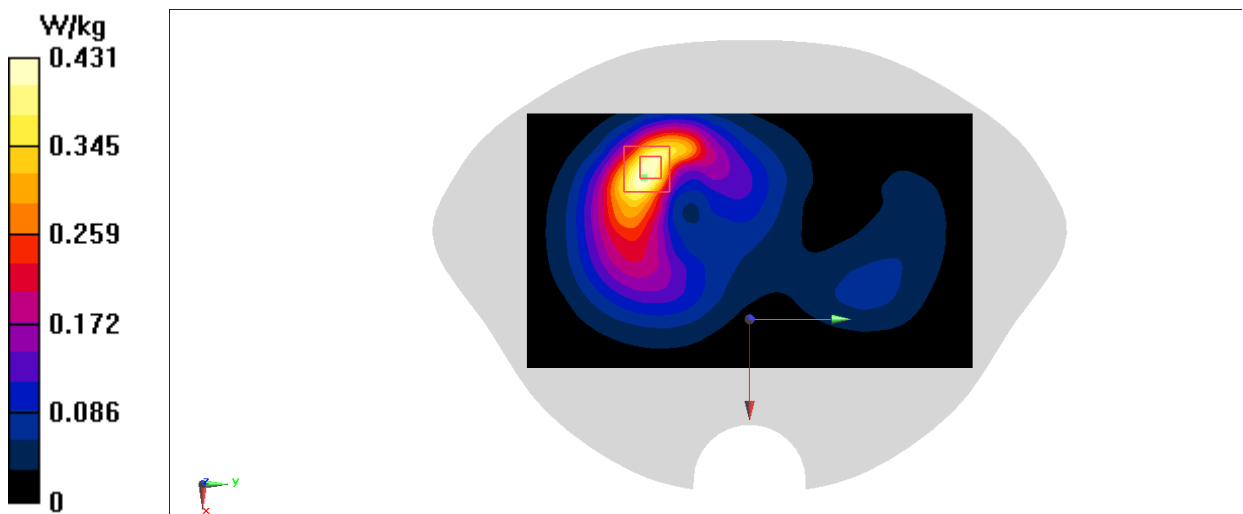


Fig A.50

n71_Head

Date: 10/24/2021

Electronics: DAE4 Sn1525

Medium: H750

Medium parameters used (extrapolated): $f = 665.5$ MHz; $\sigma = 0.841$ S/m; $\epsilon_r = 46.013$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.9oC Liquid Temperature: 22.7oC

Communication System: 5G N71 Frequency: 665.5 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN7600 ConvF(10.88, 10.88, 10.88)

Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.631 W/kg

Zoom Scan (6x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.78 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.918 W/kg

SAR(1 g) = 0.302 W/kg; SAR(10 g) = 0.155 W/kg

Maximum value of SAR (measured) = 0.631 W/kg

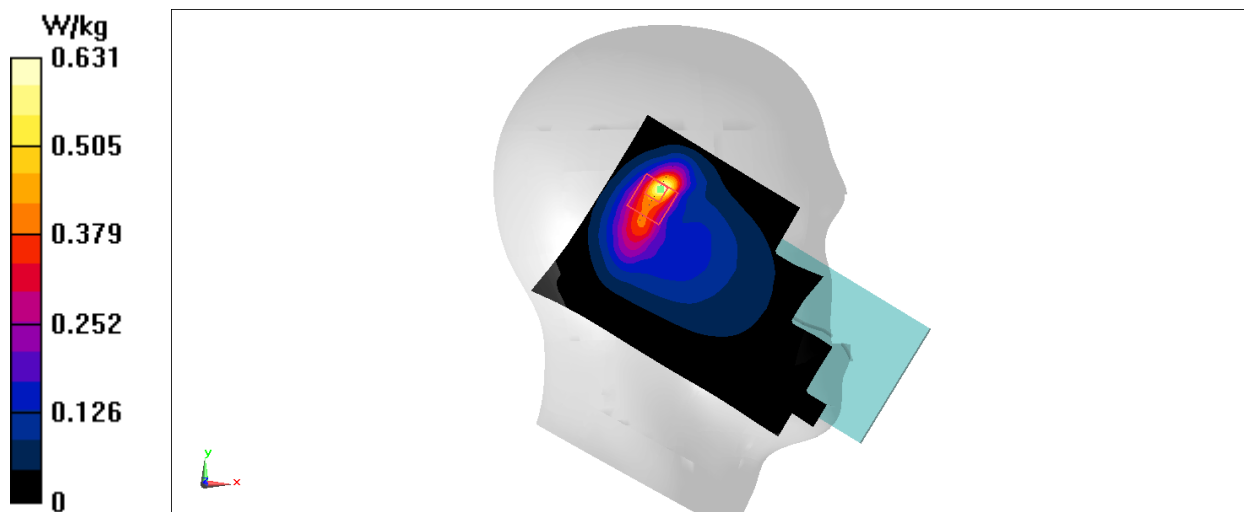


Fig A.51

n71_Head

Date: 10/24/2021

Electronics: DAE4 Sn1525

Medium: H750

Medium parameters used (extrapolated): $f = 665.5$ MHz; $\sigma = 0.841$ S/m; $\epsilon_r = 46.013$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.9oC Liquid Temperature: 22.7oC

Communication System: 5G N71 Frequency: 665.5 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN7600 ConvF(10.88, 10.88, 10.88)

Configuration/Head Left Tilt CP-64QAM 5M 2-0 19/Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.358 W/kg

Configuration/Head Left Tilt CP-64QAM 5M 2-0 19/Zoom Scan (6x5x7)/Cube 0:

Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.66 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.523 W/kg

SAR(1 g) = 0.176 W/kg; SAR(10 g) = 0.092 W/kg

Maximum value of SAR (measured) = 0.362 W/kg

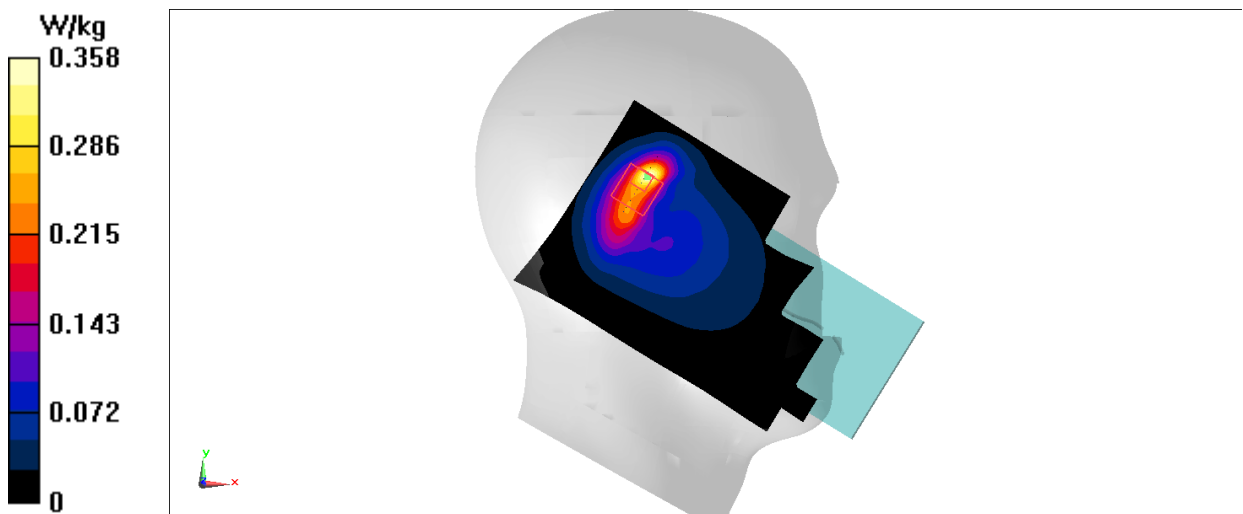


Fig A.52

n71_Body

Date: 10/24/2021

Electronics: DAE4 Sn1525

Medium: H750

Medium parameters used (extrapolated): $f = 665.5$ MHz; $\sigma = 0.841$ S/m; $\epsilon_r = 46.013$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.9oC Liquid Temperature: 22.7oC

Communication System: 5G N71 Frequency: 665.5 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN7600 ConvF(10.88, 10.88, 10.88)

Area Scan (91x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

Zoom Scan (6x9x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.43 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.246 W/kg

SAR(1 g) = 0.149 W/kg; SAR(10 g) = 0.111 W/kg

Maximum value of SAR (measured) = 0.202 W/kg

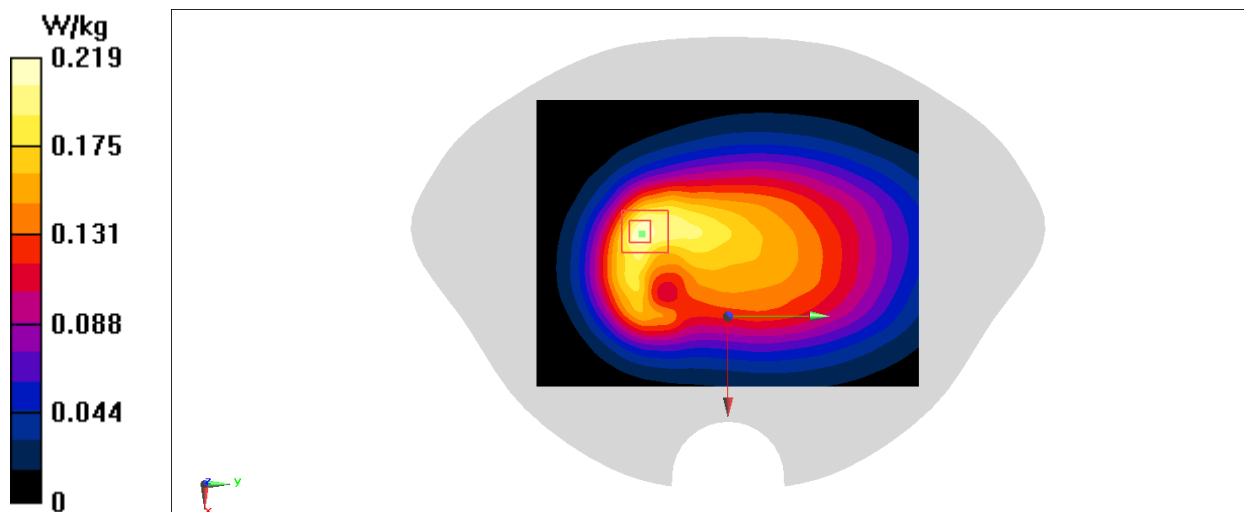


Fig A.53

n77_Head

Date: 11/3/2021

Electronics: DAE4 Sn1525

Medium: H3900

Medium parameters used (interpolated): $f = 3822$ MHz; $\sigma = 3.34$ S/m; $\epsilon_r = 38.06$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.6oC Liquid Temperature: 22.3oC

Communication System: N77 Frequency: 3822 MHz Duty Cycle: 1:2.26986

Probe: EX3DV4 - SN7600 ConvF(6.85, 6.85, 6.85)

Area Scan (101x151x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.212 W/kg

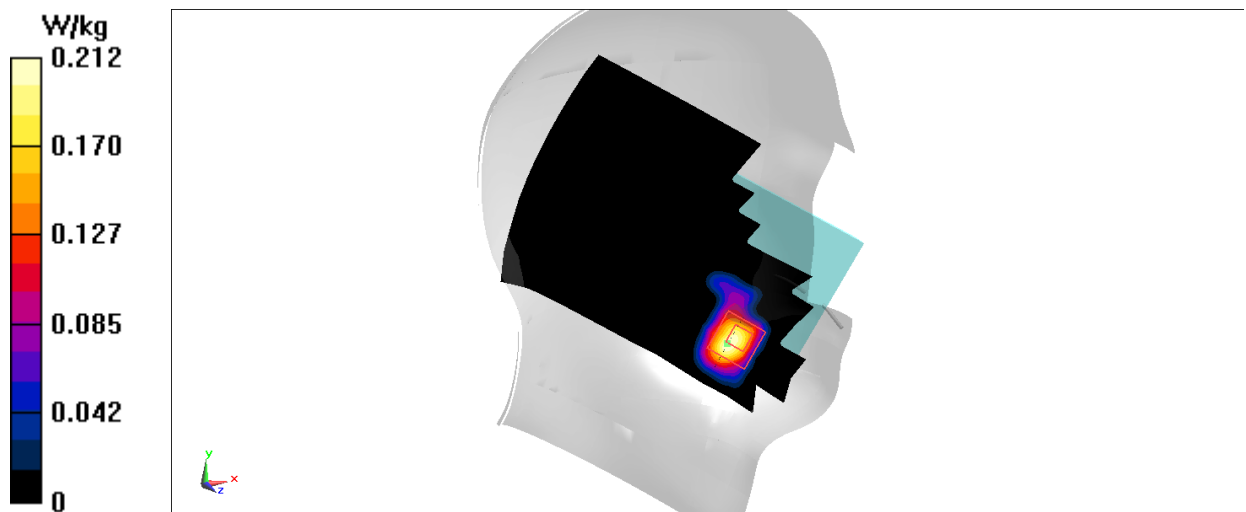
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 0 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 0.237 W/kg

SAR(1 g) = 0.110 W/kg; SAR(10 g) = 0.049 W/kg

Maximum value of SAR (measured) = 0.188 W/kg

**Fig A.54**

n77_Body

Date: 11/3/2021

Electronics: DAE4 Sn1525

Medium: H3900

Medium parameters used: $f = 3970$ MHz; $\sigma = 3.43$ S/m; $\epsilon_r = 37.89$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.6oC Liquid Temperature: 22.3oC

Communication System: N77 Frequency: 3969.99 MHz Duty Cycle: 1:2.26986

Probe: EX3DV4 - SN7600 ConvF(6.85, 6.85, 6.85)

Area Scan (61x181x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.611 W/kg

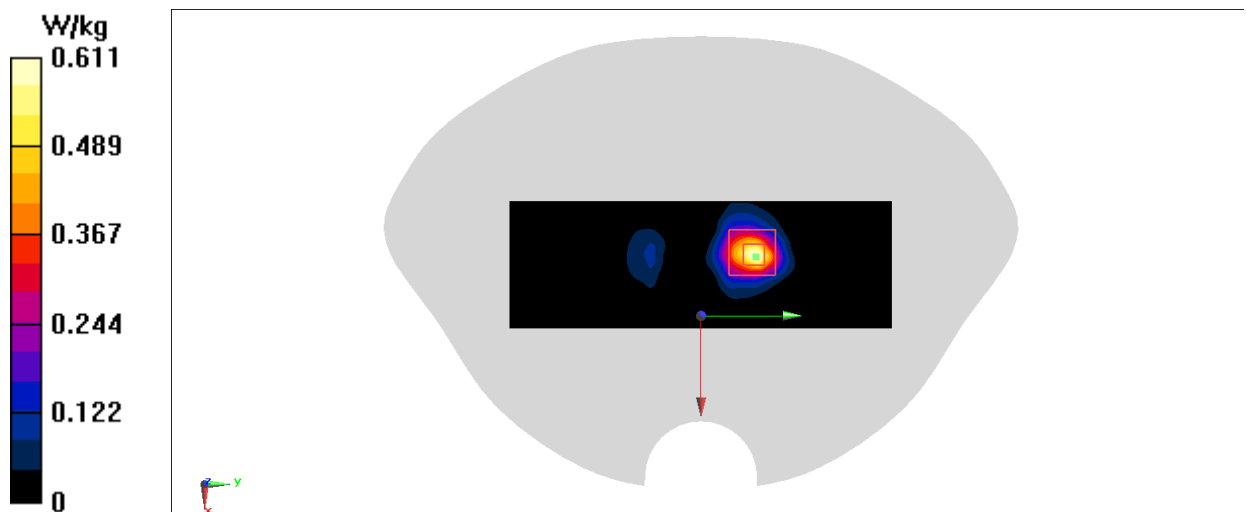
Zoom Scan (9x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 1.226 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.902 W/kg

SAR(1 g) = 0.285 W/kg; SAR(10 g) = 0.099 W/kg

Maximum value of SAR (measured) = 0.597 W/kg

**Fig A.55**

N77_Head

Date: 11/3/2021

Electronics: DAE4 Sn1525

Medium: H3500

Medium parameters used (interpolated): $f = 3500.01$ MHz; $\sigma = 2.963$ S/m; $\epsilon_r = 38.841$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.6oC Liquid Temperature: 22.3oC

Communication System: N77 Frequency: 3500.01 MHz Duty Cycle: 1:2.4497

Probe: EX3DV4 - SN7600 ConvF(7.01, 7.01, 7.01)

Area Scan (101x151x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.0962 W/kg

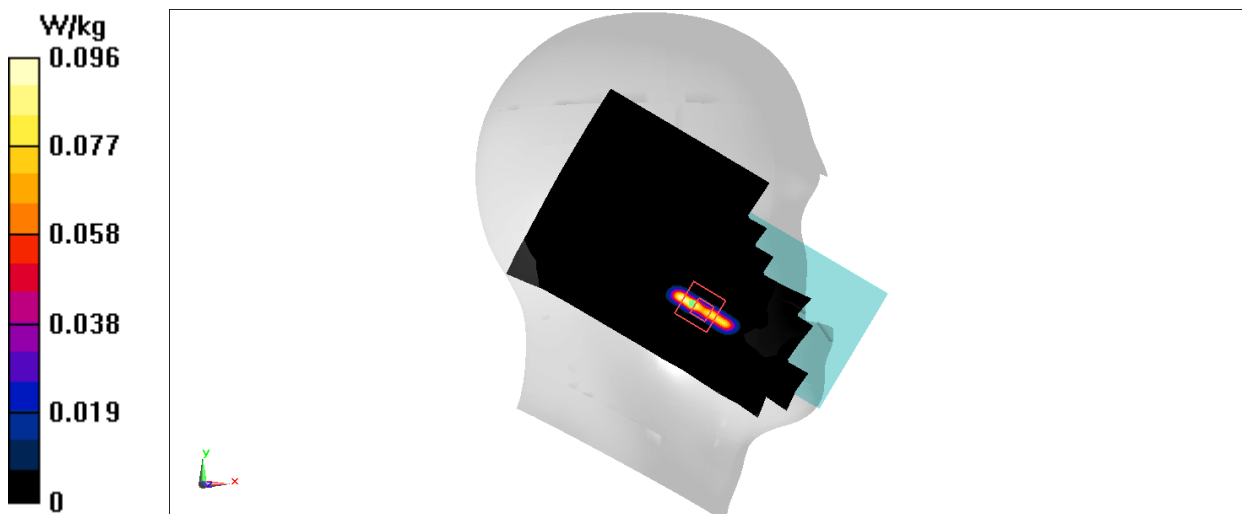
Zoom Scan (7x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 1.247 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.115 W/kg

SAR(1 g) = 0.048 W/kg; SAR(10 g) = 0.015 W/kg

Maximum value of SAR (measured) = 0.0997 W/kg

**Fig A.56**

n77_Body

Date: 11/3/2021

Electronics: DAE4 Sn1525

Medium: H3500

Medium parameters used (interpolated): $f = 3460.02$ MHz; $\sigma = 2.923$ S/m; $\epsilon_r = 38.932$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.6oC Liquid Temperature: 22.3oC

Communication System: N77 Frequency: 3460.02 MHz Duty Cycle: 1:2.26986

Probe: EX3DV4 - SN7600 ConvF(7.01, 7.01, 7.01)

Area Scan (101x171x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

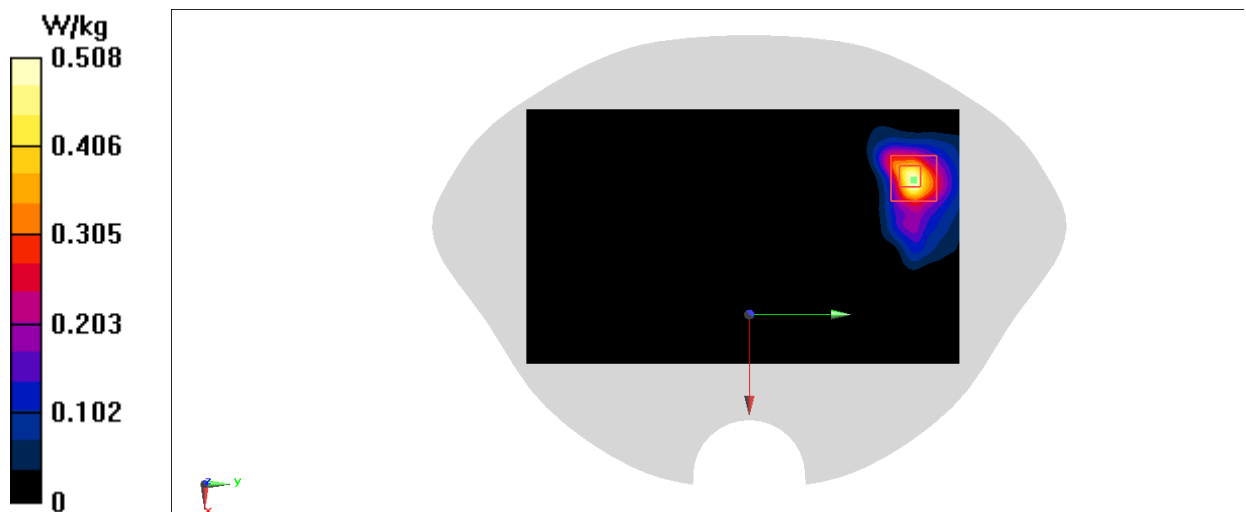
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 0.8560 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.689 W/kg

SAR(1 g) = 0.273 W/kg; SAR(10 g) = 0.105 W/kg

Maximum value of SAR (measured) = 0.500 W/kg

**Fig A.57**

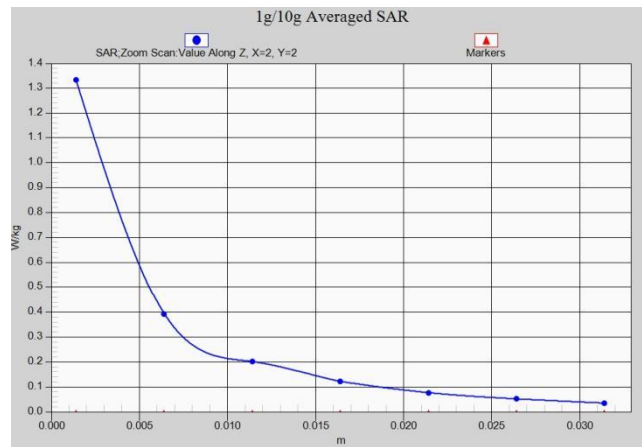


Fig. 1-1 Z-Scan at power reference point (850 MHz)

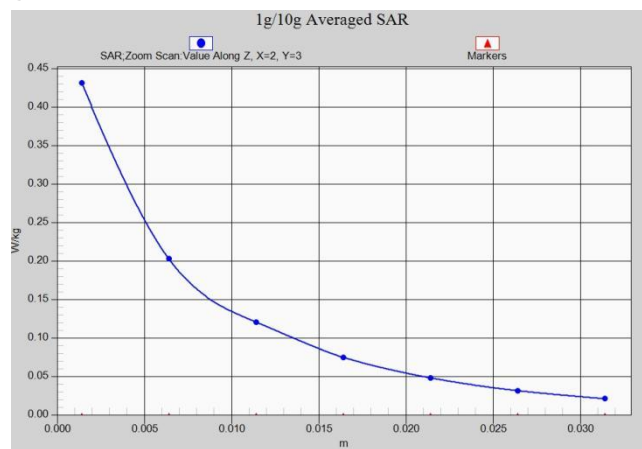


Fig. 1-2 Z-Scan at power reference point (850 MHz)

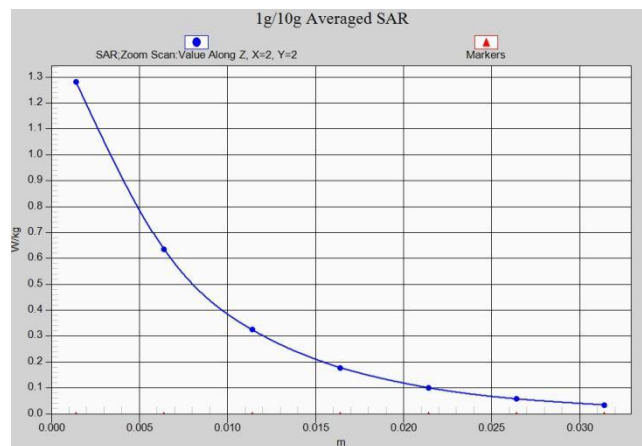


Fig. 1-3 Z-Scan at power reference point (1900 MHz)

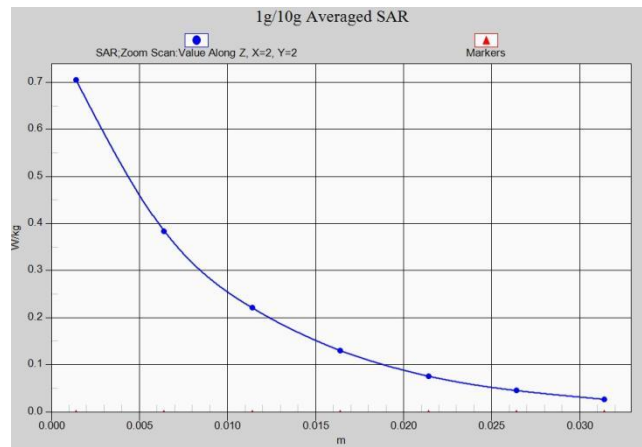


Fig. 1-4 Z-Scan at power reference point (1900 MHz)

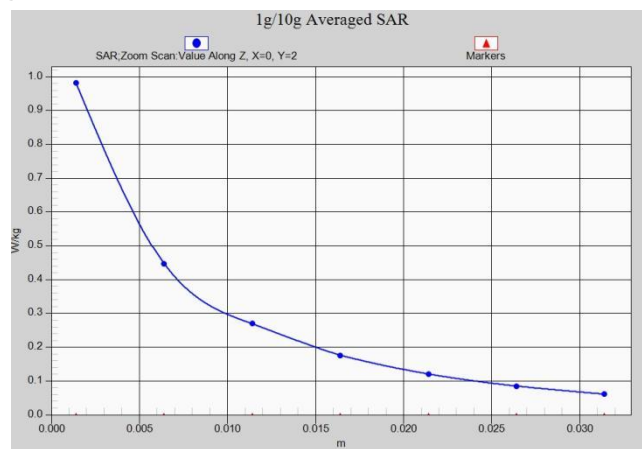


Fig. 1-5 Z-Scan at power reference point (WCDMA850)

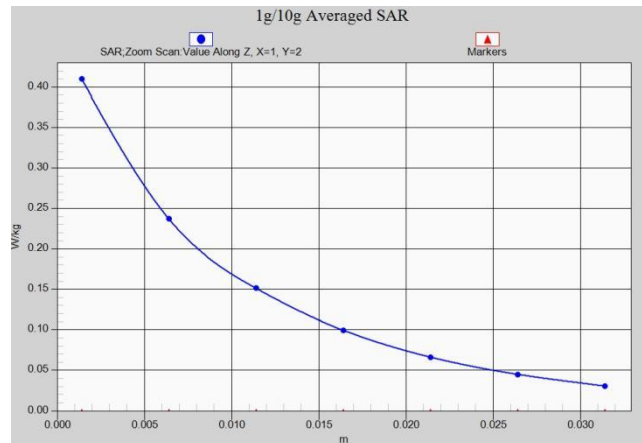


Fig. 1-6 Z-Scan at power reference point (WCDMA850)

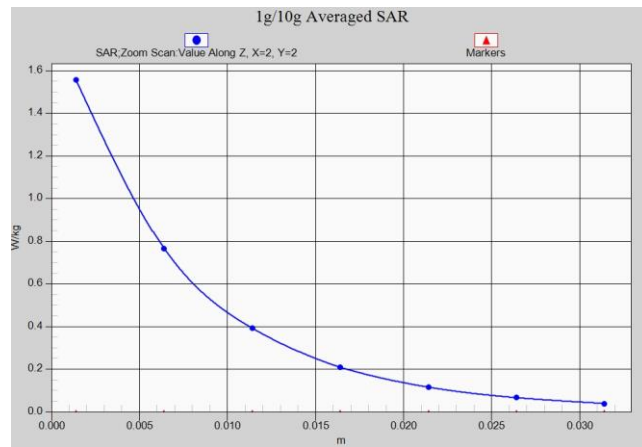


Fig. 1-7 Z-Scan at power reference point (WCDMA1700)

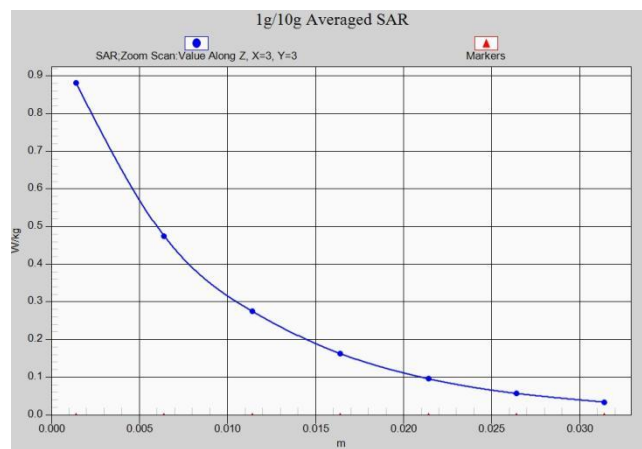


Fig. 1-8 Z-Scan at power reference point (WCDMA1700)

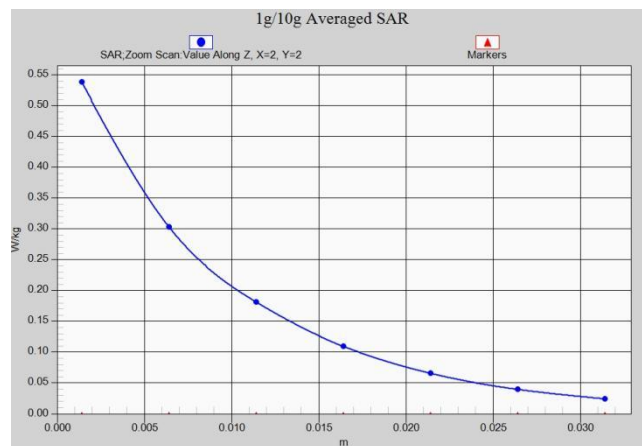


Fig. 1-9 Z-Scan at power reference point (WCDMA1700)

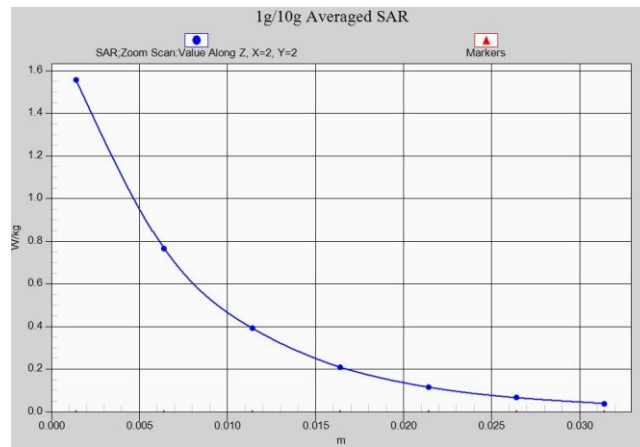


Fig. 1-10 Z-Scan at power reference point (WCDMA1900)

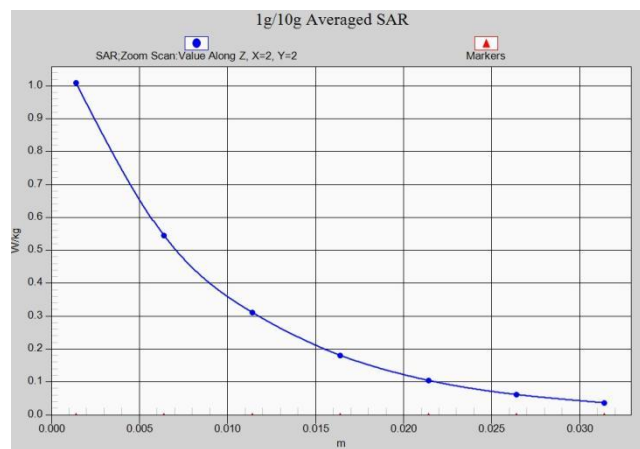


Fig. 1-11 Z-Scan at power reference point (WCDMA1900)

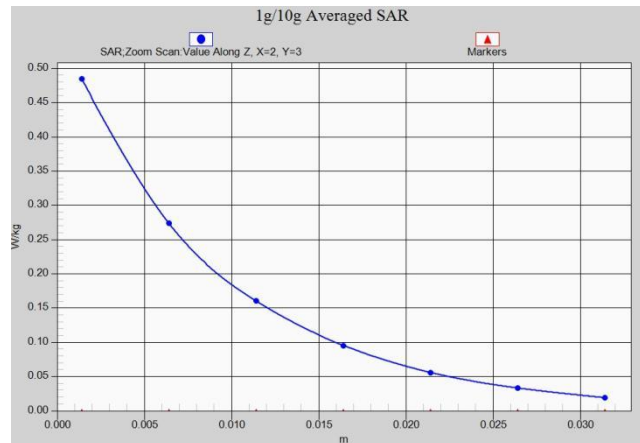


Fig. 1-12 Z-Scan at power reference point (WCDMA1900)

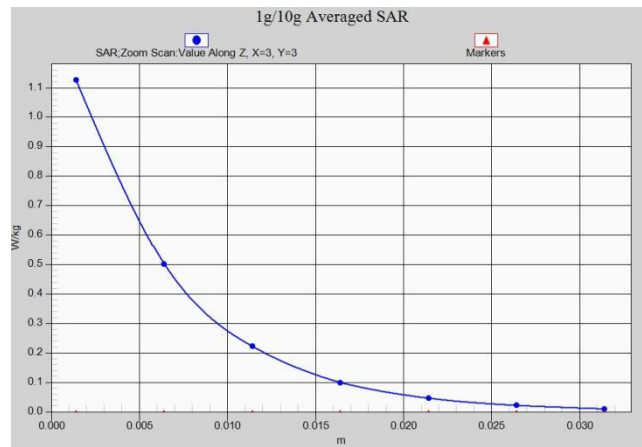


Fig. 1-13 Z-Scan at power reference point (LTE Band7)

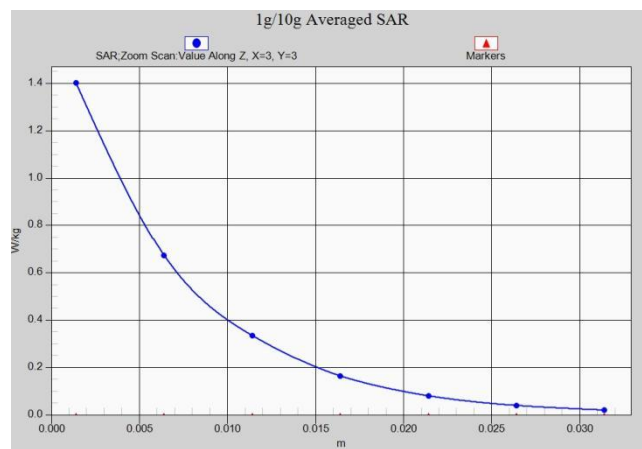


Fig. 1-14 Z-Scan at power reference point (LTE Band7)

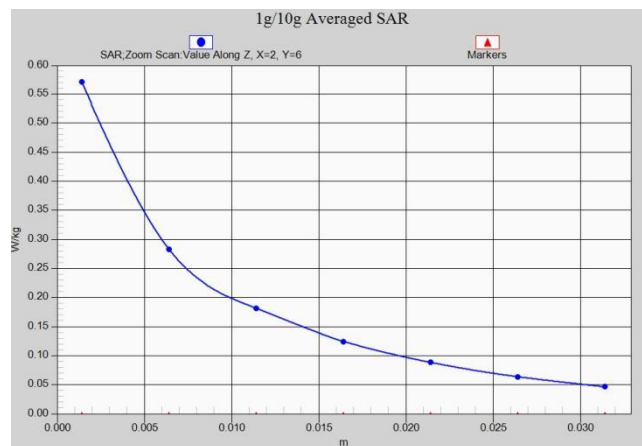


Fig. 1-15 Z-Scan at power reference point (LTE Band12)

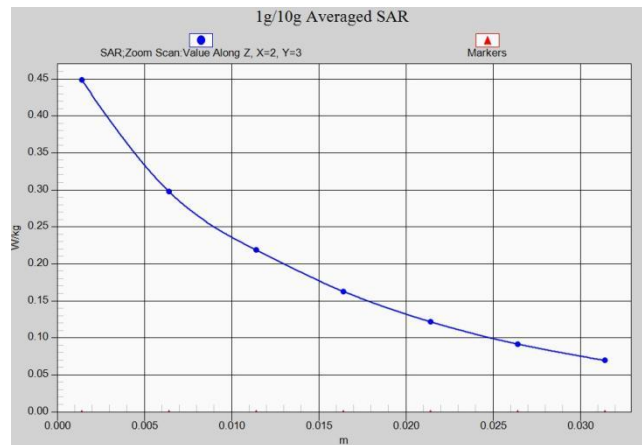


Fig. 1-16 Z-Scan at power reference point (LTE Band12)

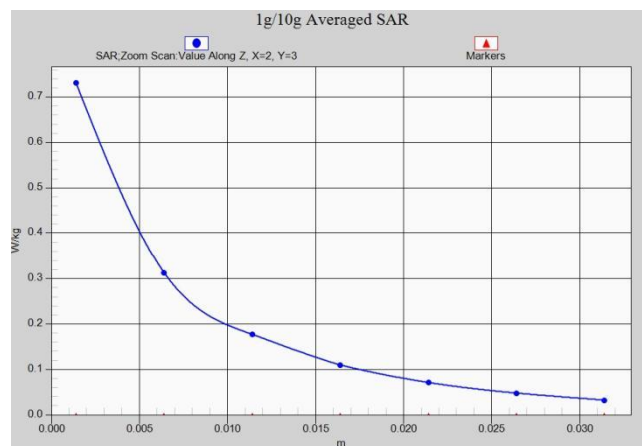


Fig. 1-17 Z-Scan at power reference point (LTE Band13)

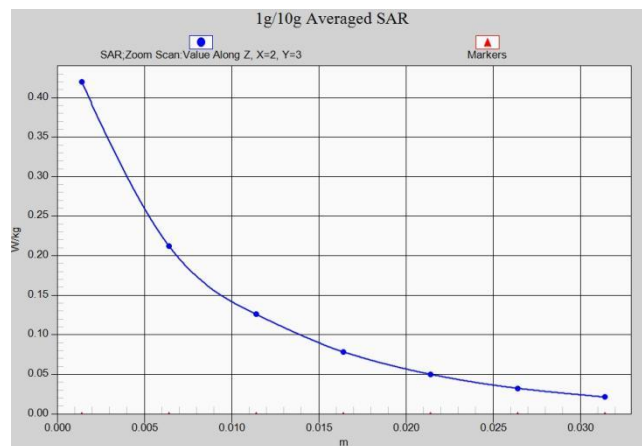


Fig. 1-18 Z-Scan at power reference point (LTE Band13)

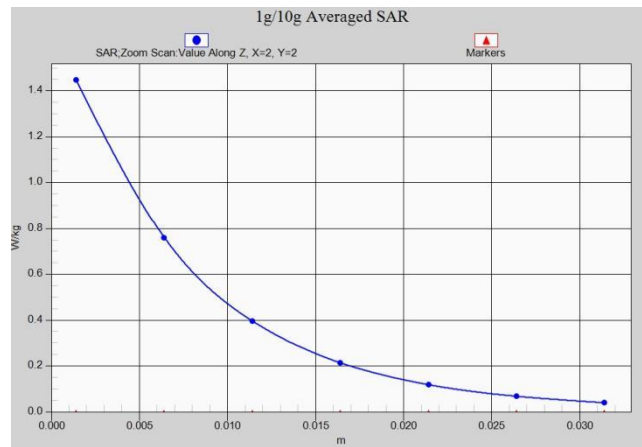


Fig. 1-19 Z-Scan at power reference point (LTE Band25)

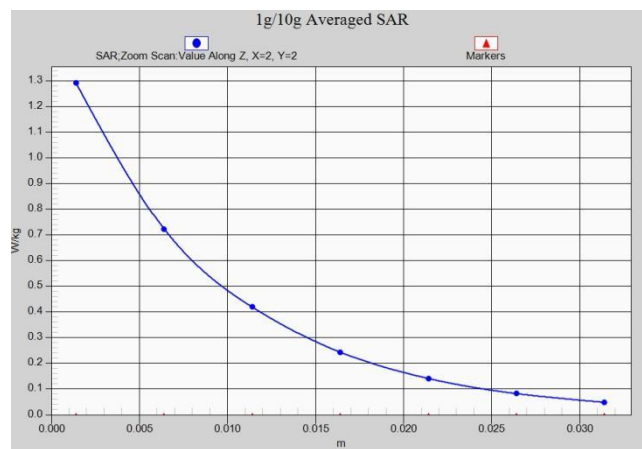


Fig. 1-20 Z-Scan at power reference point (LTE Band25)

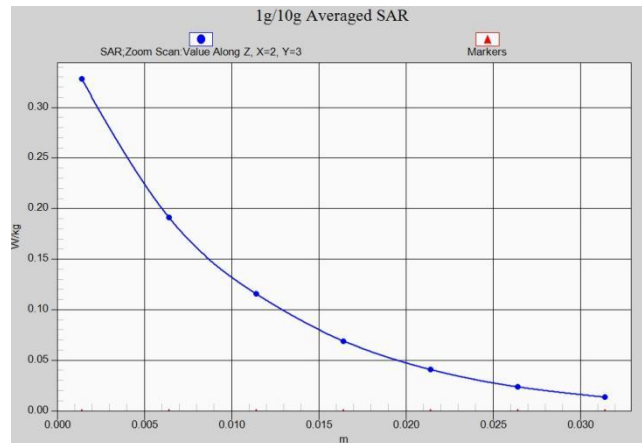


Fig. 1-21 Z-Scan at power reference point (LTE Band25)

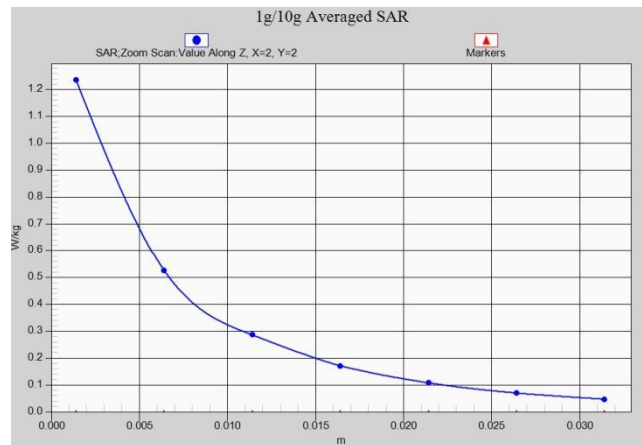


Fig. 1-22 Z-Scan at power reference point (LTE Band26)

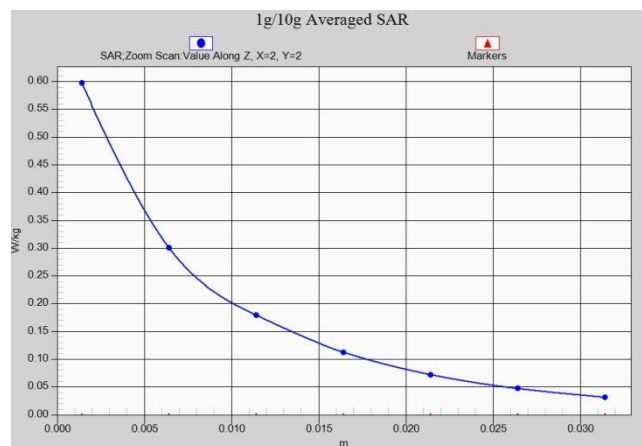


Fig. 1-23 Z-Scan at power reference point (LTE Band26)

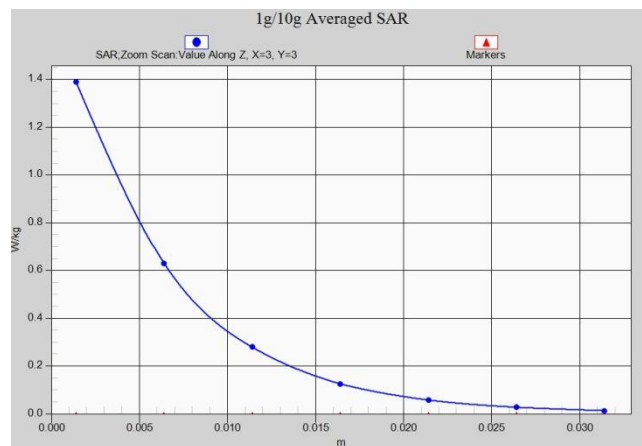


Fig. 1-24 Z-Scan at power reference point (LTE Band41)

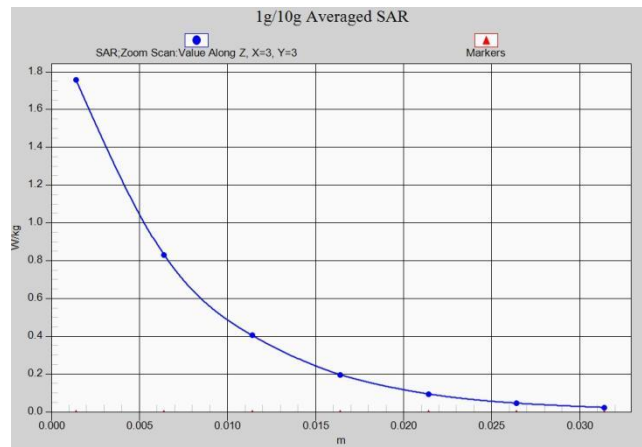


Fig. 1-25 Z-Scan at power reference point (LTE Band41)

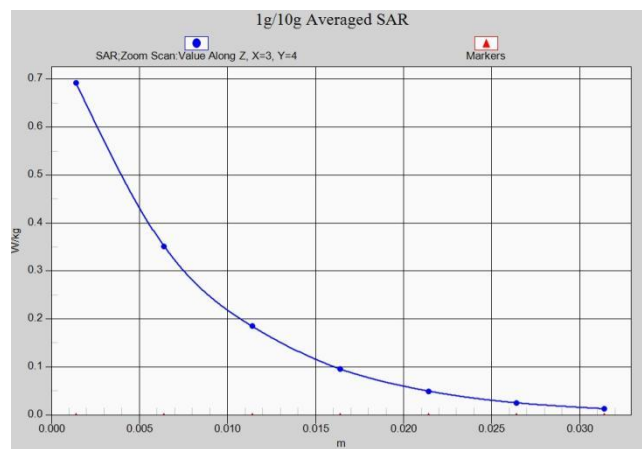


Fig. 1-26 Z-Scan at power reference point (LTE Band41)

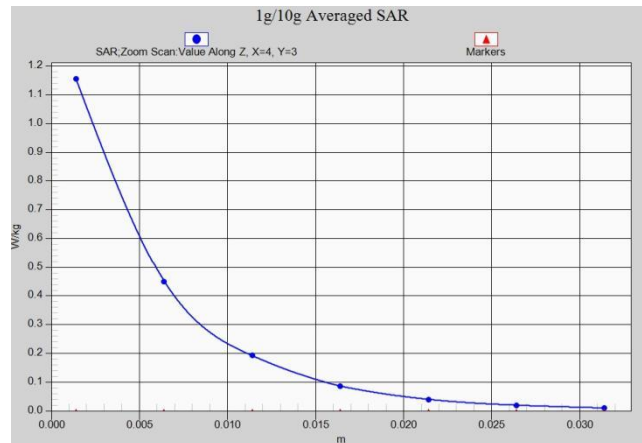


Fig. 1-27 Z-Scan at power reference point (LTE Band41)

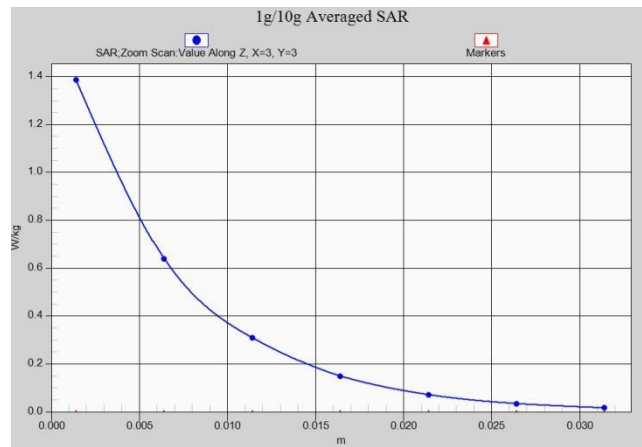


Fig. 1-28 Z-Scan at power reference point (LTE Band41)

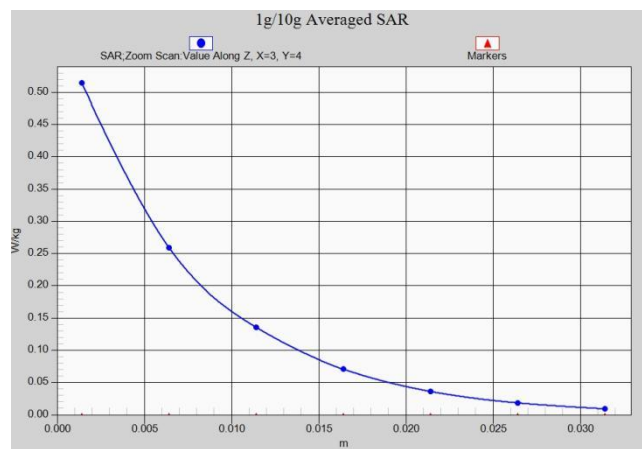


Fig. 1-29 Z-Scan at power reference point (LTE Band41)

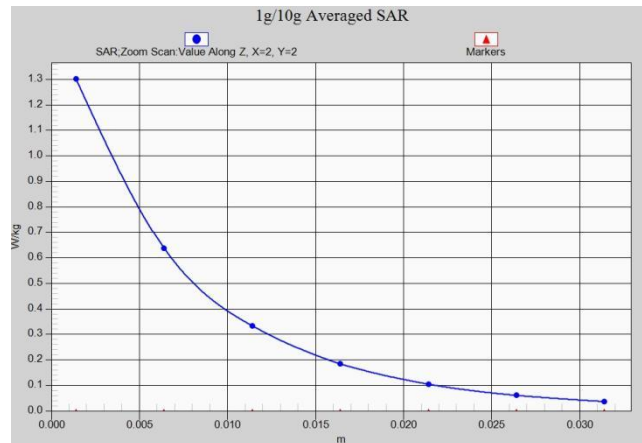


Fig. 1-30 Z-Scan at power reference point (LTE Band66)

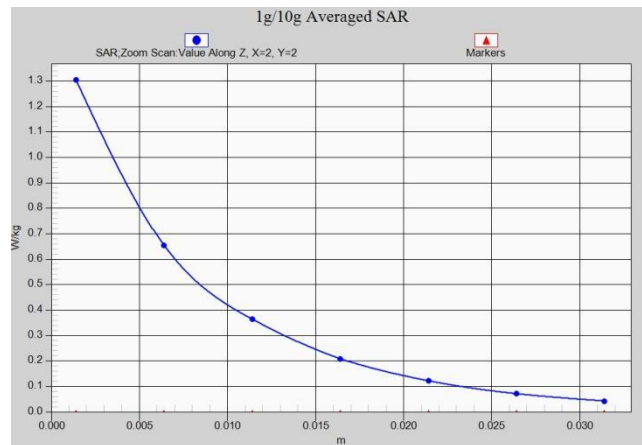


Fig. 1-31 Z-Scan at power reference point (LTE Band66)

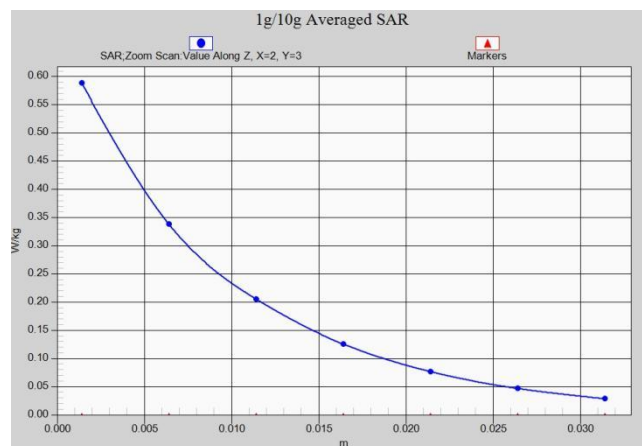


Fig. 1-32 Z-Scan at power reference point (LTE Band66)

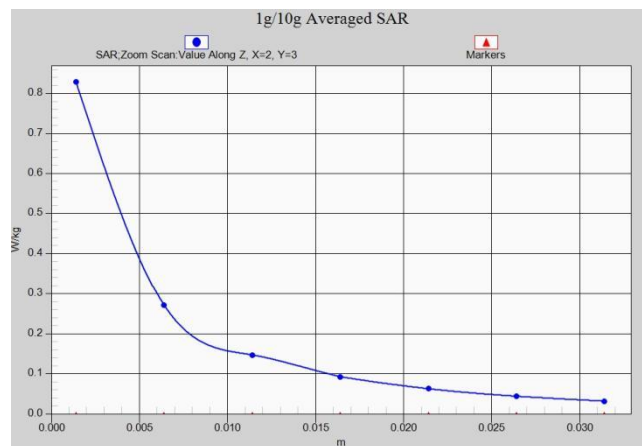


Fig. 1-33 Z-Scan at power reference point (LTE Band71)

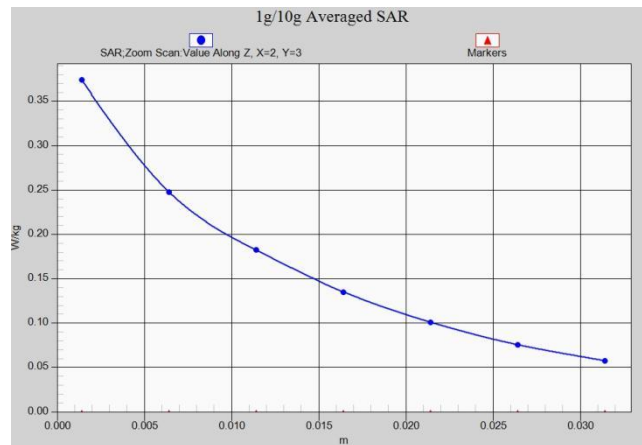


Fig. 1-34 Z-Scan at power reference point (LTE Band71)

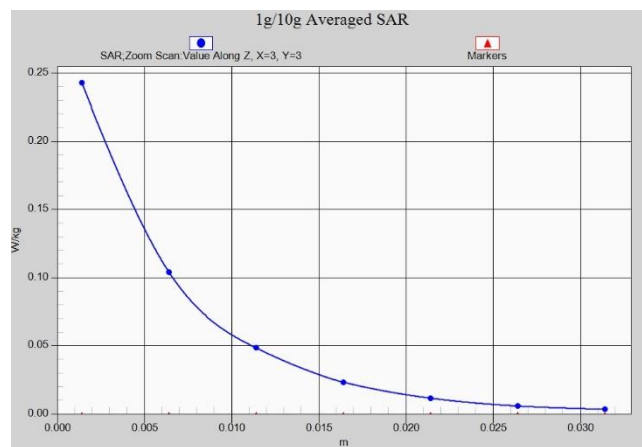


Fig. 1-35 Z-Scan at power reference point (wifi2450)

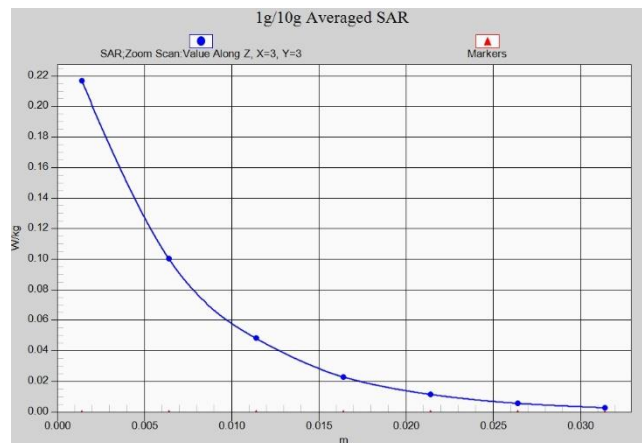


Fig. 1-36 Z-Scan at power reference point (wifi2450)

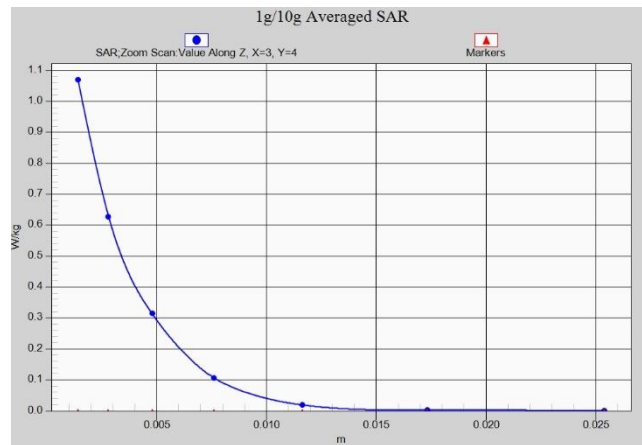


Fig. 1-37 Z-Scan at power reference point (wifi5G)

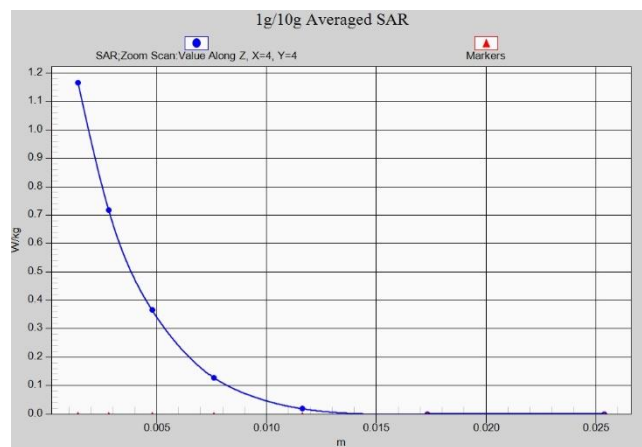


Fig. 1-38 Z-Scan at power reference point (wifi5G)

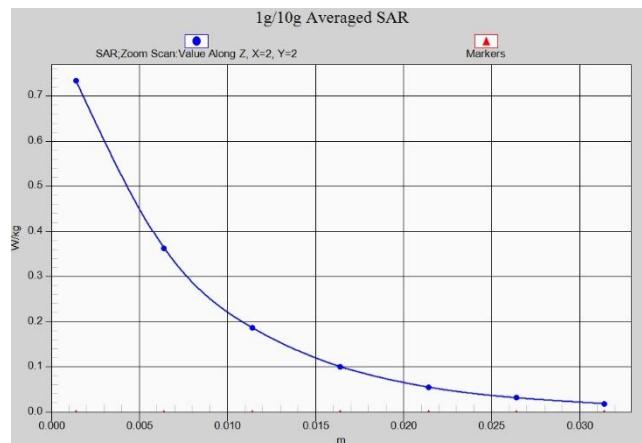


Fig. 1-39 Z-Scan at power reference point (n25)

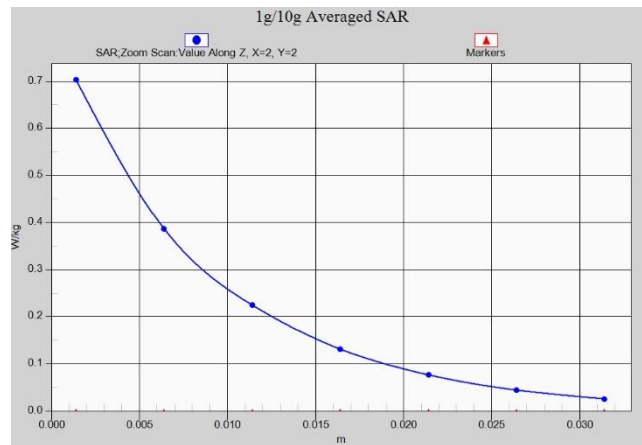


Fig. 1-40 Z-Scan at power reference point (n25)

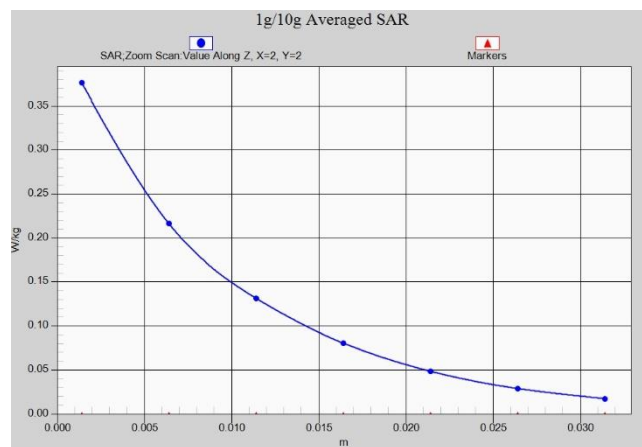


Fig. 1-41 Z-Scan at power reference point (n25)

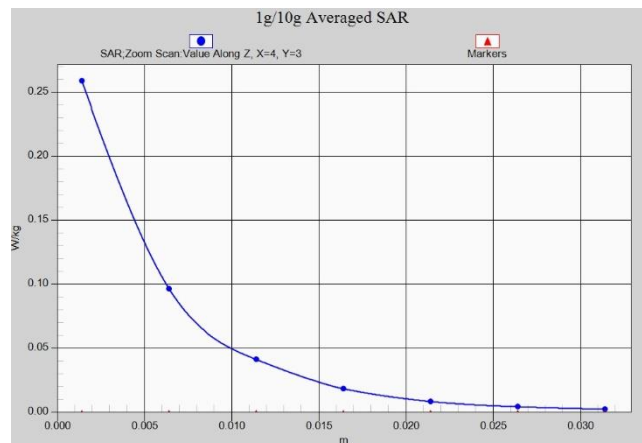


Fig. 1-42 Z-Scan at power reference point (n41)

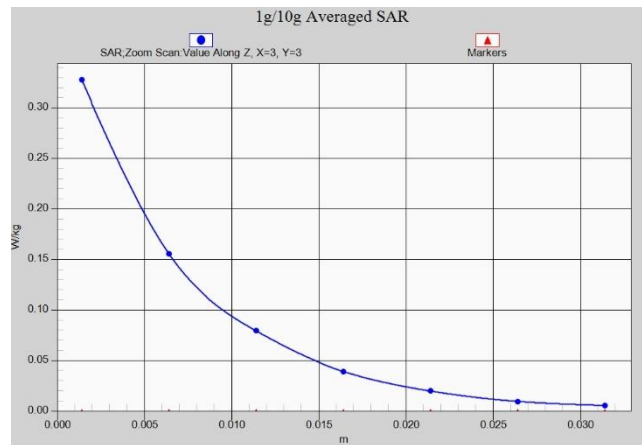


Fig. 1-43 Z-Scan at power reference point (n41)

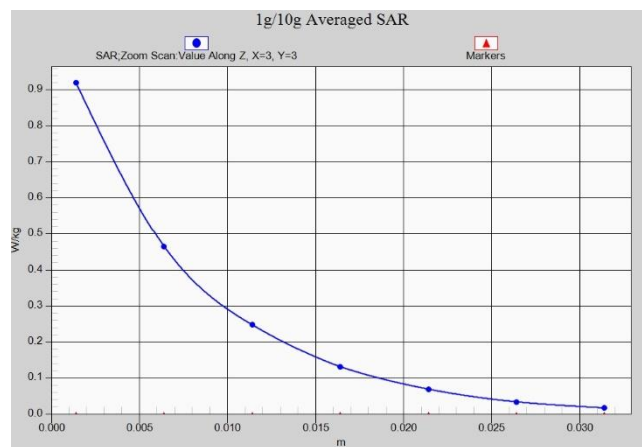


Fig. 1-44 Z-Scan at power reference point (n41)

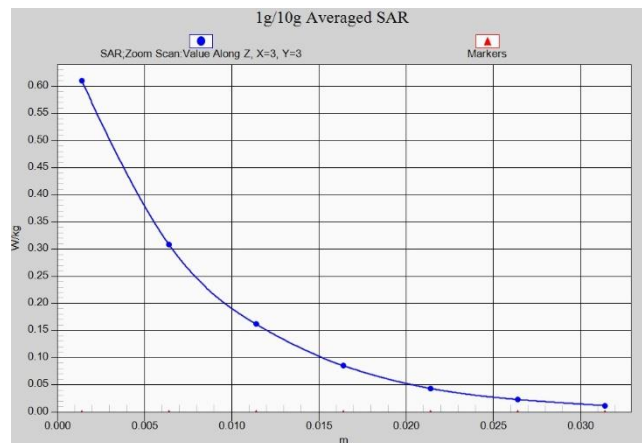


Fig. 1-45 Z-Scan at power reference point (n41)

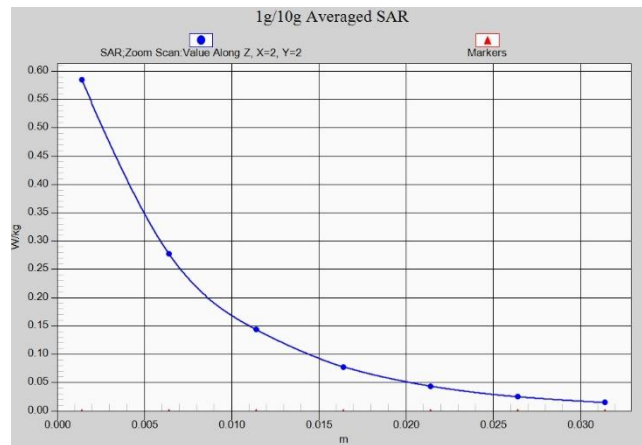


Fig. 1-46 Z-Scan at power reference point (n66)

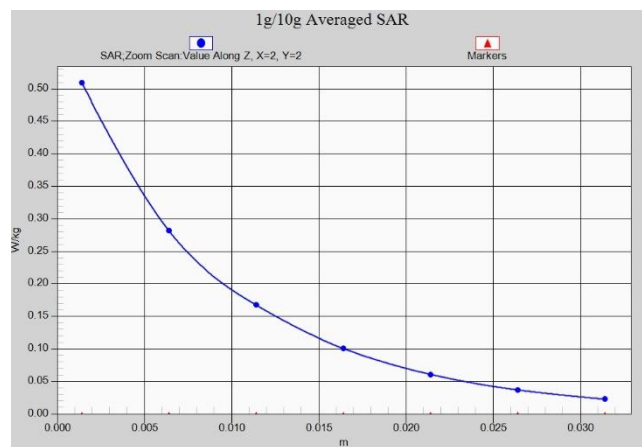


Fig. 1-47 Z-Scan at power reference point (n66)

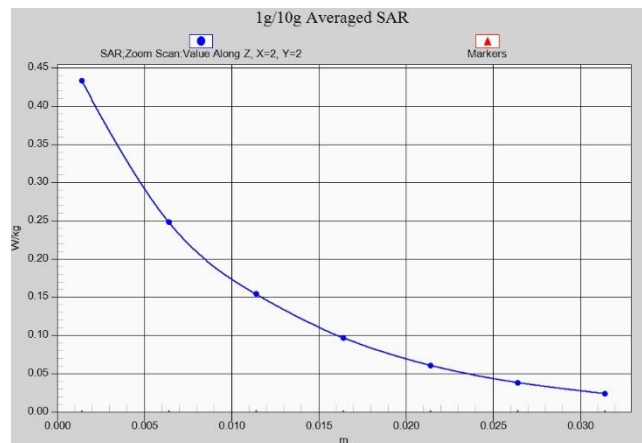


Fig. 1-48 Z-Scan at power reference point (n66)

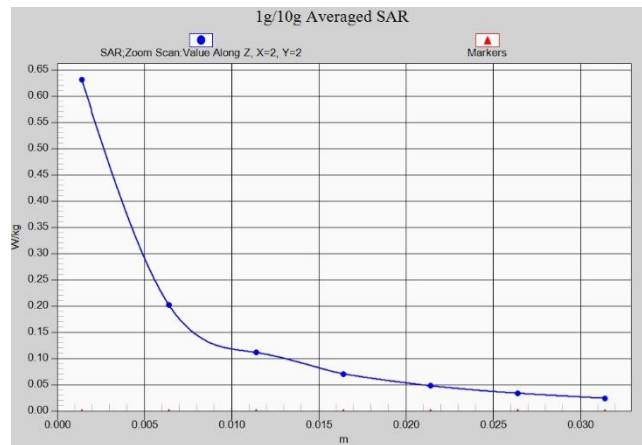


Fig. 1-49 Z-Scan at power reference point (n71)

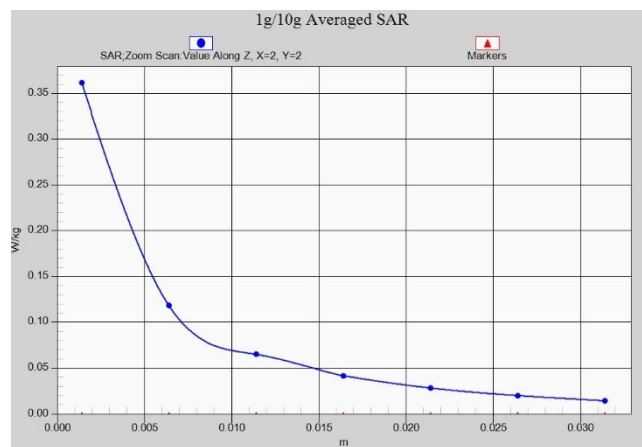


Fig. 1-50 Z-Scan at power reference point (n71)

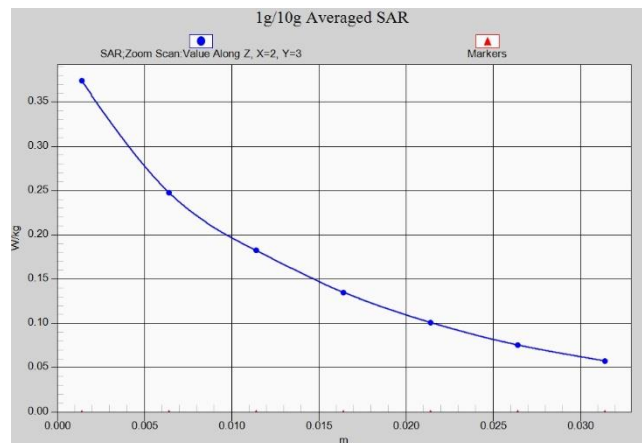


Fig. 1-51 Z-Scan at power reference point (n71)

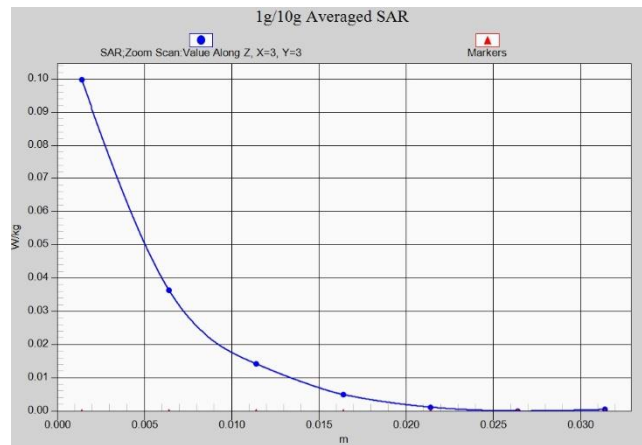


Fig. 1-52 Z-Scan at power reference point (n77)

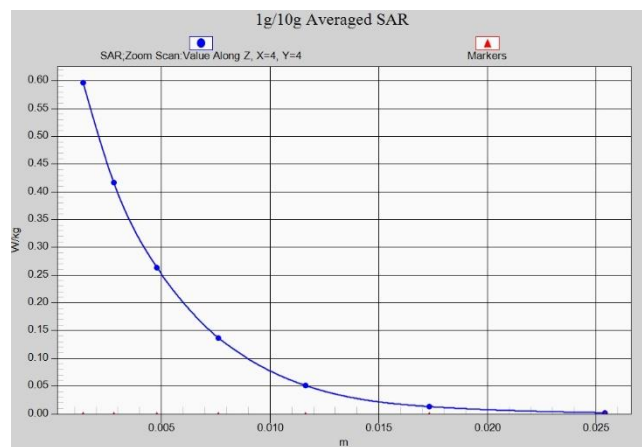


Fig. 1-53 Z-Scan at power reference point (n77)

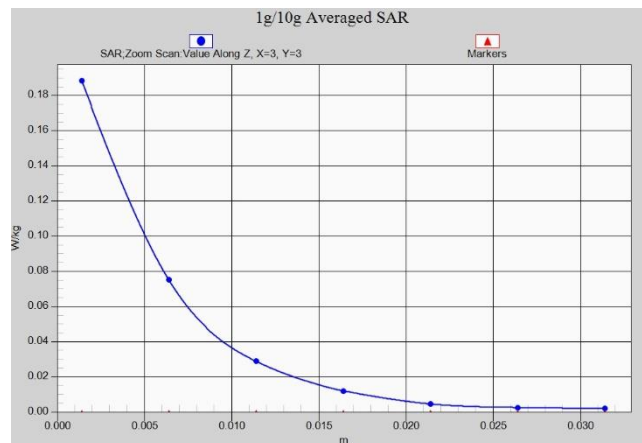


Fig. 1-54 Z-Scan at power reference point (n77)

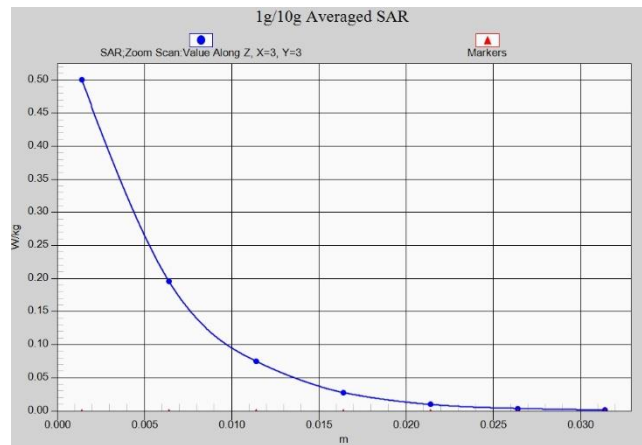


Fig. 1-55 Z-Scan at power reference point (n77)

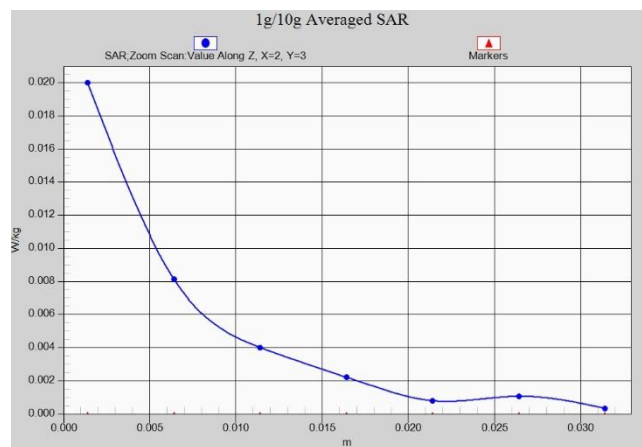


Fig. 1-56 Z-Scan at power reference point (BT)

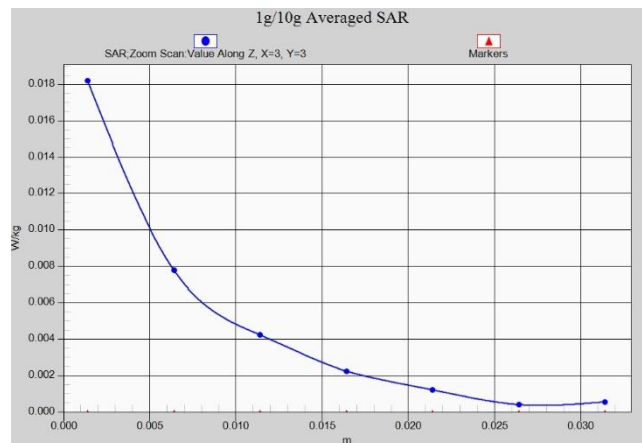


Fig. 1-57 Z-Scan at power reference point (BT)

ANNEX B System Verification Results

750 MHz

Date: 10/1/2021

Electronics: DAE4 Sn1525

Medium: H750

Medium parameters used: $f = 750 \text{ MHz}$; $\sigma = 0.879 \text{ S/m}$; $\epsilon_r = 44.497$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature: 22.8oC Liquid Temperature: 22.3oC

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

Probe: EX3DV4 - SN7600 ConvF(10.88, 10.88, 10.88)

Area Scan (51x141x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Reference Value = 44.12 V/m; Power Drift = 0.11 dB

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

Maximum value of SAR (interpolated) = 2.98 W/kg

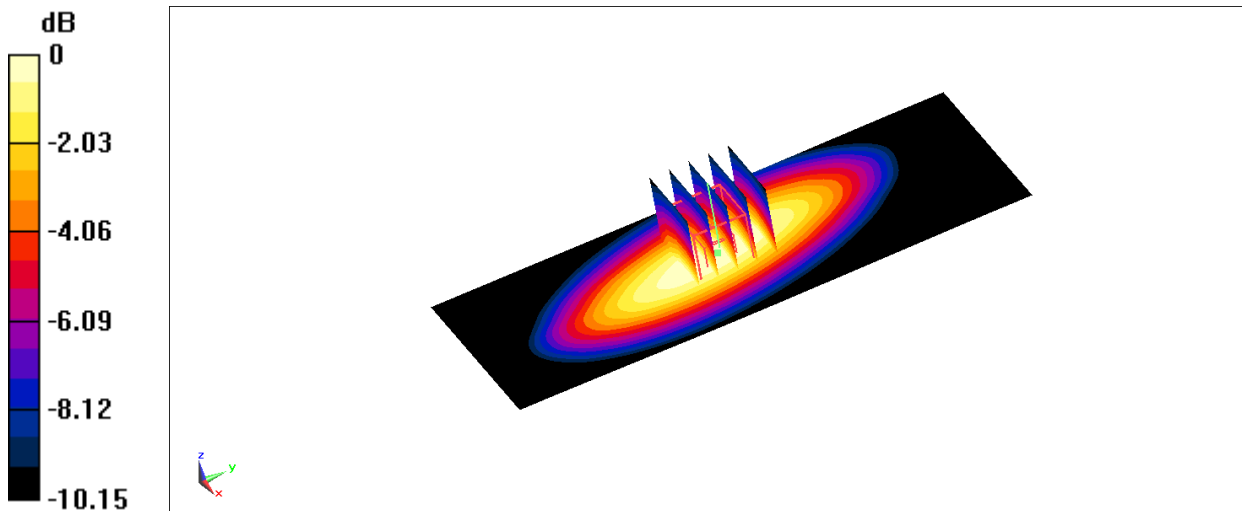
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 44.12 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 3.40 W/kg

SAR(1 g) = 2.16 W/kg; SAR(10 g) = 1.44 W/kg

Maximum value of SAR (measured) = 2.90 W/kg



0 dB = 2.90 W/kg = 4.62 dBW/kg

Fig.B.1 validation 750 MHz 250mW

750 MHz

Date: 10/24/2021

Electronics: DAE4 Sn1525

Medium: H750

Medium parameters used: $f = 750 \text{ MHz}$; $\sigma = 0.875 \text{ S/m}$; $\epsilon_r = 45.729$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature: 22.9oC Liquid Temperature: 22.7oC

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

Probe: EX3DV4 - SN7600 ConvF(10.88, 10.88, 10.88)

Area Scan (51x141x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Reference Value = 44.71 V/m; Power Drift = 0.15 dB

Fast SAR: SAR(1 g) = 2.24 W/kg; SAR(10 g) = 1.46 W/kg

Maximum value of SAR (interpolated) = 3.14 W/kg

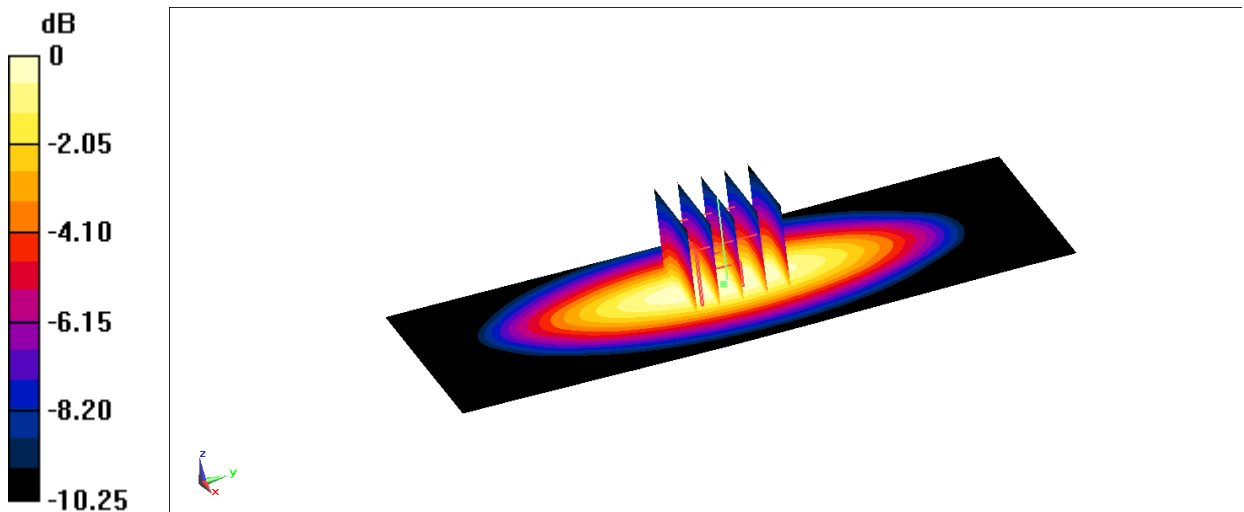
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 44.71 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 3.61 W/kg

SAR(1 g) = 2.26 W/kg; SAR(10 g) = 1.5 W/kg

Maximum value of SAR (measured) = 3.07 W/kg



$$0 \text{ dB} = 3.07 \text{ W/kg} = 4.87 \text{ dBW/kg}$$

Fig.B.2 validation 750 MHz 250mW

835 MHz

Date: 10/19/2021

Electronics: DAE4 Sn1525

Medium: H835

Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.904 \text{ S/m}$; $\epsilon_r = 43.98$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature: 23.1oC Liquid Temperature: 22.1oC

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

Probe: EX3DV4 - SN7600 ConvF(10.88, 10.88, 10.88)

Area Scan (51x141x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Reference Value = 47.43 V/m; Power Drift = 0.02 dB

Fast SAR: SAR(1 g) = 2.42 W/kg; SAR(10 g) = 1.6 W/kg

Maximum value of SAR (interpolated) = 3.14 W/kg

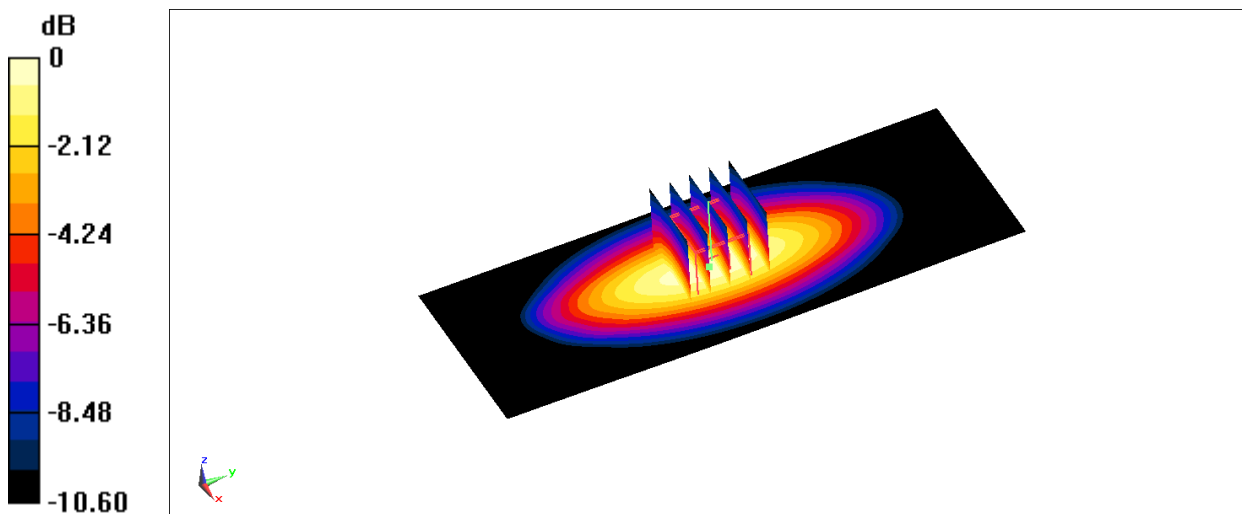
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 47.43 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 3.83 W/kg

SAR(1 g) = 2.45 W/kg; SAR(10 g) = 1.62 W/kg

Maximum value of SAR (measured) = 3.27 W/kg



$$0 \text{ dB} = 3.27 \text{ W/kg} = 5.15 \text{ dBW/kg}$$

Fig.B.3 validation 835 MHz 250mW

1750 MHz

Date: 10/15/2021

Electronics: DAE4 Sn1525

Medium: H1750

Medium parameters used: $f = 1750$ MHz; $\sigma = 1.388$ S/m; $\epsilon_r = 43.35$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.9oC Liquid Temperature: 22.7oC

Communication System: CW Frequency: 1750 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN7600 ConvF(9.01, 9.01, 9.01)

Area Scan (51x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 55.91 V/m; Power Drift = 0.08 dB

Fast SAR: SAR(1 g) = 10.1 W/kg; SAR(10 g) = 5.38 W/kg

Maximum value of SAR (interpolated) = 15.4 W/kg

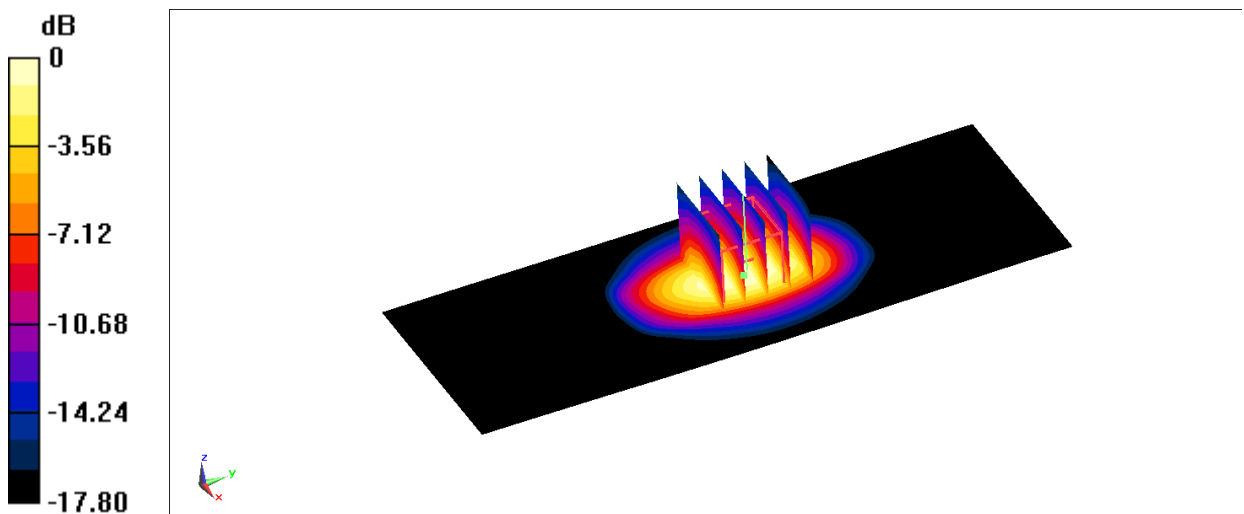
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 55.91 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 18.6 W/kg

SAR(1 g) = 9.94 W/kg; SAR(10 g) = 5.24 W/kg

Maximum value of SAR (measured) = 15.0 W/kg



$$0 \text{ dB} = 15.0 \text{ W/kg} = 11.76 \text{ dBW/kg}$$

Fig.B.4 validation 1750 MHz 250mW

1750 MHz

Date: 10/22/2021

Electronics: DAE4 Sn1525

Medium: H1750

Medium parameters used: $f = 1750$ MHz; $\sigma = 1.388$ S/m; $\epsilon_r = 43.348$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.8oC Liquid Temperature: 22.4oC

Communication System: CW (0) Frequency: 1750 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN7600 ConvF(9.01, 9.01, 9.01)

Area Scan (51x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 98.12 V/m; Power Drift = -0.07 dB

Fast SAR: SAR(1 g) = 8.92 W/kg; SAR(10 g) = 4.71 W/kg

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

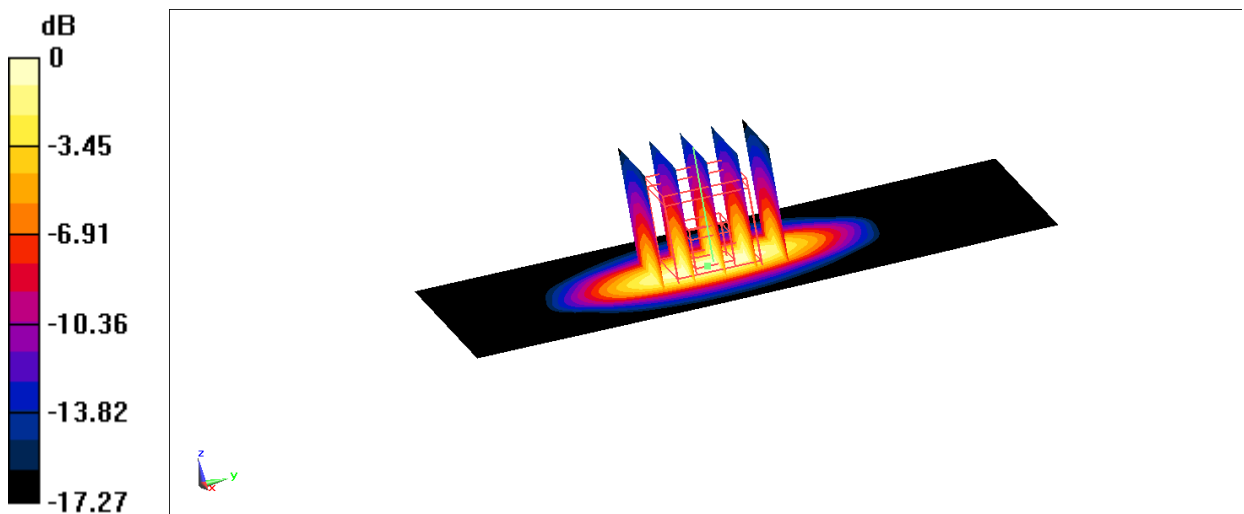
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 98.12 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 16.4 W/kg

SAR(1 g) = 8.95 W/kg; SAR(10 g) = 4.76 W/kg

Maximum value of SAR (measured) = 13.4 W/kg



$$0 \text{ dB} = 13.4 \text{ W/kg} = 11.27 \text{ dBW/kg}$$

Fig.B.5 validation 1750 MHz 250mW

1900 MHz

Date: 10/13/2021

Electronics: DAE4 Sn1525

Medium: H1900

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.514$ S/m; $\epsilon_r = 41.879$; $\rho = 1000$ kg/m³

Ambient Temperature: 23.3oC Liquid Temperature: 22.3oC

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

Probe: EX3DV4 - SN7600 ConvF(8.7, 8.7, 8.7)

Area Scan (51x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 63.88 V/m; Power Drift = 0.08 dB

Fast SAR: SAR(1 g) = 11.1 W/kg; SAR(10 g) = 5.71 W/kg

Maximum value of SAR (interpolated) = 17.9 W/kg

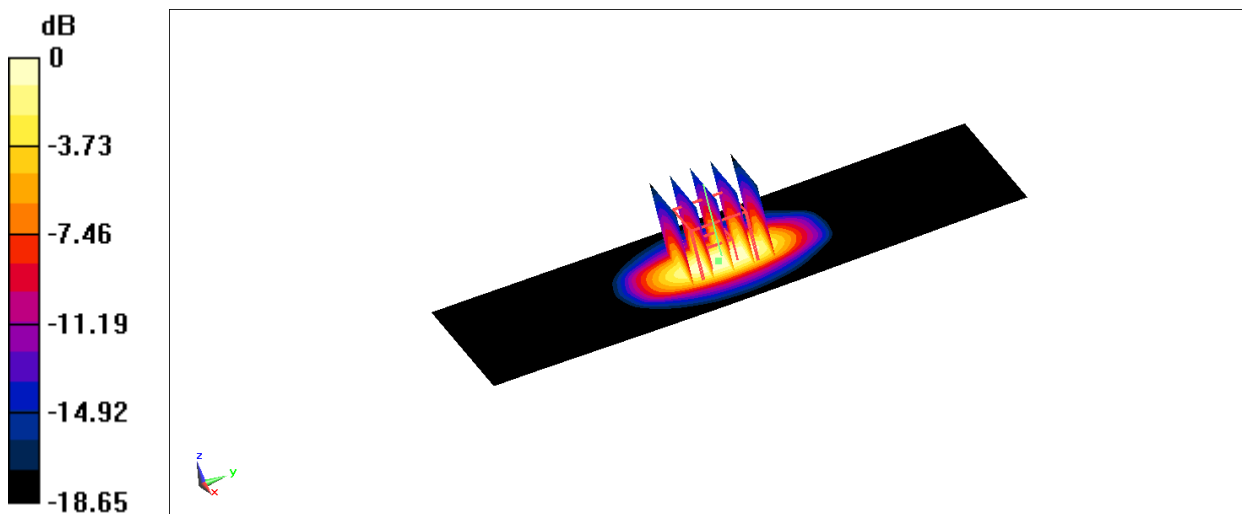
SZoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 63.88 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 20.8 W/kg

SAR(1 g) = 10.9 W/kg; SAR(10 g) = 5.62 W/kg

Maximum value of SAR (measured) = 16.5 W/kg



$$0 \text{ dB} = 16.5 \text{ W/kg} = 12.17 \text{ dBW/kg}$$

Fig.B.6 validation 1900 MHz 250mW

1900 MHz

Date: 10/20/2021

Electronics: DAE4 Sn1525

Medium: H1900

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.482$ S/m; $\epsilon_r = 43.091$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.9oC Liquid Temperature: 22.5oC

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

Probe: EX3DV4 - SN7600 ConvF(8.7, 8.7, 8.7)

Area Scan (51x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 63.62 V/m; Power Drift = 0.11 dB

Fast SAR: SAR(1 g) = 10.9 W/kg; SAR(10 g) = 5.66 W/kg

Maximum value of SAR (interpolated) = 17.5 W/kg

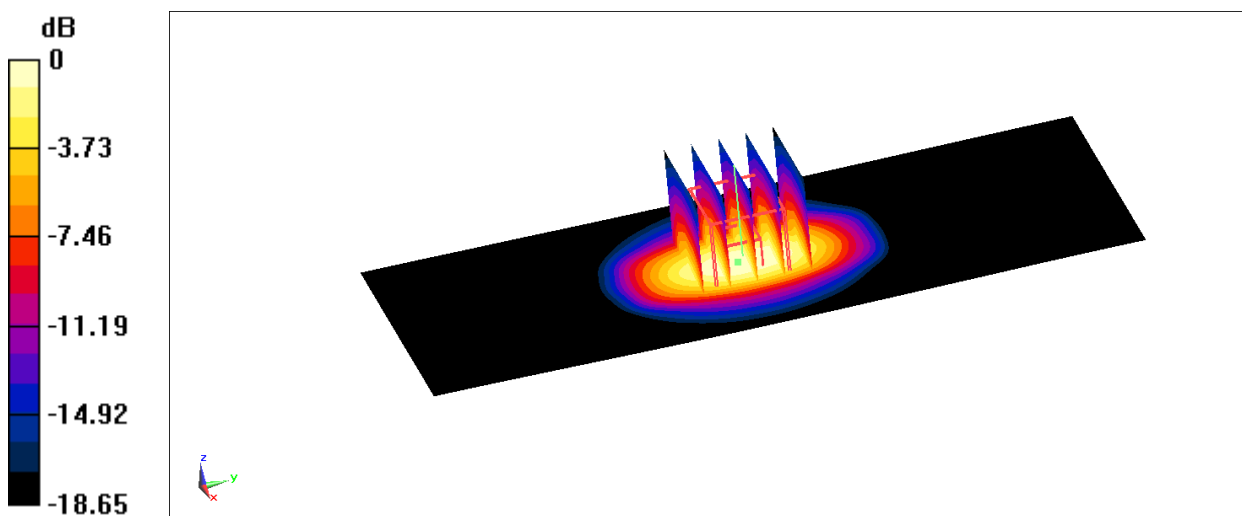
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 63.62 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 20.4 W/kg

SAR(1 g) = 10.7 W/kg; SAR(10 g) = 5.51 W/kg

Maximum value of SAR (measured) = 16.2 W/kg



$$0 \text{ dB} = 16.2 \text{ W/kg} = 12.10 \text{ dBW/kg}$$

Fig.B.7 validation 1900 MHz 250mW

2450 MHz

Date: 10/27/2021

Electronics: DAE4 Sn1525

Medium: H2450

Medium parameters used: $f = 2450$ MHz; $\sigma = 1.921$ S/m; $\epsilon_r = 40.269$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3oC Liquid Temperature: 22.2oC

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

Probe: EX3DV4 - SN7600 ConvF(7.79, 7.79, 7.79)

Area Scan 3 (81x81x1): Interpolated grid: $dx=1.200$ mm, $dy=1.200$ mm

Reference Value = 113.7 V/m; Power Drift = -0.14 dB

Fast SAR: SAR(1 g) = 14.3 W/kg; SAR(10 g) = 6.51 W/kg

Maximum value of SAR (interpolated) = 23.2 W/kg

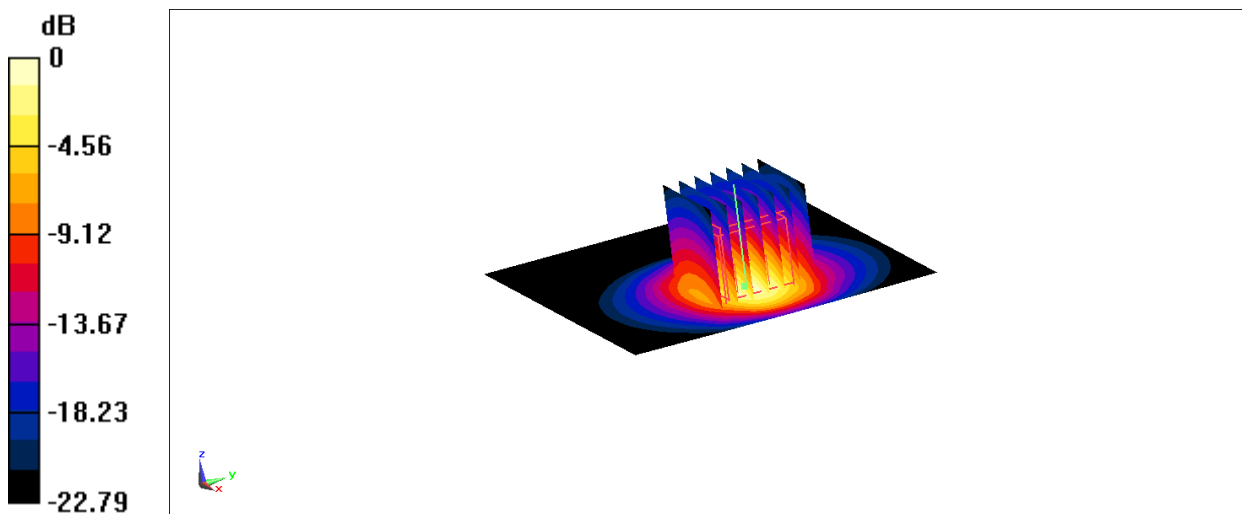
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 113.7 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 30.0 W/kg

SAR(1 g) = 14.1 W/kg; SAR(10 g) = 6.47 W/kg

Maximum value of SAR (measured) = 24.1 W/kg



$$0 \text{ dB} = 24.1 \text{ W/kg} = 13.82 \text{ dBW/kg}$$

Fig.B.8 validation 2450 MHz 250mW

2600 MHz

Date: 10/30/2021

Electronics: DAE4 Sn1525

Medium: H2600

Medium parameters used: $f = 2600$ MHz; $\sigma = 2.041$ S/m; $\epsilon_r = 39.938$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.6oC Liquid Temperature: 22.5oC

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

Probe: EX3DV4 - SN7600 ConvF(7.67, 7.67, 7.67)

Area Scan 3 (61x81x1): Interpolated grid: $dx=1.200$ mm, $dy=1.200$ mm

Reference Value = 47.11 V/m; Power Drift = 0.04 dB

Fast SAR: SAR(1 g) = 15.1 W/kg; SAR(10 g) = 6.61 W/kg

Maximum value of SAR (interpolated) = 27.1 W/kg

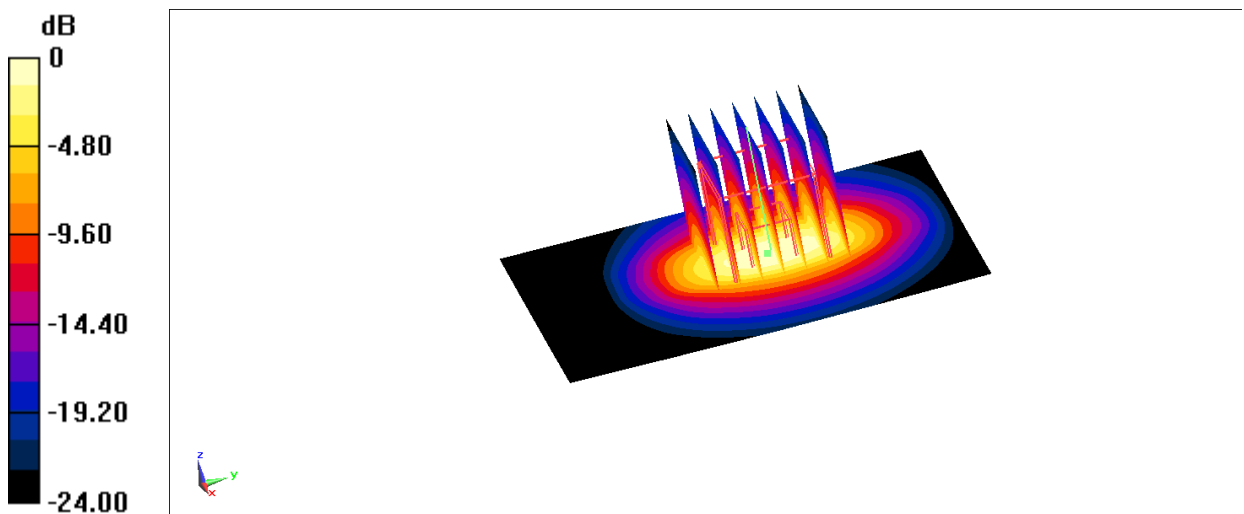
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 47.11 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 33.2 W/kg

SAR(1 g) = 14.9 W/kg; SAR(10 g) = 6.59 W/kg

Maximum value of SAR (measured) = 25.8 W/kg



$$0 \text{ dB} = 25.8 \text{ W/kg} = 14.12 \text{ dBW/kg}$$

Fig.B.9 validation 2600 MHz 250mW

2600 MHz

Date: 10/28/2021

Electronics: DAE4 Sn1525

Medium: H2600

Medium parameters used: $f = 2600$ MHz; $\sigma = 1.998$ S/m; $\epsilon_r = 40.585$; $\rho = 1000$ kg/m³

Ambient Temperature: 23.3oC Liquid Temperature: 22.9oC

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

Probe: EX3DV4 - SN7600 ConvF(7.67, 7.67, 7.67)

Area Scan (61x121x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Reference Value = 111.0 V/m; Power Drift = -0.05 dB

Fast SAR: SAR(1 g) = 14 W/kg; SAR(10 g) = 6.15 W/kg

Maximum value of SAR (interpolated) = 24.0 W/kg

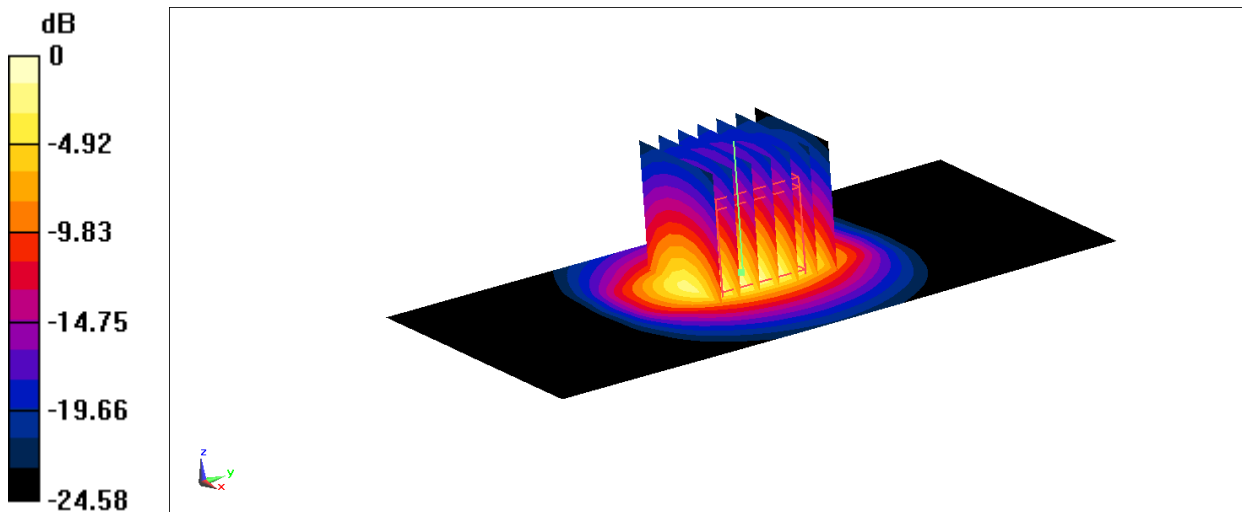
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 111.0 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 30.1 W/kg

SAR(1 g) = 13.7 W/kg; SAR(10 g) = 6.07 W/kg

Maximum value of SAR (measured) = 23.3 W/kg



$$0 \text{ dB} = 23.3 \text{ W/kg} = 13.67 \text{ dBW/kg}$$

Fig.B.10 validation 2600 MHz 250mW

3500 MHz

Date: 11/3/2021

Electronics: DAE4 Sn1525

Medium: H3500

Medium parameters used: $f = 3700$ MHz; $\sigma = 2.963$ S/m; $\epsilon_r = 38.84$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.6oC Liquid Temperature: 22.3oC

Communication System: CW Frequency: 3700 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN7600 ConvF(6.77, 6.77, 6.77)

Area Scan (61x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 37.6 W/kg

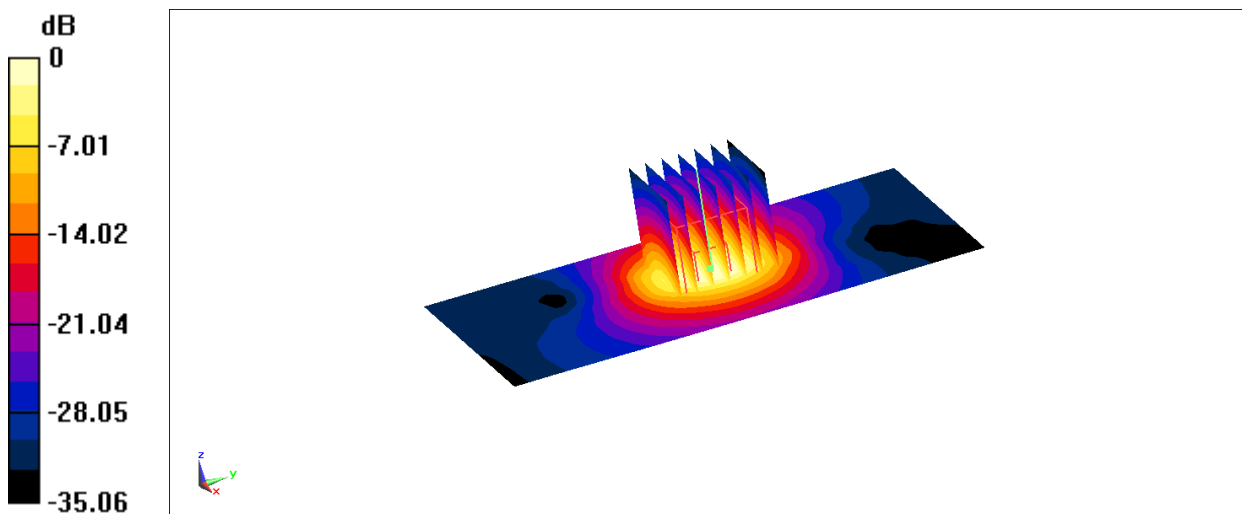
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 105.2 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 49.6 W/kg

SAR(1 g) = 18.2 W/kg; SAR(10 g) = 6.7 W/kg

Maximum value of SAR (measured) = 34.6 W/kg



$$0 \text{ dB} = 34.6 \text{ W/kg} = 15.39 \text{ dBW/kg}$$

Fig.B.11 validation 3500 MHz 250mW

3900 MHz

Date: 11/3/2021

Electronics: DAE4 Sn1525

Medium: H3900

Medium parameters used: $f = 3900$ MHz; $\sigma = 3.358$ S/m; $\epsilon_r = 38.018$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.6oC Liquid Temperature: 22.3oC

Communication System: CW Frequency: 3900 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN7600 ConvF(6.85, 6.85, 6.85)

Area Scan (61x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 35.8 W/kg

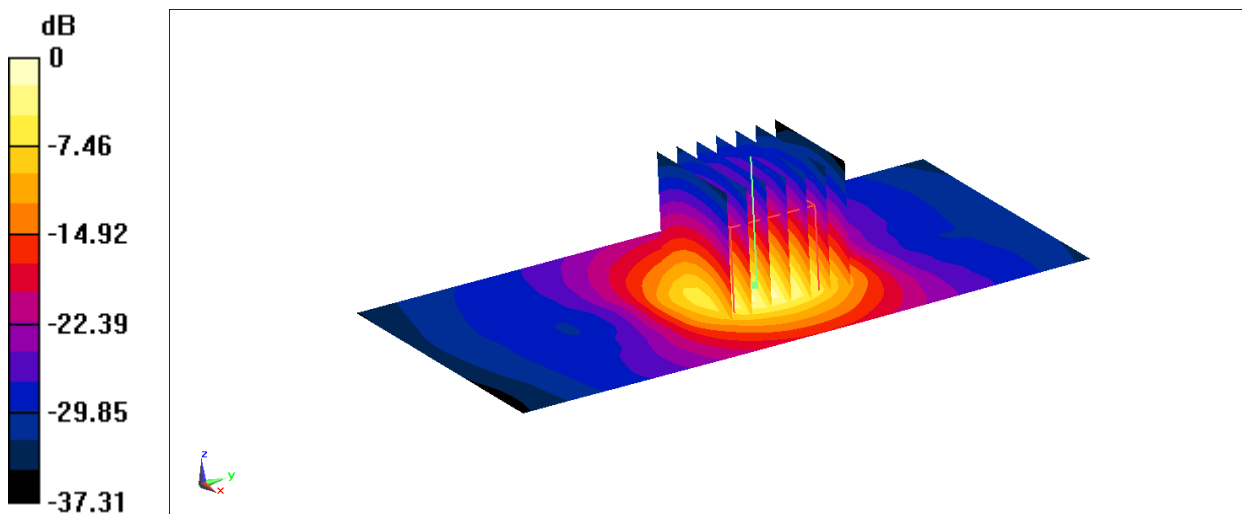
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 64.84 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 45.8 W/kg

SAR(1 g) = 15.9 W/kg; SAR(10 g) = 5.57 W/kg

Maximum value of SAR (measured) = 31.8 W/kg



0 dB = 31.8 W/kg = 15.02 dBW/kg

Fig.B.12 validation 3500 MHz 250mW

5250 MHz

Date: 10/23/2021

Electronics: DAE4 Sn1525

Medium: H5G

Medium parameters used: $f = 5250$ MHz; $\sigma = 4.668$ S/m; $\epsilon_r = 34.789$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.9oC Liquid Temperature: 22.3oC

Communication System: CW Frequency: 5250 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN7600 ConvF(5.68, 5.68, 5.68)

Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 19.1 W/kg

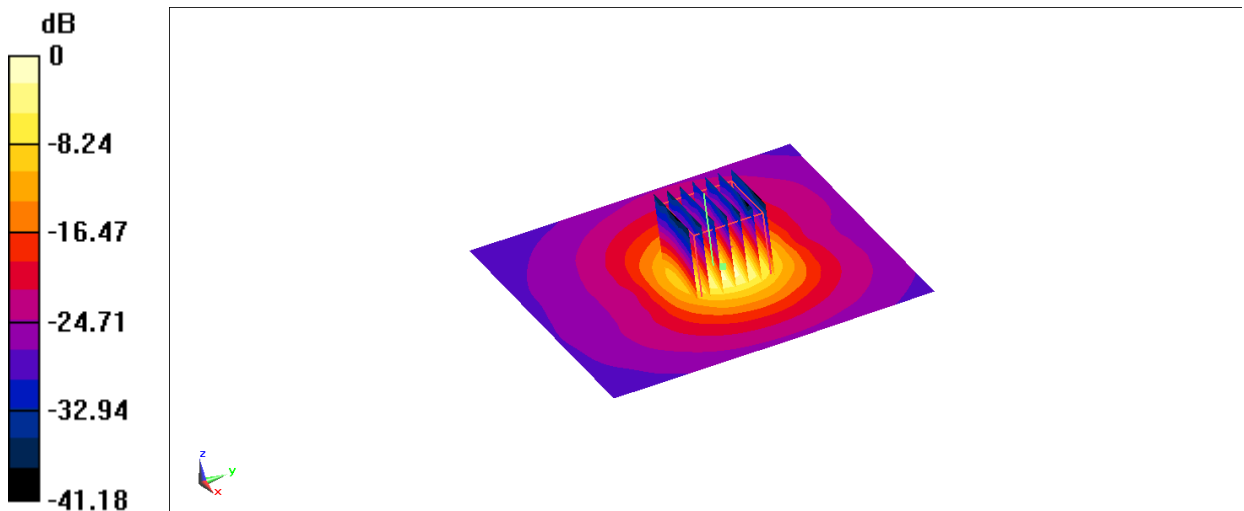
Zoom Scan (4x4x1.4mm, graded), dist=1.4mm (7x7x7)/Cube 0: Measurement grid:
dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 57.96 V/m; Power Drift = -0.83 dB

Peak SAR (extrapolated) = 31.6 W/kg

SAR(1 g) = 7.56 W/kg; SAR(10 g) = 2.17 W/kg

Maximum value of SAR (measured) = 17.7 W/kg



0 dB = 17.7 W/kg = 12.48 dBW/kg

Fig.B.13 validation 5250 MHz 100mW

5600 MHz

Date: 10/25/2021

Electronics: DAE4 Sn1525

Medium: H5G

Medium parameters used: $f = 5600$ MHz; $\sigma = 5.043$ S/m; $\epsilon_r = 34.166$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.8oC Liquid Temperature: 22.4oC

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

Probe: EX3DV4 - SN7600 ConvF(5.11, 5.11, 5.11)

Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 19.4 W/kg

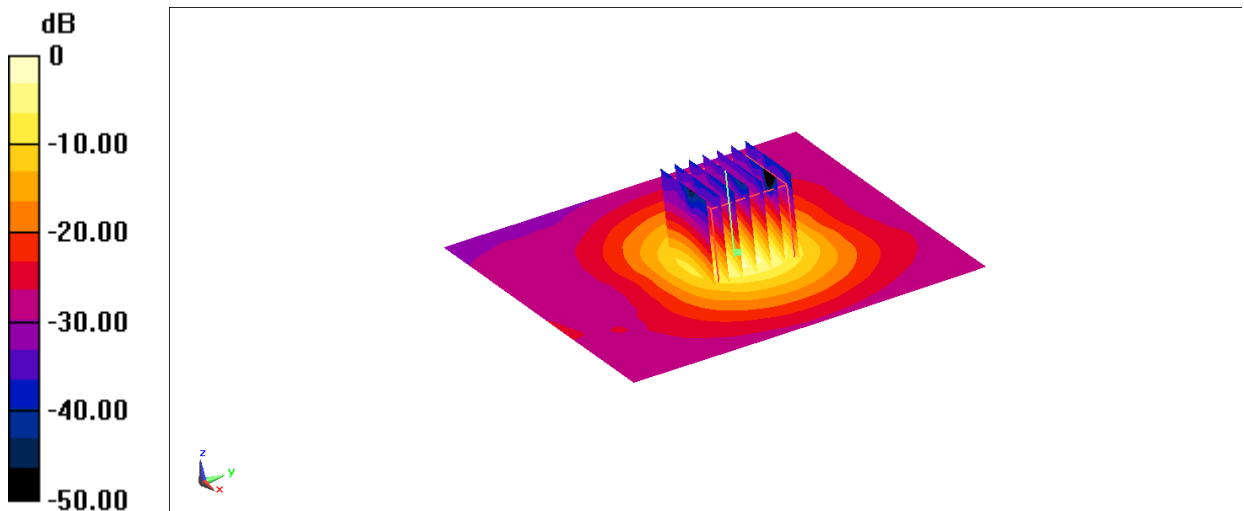
Zoom Scan (4x4x1.4mm, graded), dist=1.4mm (7x7x7)/Cube 0: Measurement grid:
dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 55.71 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 34.9 W/kg

SAR(1 g) = 7.69 W/kg; SAR(10 g) = 2.2 W/kg

Maximum value of SAR (measured) = 18.9 W/kg



0 dB = 18.9 W/kg = 12.76 dBW/kg

Fig.B.14 validation 5600 MHz 100mW

5750 MHz

Date: 10/26/2021

Electronics: DAE4 Sn1525

Medium: H5G

Medium parameters used: $f = 5750$ MHz; $\sigma = 5.211$ S/m; $\epsilon_r = 33.862$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3oC Liquid Temperature: 22.5oC

Communication System: CW Frequency: 5750 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN7600 ConvF(5.07, 5.07, 5.07)

Configuration/d=10mm, Pin=100mW, f=5750 MHz/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 19.5 W/kg

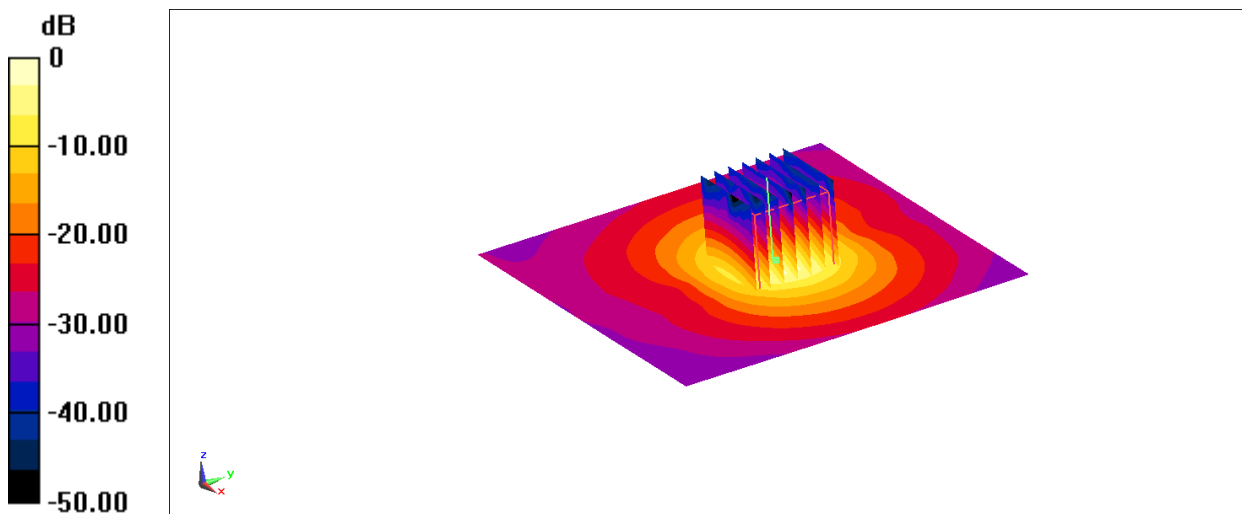
Configuration/d=10mm, Pin=100mW, f=5750 MHz/Zoom Scan (4x4x1.4mm, graded), dist=1.4mm (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 55.03 V/m; Power Drift = -0.71 dB

Peak SAR (extrapolated) = 34.6 W/kg

SAR(1 g) = 7.41 W/kg; SAR(10 g) = 2.12 W/kg

Maximum value of SAR (measured) = 18.4 W/kg



$$0 \text{ dB} = 18.4 \text{ W/kg} = 12.65 \text{ dBW/kg}$$

Fig.B.15 validation 5750 MHz 100mW