LTE850-FDD26_Head
Date: 10/19/2021
Electronics: DAE4 Sn1525
Medium: H835
Medium parameters used (interpolated): f = 822.5 MHz; σ = 0.911 S/m; εr = 44.226; ρ = 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

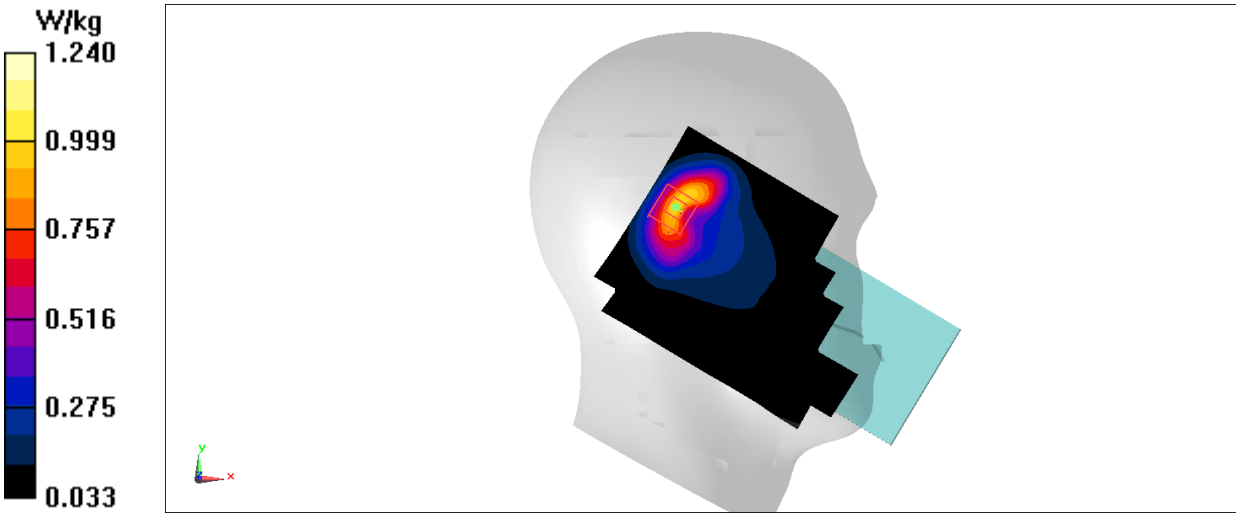

Fig A.22

LTE850-FDD26_Body
Date: 10/19/2021
Electronics: DAE4 Sn1525
Medium: H835
Medium parameters used (interpolated): f = 831.5 MHz; σ = 0.915 S/m; εr = 44.19; ρ = 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

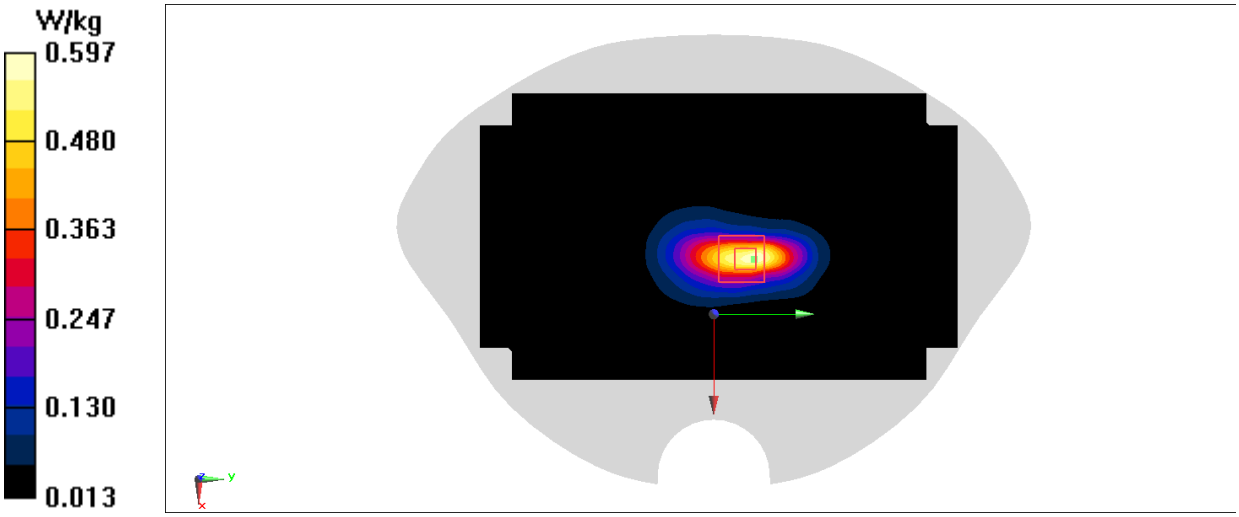

Fig A.23

LTE2600-TDD41 PC2_Head
Date: 10/30/2021
Electronics: DAE4 Sn1525
Medium: H2600
Medium parameters used (interpolated): f = 2506 MHz; σ = 1.962 S/m; εr = 40.129; ρ = 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

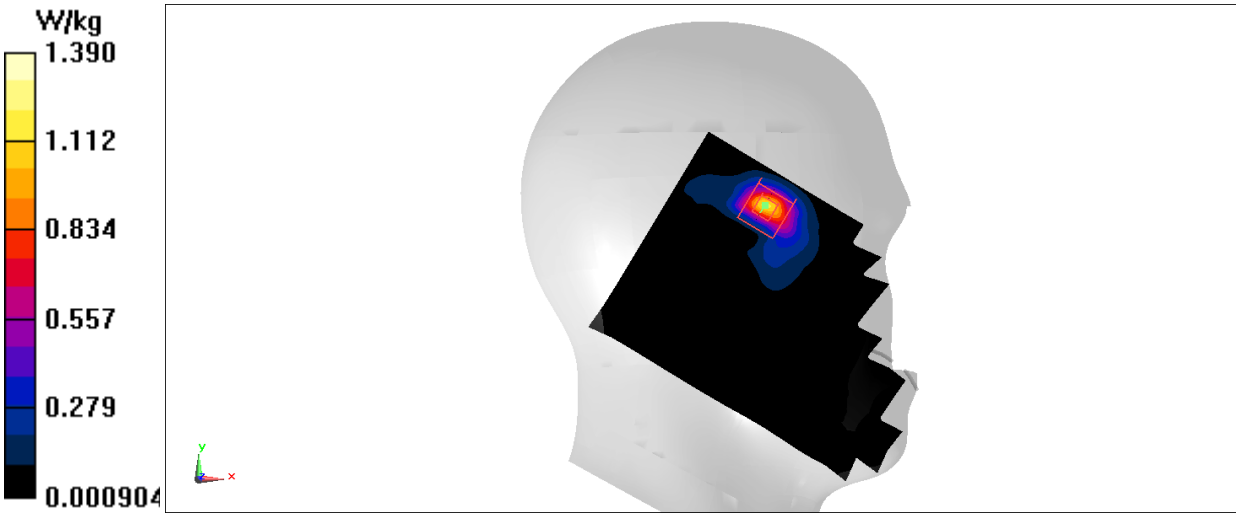

Fig A.24

LTE2600-TDD41 PC2_Body
Date: 10/30/2021
Electronics: DAE4 Sn1525
Medium: H2600
Medium parameters used: f = 2550 MHz; σ = 2.003 S/m; εr = 40.08; ρ = 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

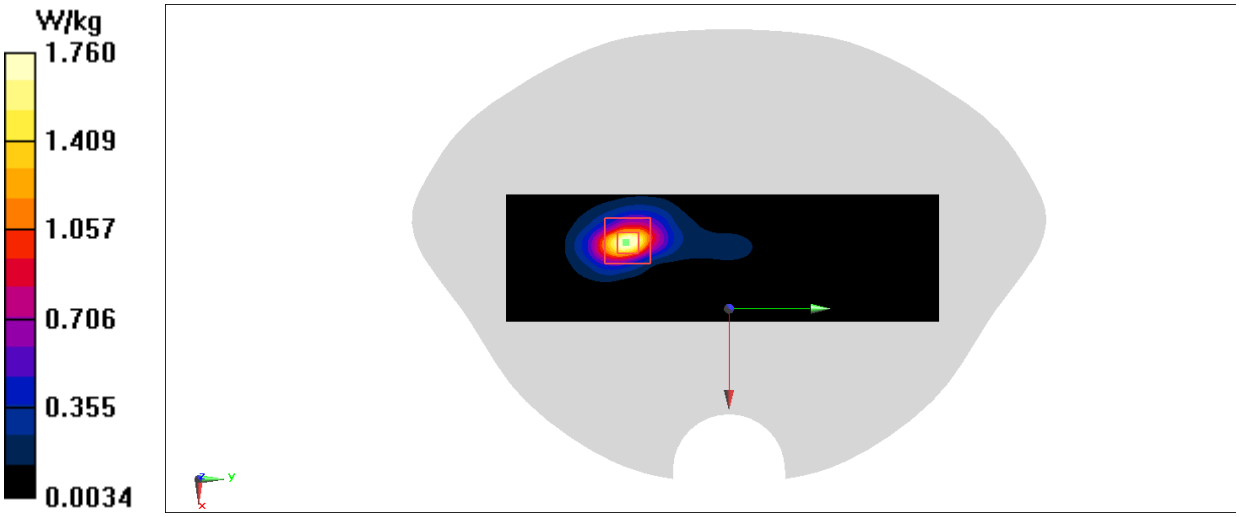

Fig A.25

LTE2600-TDD41 PC2_Body
Date: 10/30/2021
Electronics: DAE4 Sn1525
Medium: H2600
Medium parameters used: f = 2550 MHz; σ = 2.003 S/m; εr = 40.08; ρ = 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

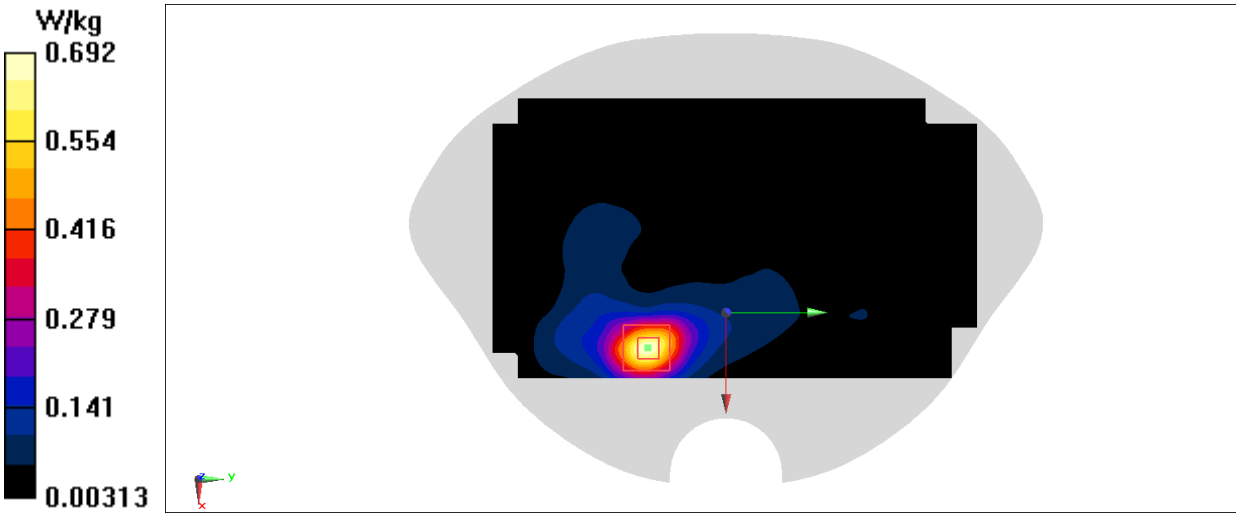

Fig A.26

LTE2600-TDD41 PC3_Head
Date: 10/30/2021
Electronics: DAE4 Sn1525
Medium: H2600
Medium parameters used: f = 2550 MHz; σ = 2.003 S/m; εr = 40.08; ρ = 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

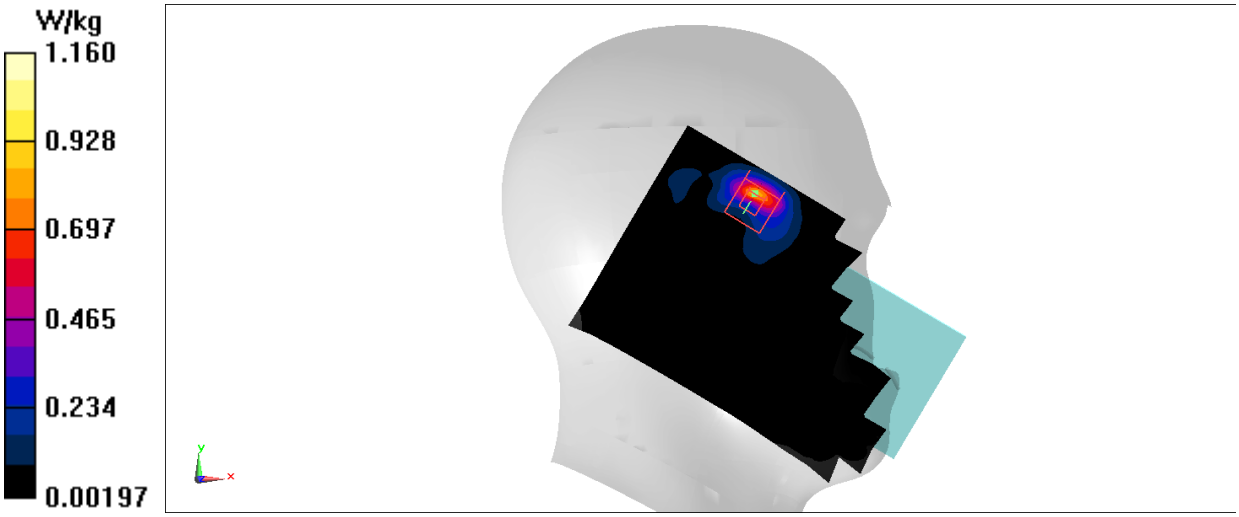

Fig A.27

LTE2600-TDD41 PC3_Body
Date: 10/30/2021
Electronics: DAE4 Sn1525
Medium: H2600
Medium parameters used: f = 2550 MHz; σ = 2.003 S/m; εr = 40.08; ρ = 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

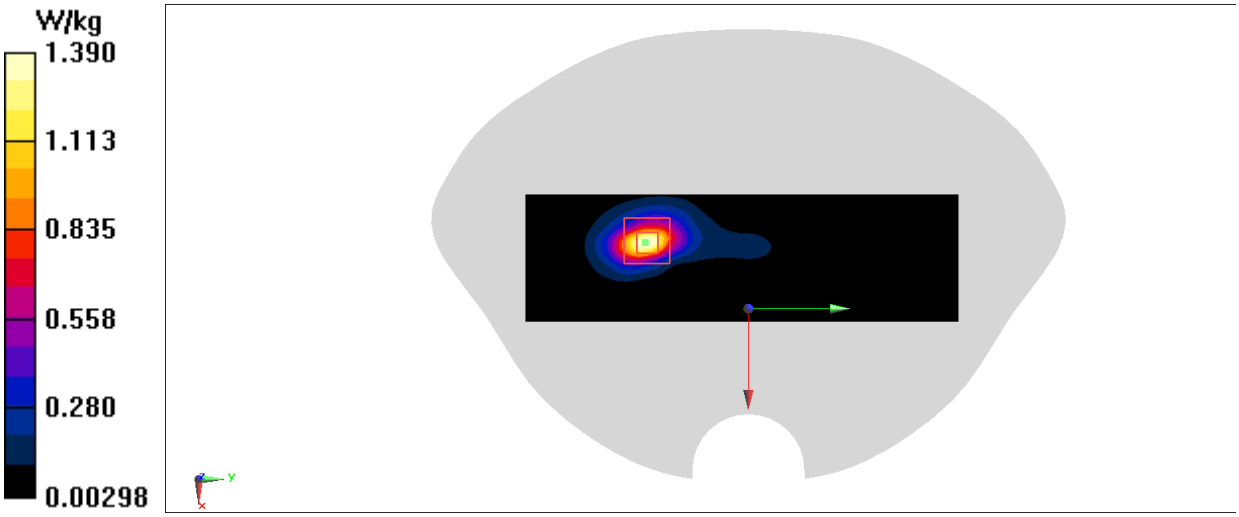

Fig A.28

LTE2600-TDD41 PC3_Body
Date: 10/30/2021
Electronics: DAE4 Sn1525
Medium: H2600
Medium parameters used: f = 2550 MHz; σ = 2.003 S/m; εr = 40.08; ρ = 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

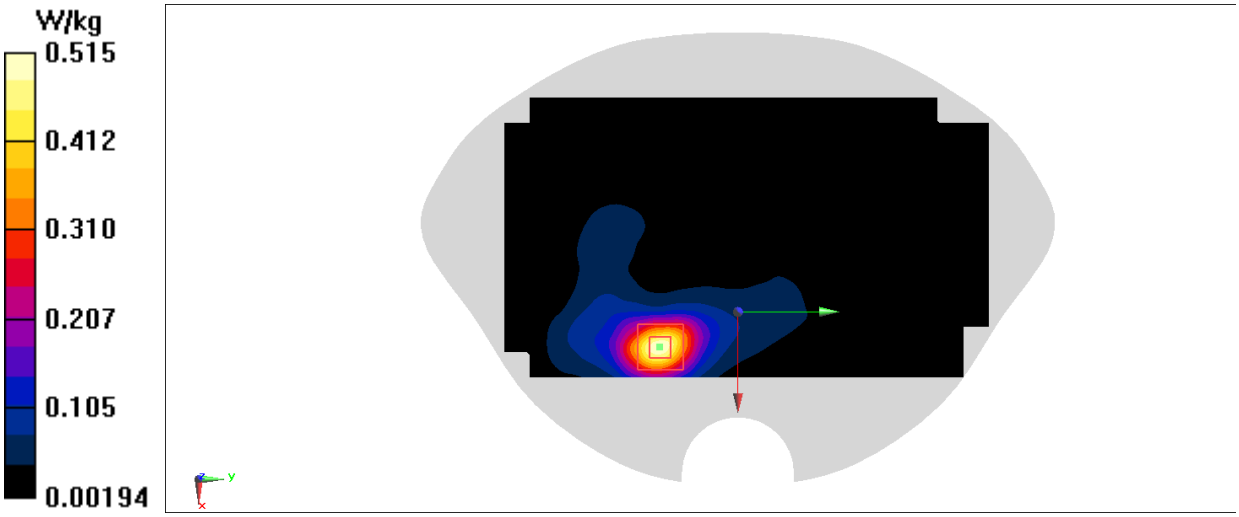

Fig A.29

LTE1700-FDD66_Head
Date: 10/15/2021
Electronics: DAE4 Sn1525
Medium: H1750
Medium parameters used: f = 1720 MHz; σ = 1.37 S/m; εr = 43.35; ρ = 1000 kg/m3
Ambient Temperature:22.9oC Liquid Temperature: 22.7oC
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

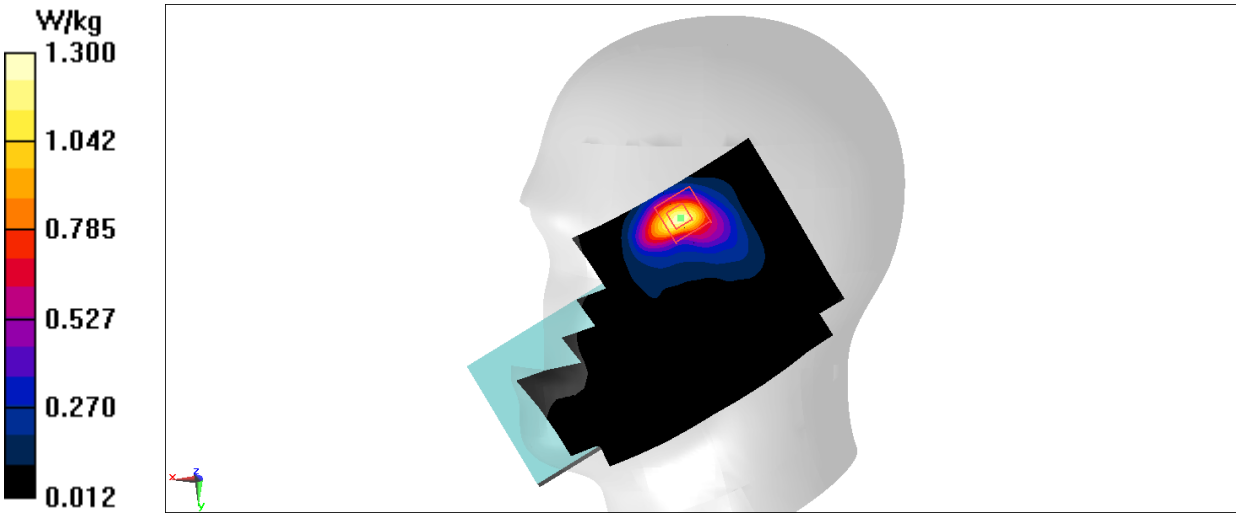

Fig A.30

LTE1700-FDD66_Body
Date: 10/15/2021
Electronics: DAE4 Sn1525
Medium: H1750
Medium parameters used: f = 1720 MHz; σ = 1.37 S/m; εr = 43.35; ρ = 1000 kg/m3
Ambient Temperature:22.9oC Liquid Temperature: 22.7oC
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

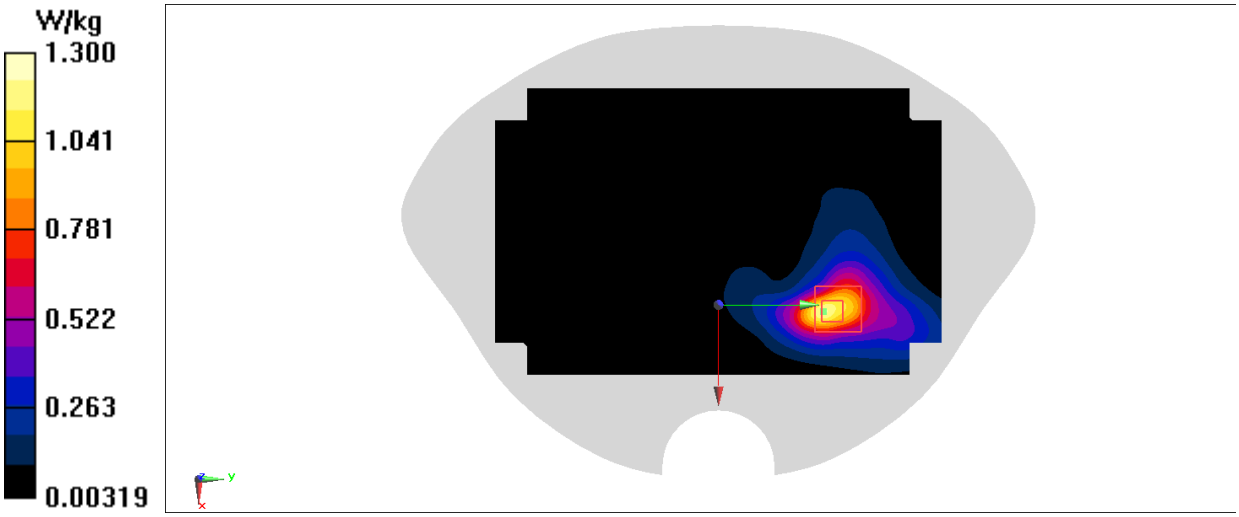

Fig A.31

LTE1700-FDD66_Body
Date: 10/15/2021
Electronics: DAE4 Sn1525
Medium: H1750
Medium parameters used: f = 1720 MHz; σ = 1.37 S/m; εr = 43.35; ρ = 1000 kg/m3
Ambient Temperature:22.9oC Liquid Temperature: 22.7oC
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

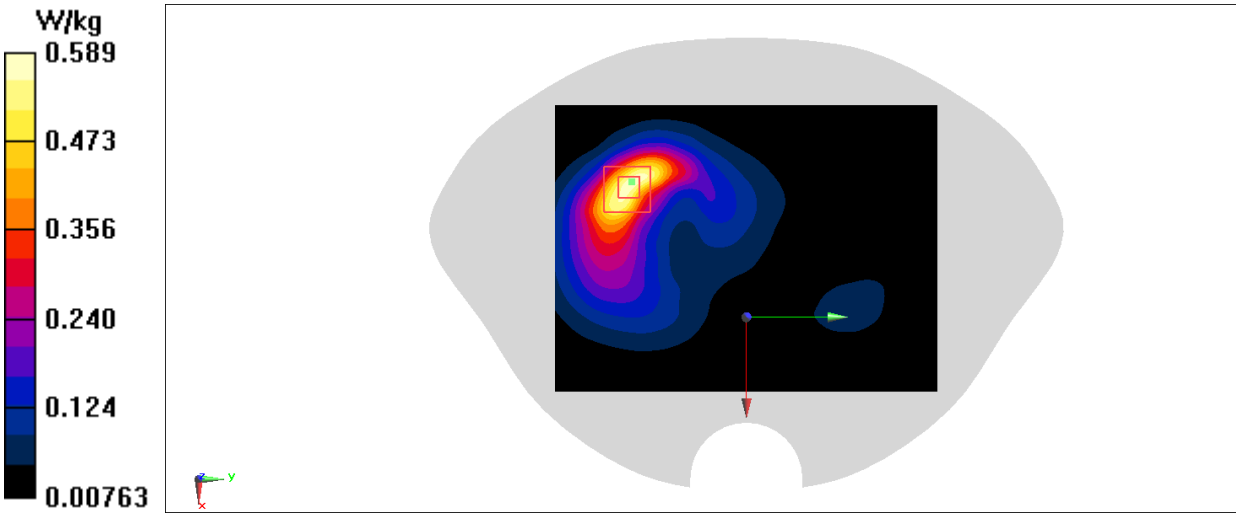

Fig A.32

LTE700-FDD71_Head
Date: 10/1/2021
Electronics: DAE4 Sn1525
Medium: H750
Medium parameters used (extrapolated): f = 673 MHz; σ = 0.853 S/m; εr = 44.75; ρ = 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 (81x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.746 W/kg

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

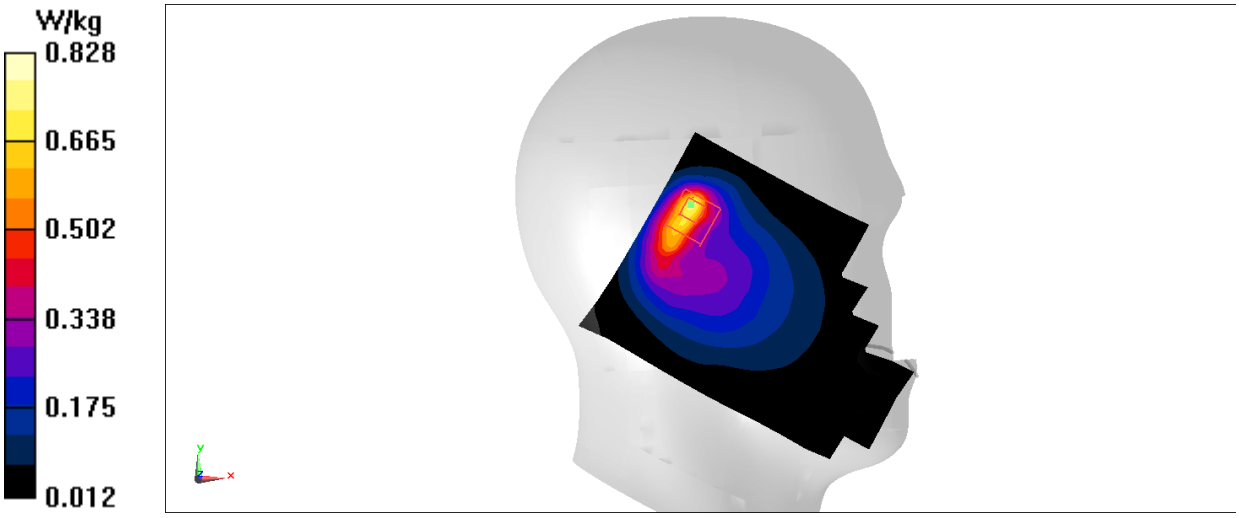

Fig A.33

LTE700-FDD71_Body
Date: 10/1/2021
Electronics: DAE4 Sn1525
Medium: H750
Medium parameters used (extrapolated): f = 673 MHz; σ = 0.853 S/m; εr = 44.75; ρ = 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

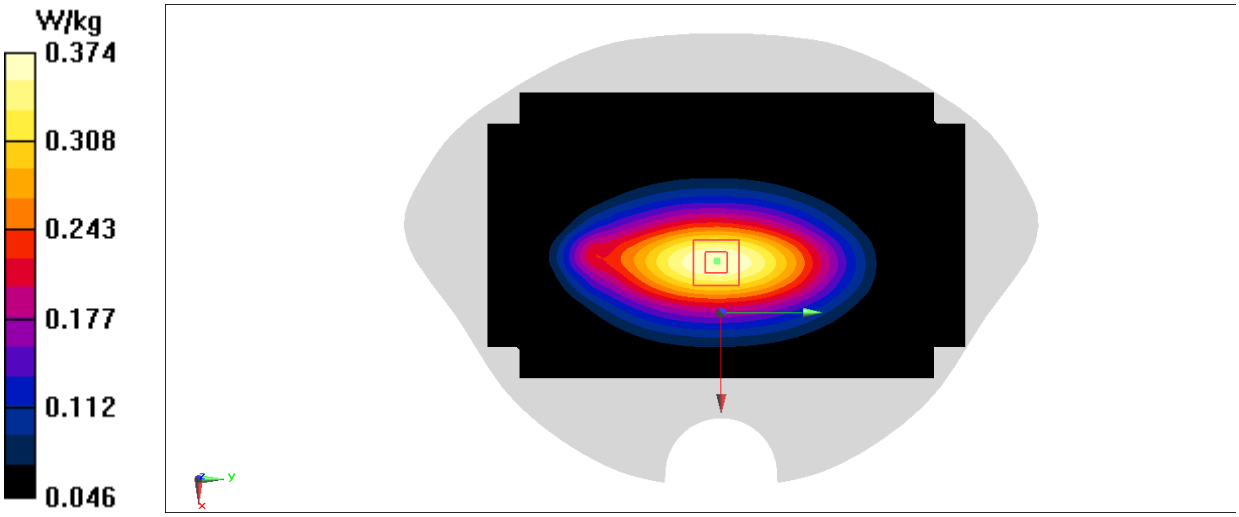

Fig A.34

WLAN2450_Head
Date: 10/27/2021
Electronics: DAE4 Sn1525
Medium: H2450
Medium parameters used (interpolated): f = 2412 MHz; σ = 1.891 S/m; εr = 40.317; ρ = 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

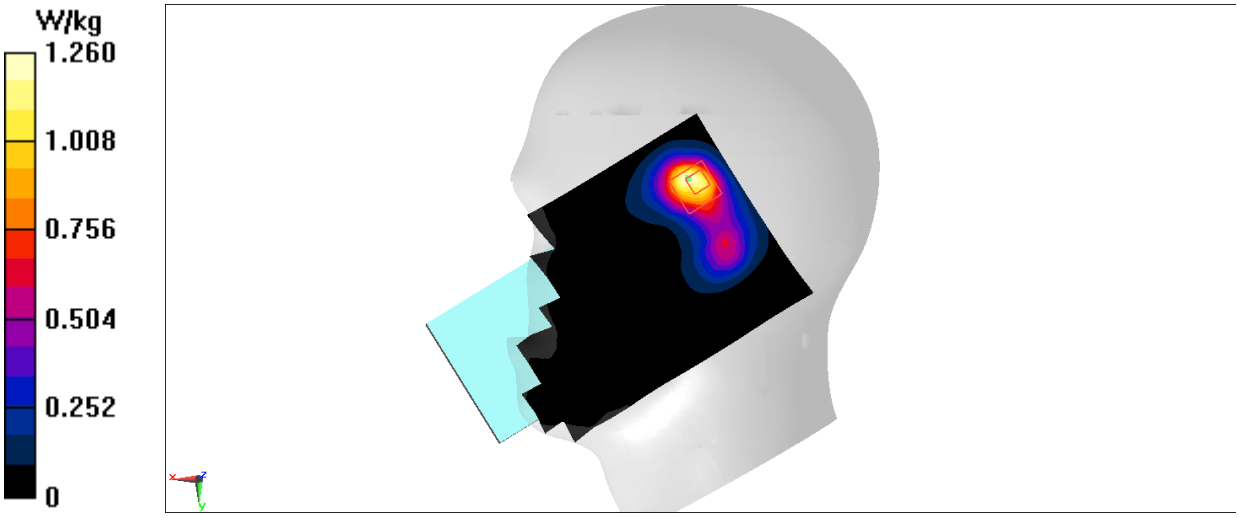

Fig A.35

WLAN2450_Body
Date: 10/27/2021
Electronics: DAE4 Sn1525
Medium: H2450
Medium parameters used (interpolated): f = 2412 MHz; σ = 1.891 S/m; εr = 40.317; ρ = 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

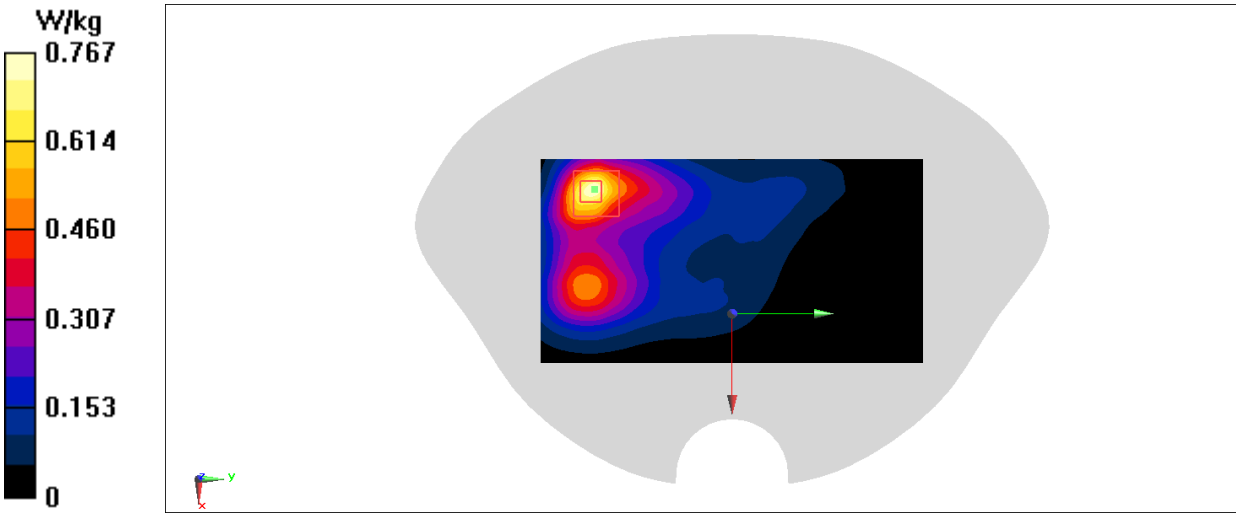

Fig A.36

WLAN5G_Head
Date: 10/25/2021
Electronics: DAE4 Sn1525
Medium: H5G
Medium parameters used: f = 5660 MHz; σ = 5.112 S/m; εr = 34.027; ρ = 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

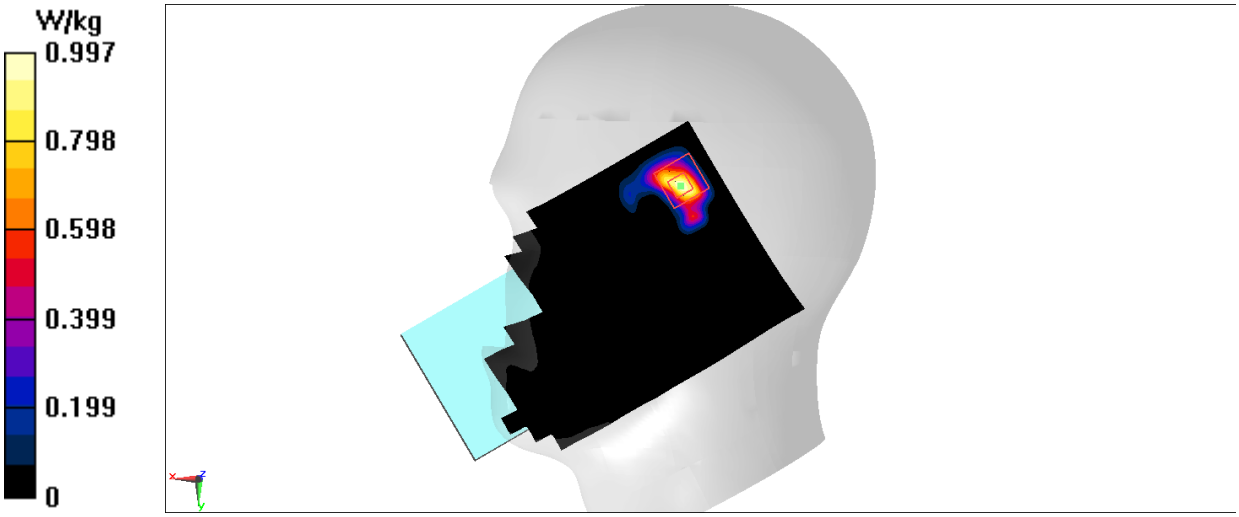

Fig A.37

WLAN5G_Body
Date: 10/25/2021
Electronics: DAE4 Sn1525
Medium: H5G
Medium parameters used: f = 5660 MHz; σ = 5.112 S/m; εr = 34.027; ρ = 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

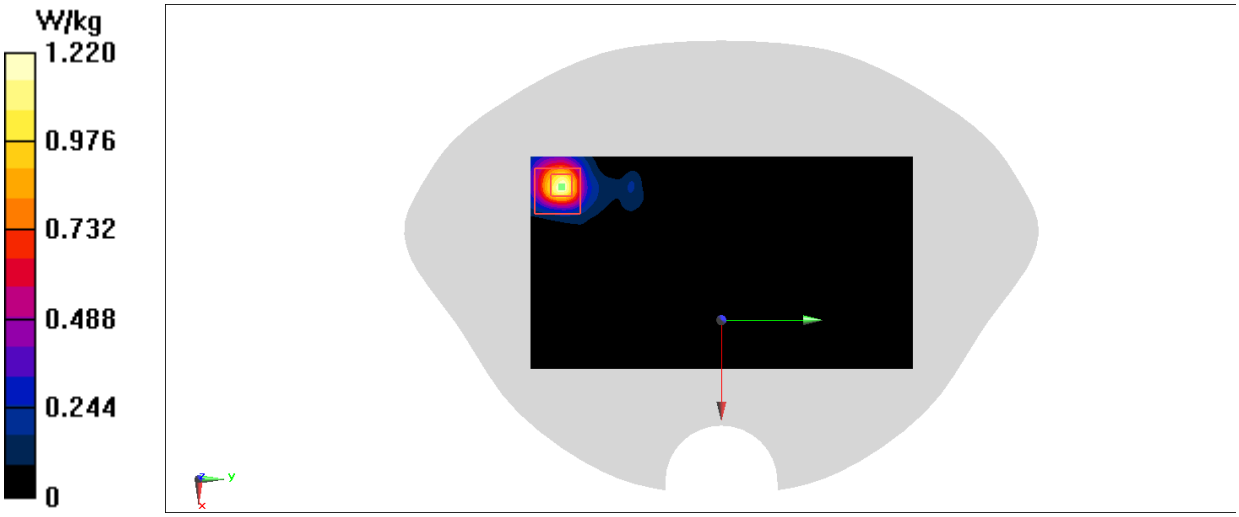

Fig A.38

BT_Head
Date: 10/27/2021
Electronics: DAE4 Sn1525
Medium: H2450
Medium parameters used: f = 2480 MHz; σ = 1.941 S/m; εr = 40.219; ρ = 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

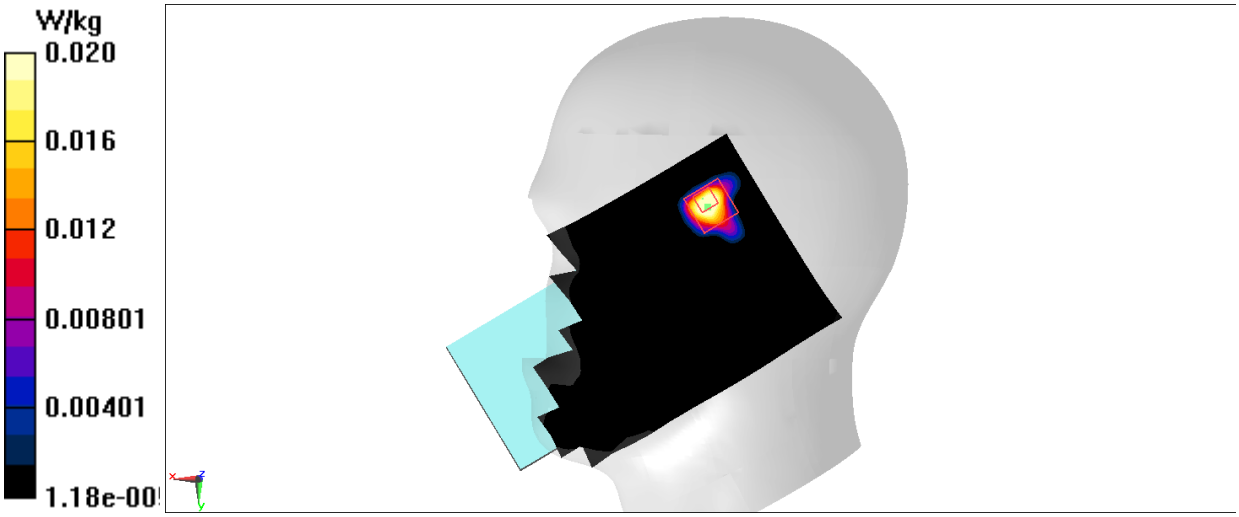

Fig A.39

BT_Body
Date: 10/27/2021
Electronics: DAE4 Sn1525
Medium: H2450
Medium parameters used: f = 2480 MHz; σ = 1.941 S/m; εr = 40.219; ρ = 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

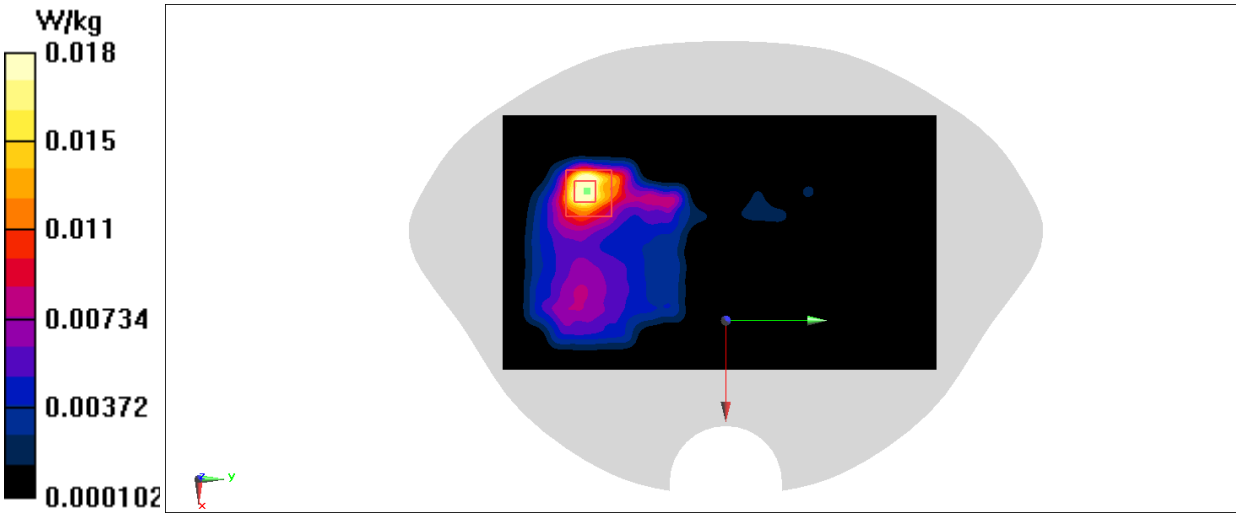

Fig A.40

n25_CH376500 Left Cheek
Date: 10/20/2021
Electronics: DAE4 Sn1525
Medium: H1900
Medium parameters used (interpolated): f = 1882.5 MHz; σ = 1.474 S/m; εr = 43.114; ρ = 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

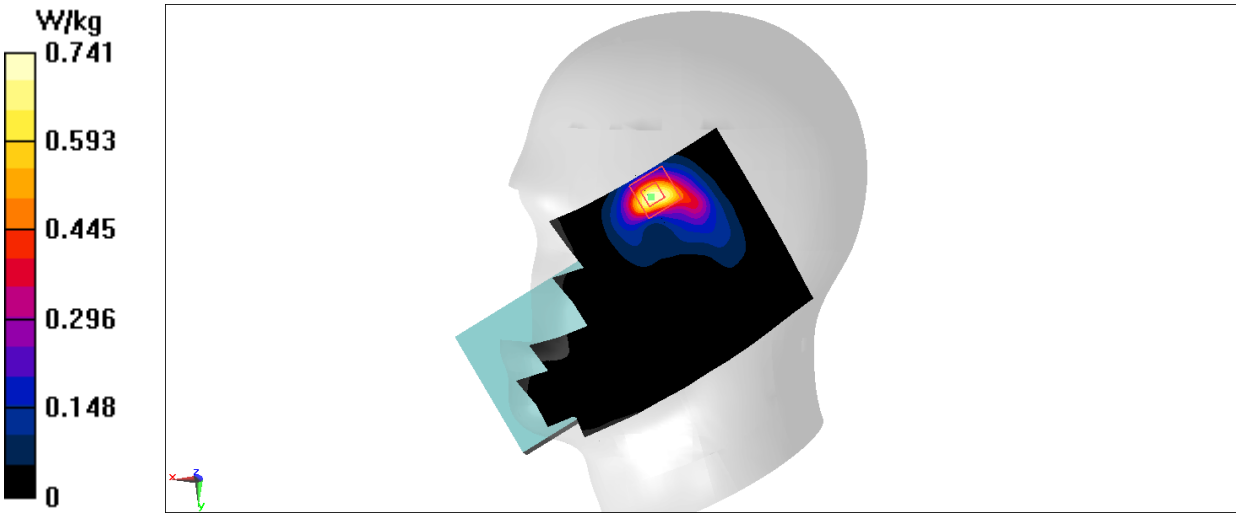

Fig A.41

n25_Body
Date: 10/20/2021
Electronics: DAE4 Sn1525
Medium: H1900
Medium parameters used (interpolated): f = 1882.5 MHz; σ = 1.474 S/m; εr = 43.114; ρ = 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

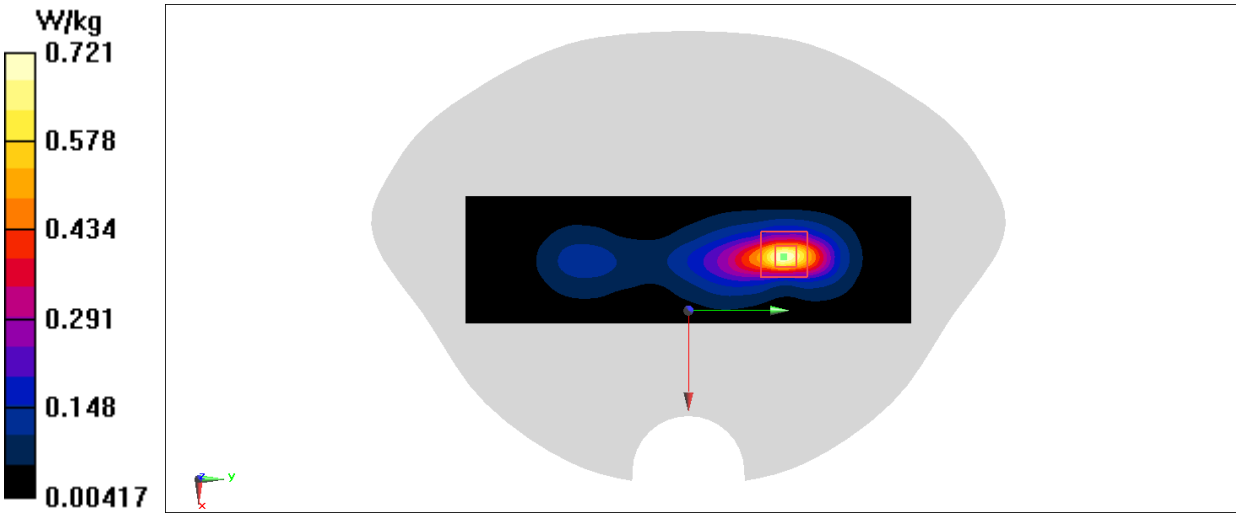

Fig A.42

n25_Body
Date: 10/20/2021
Electronics: DAE4 Sn1525
Medium: H1900
Medium parameters used (interpolated): f = 1882.5 MHz; σ = 1.474 S/m; εr = 43.114; ρ = 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

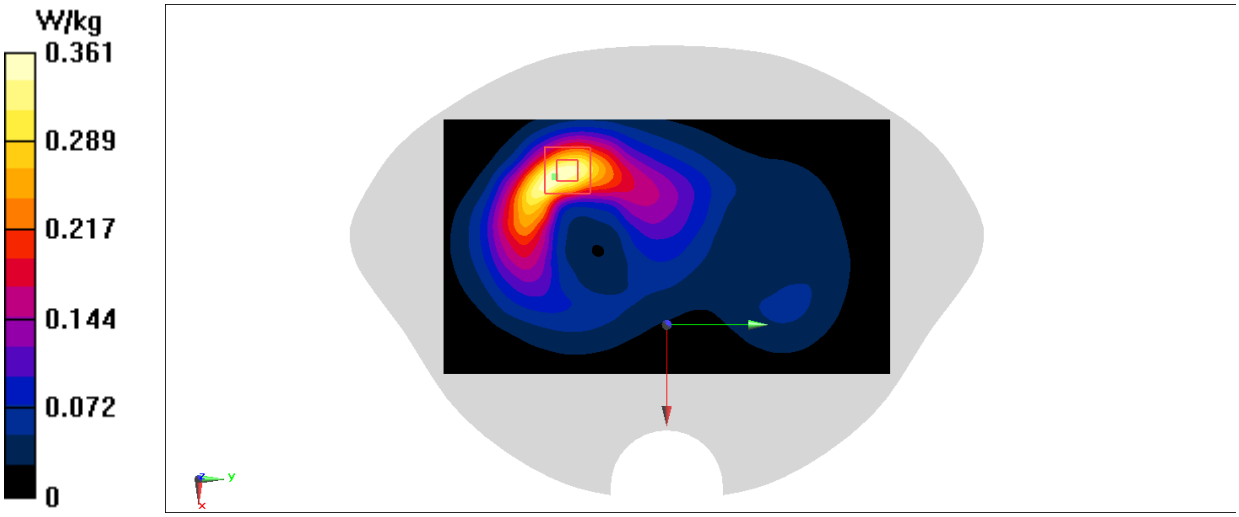

Fig A.43

n41_Head
Date: 11/22/2021
Electronics: DAE4 Sn1525
Medium: H2600
Medium parameters used: f = 2550 MHz; σ = 1.942 S/m; εr = 40.411; ρ = 1000 kg/m3
Ambient Temperature:23.1oC Liquid Temperature: 22.7oC
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

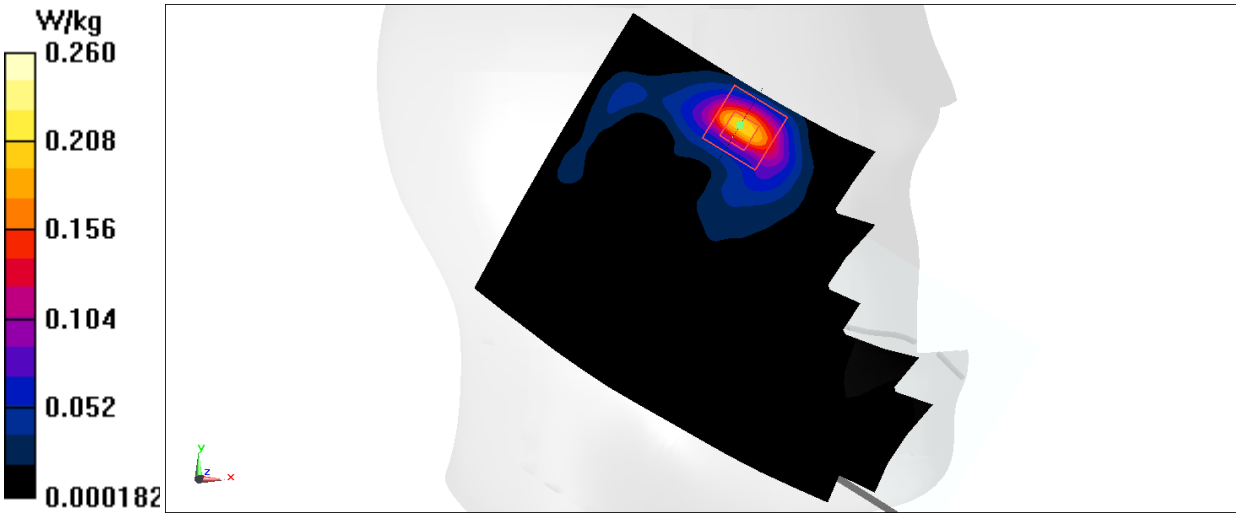

Fig A.44

n41_Body
Date: 11/22/2021
Electronics: DAE4 Sn1525
Medium: H2600
Medium parameters used: f = 2550 MHz; σ = 1.942 S/m; εr = 40.411; ρ = 1000 kg/m3
Ambient Temperature:23.1oC Liquid Temperature: 22.7oC
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

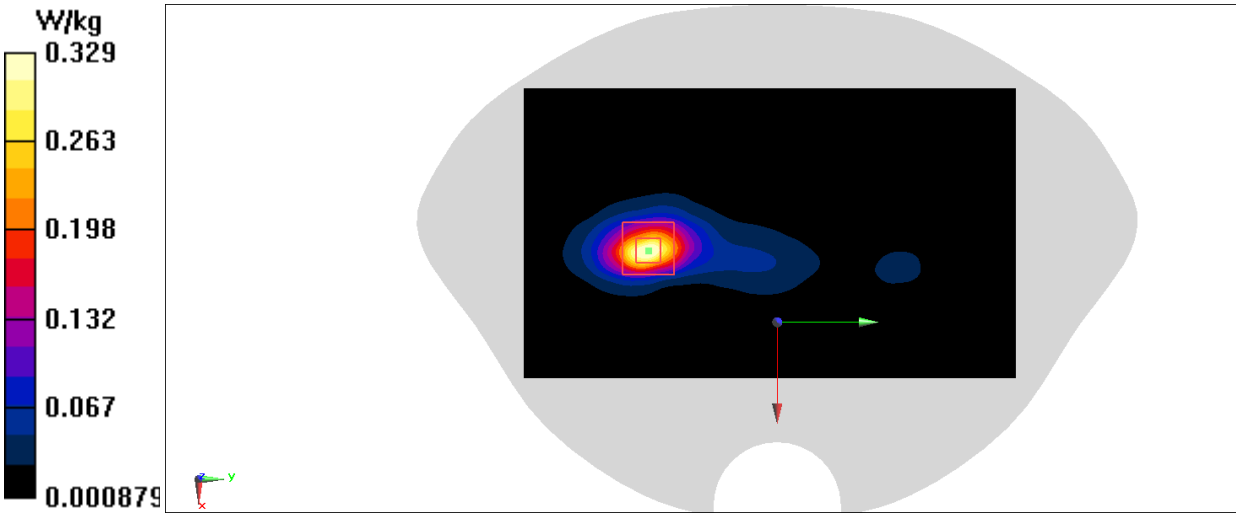

Fig A.45

n41_Body_NSA
Date: 10/28/2021
Electronics: DAE4 Sn1525
Medium: H2600
Medium parameters used: f = 2550 MHz; σ = 1.957 S/m; εr = 40.681; ρ = 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

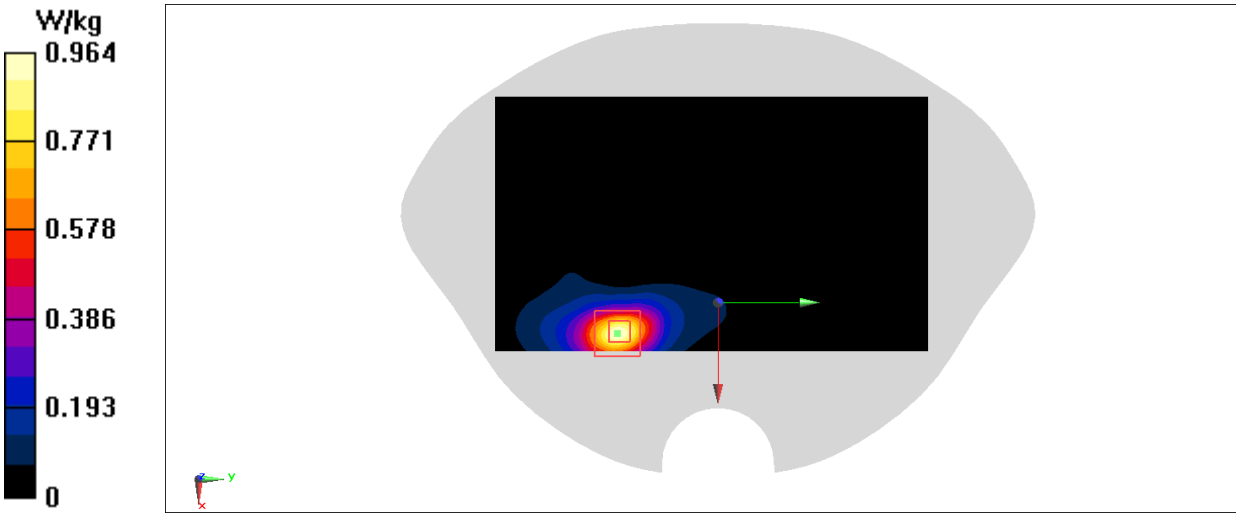

Fig A.46

n41_Body_SA
Date: 11/22/2021
Electronics: DAE4 Sn1525
Medium: H2600
Medium parameters used: f = 2550 MHz; σ = 1.942 S/m; εr = 40.411; ρ = 1000 kg/m3
Ambient Temperature:23.1oC Liquid Temperature: 22.7oC
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

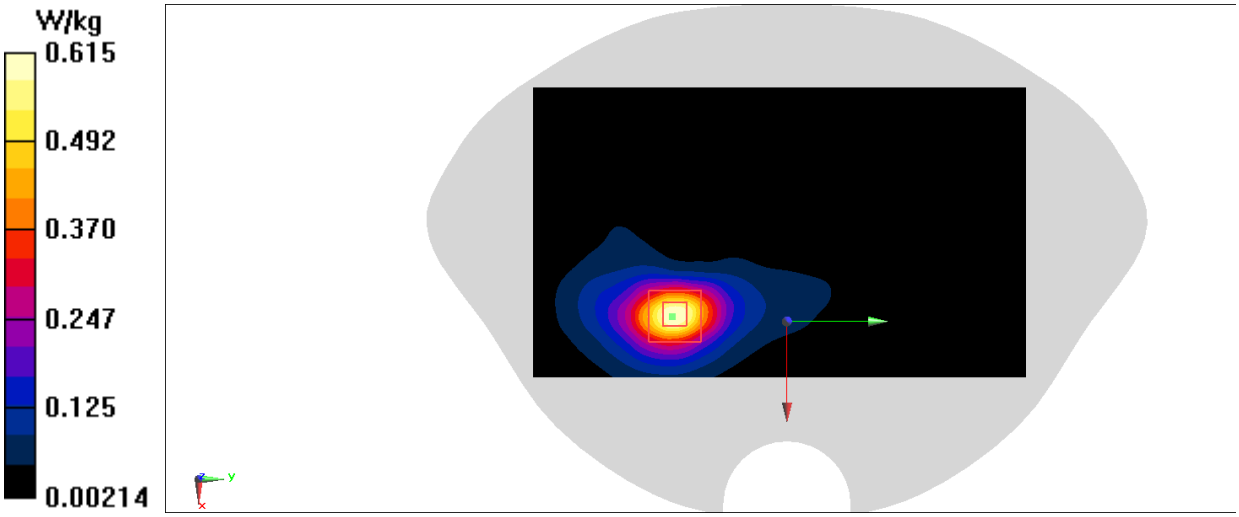

Fig A.47

n66_Head
Date: 10/22/2021
Electronics: DAE4 Sn1525
Medium: H1750
Medium parameters used (interpolated): f = 1777.5 MHz; σ = 1.407 S/m; εr = 43.338; ρ = 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

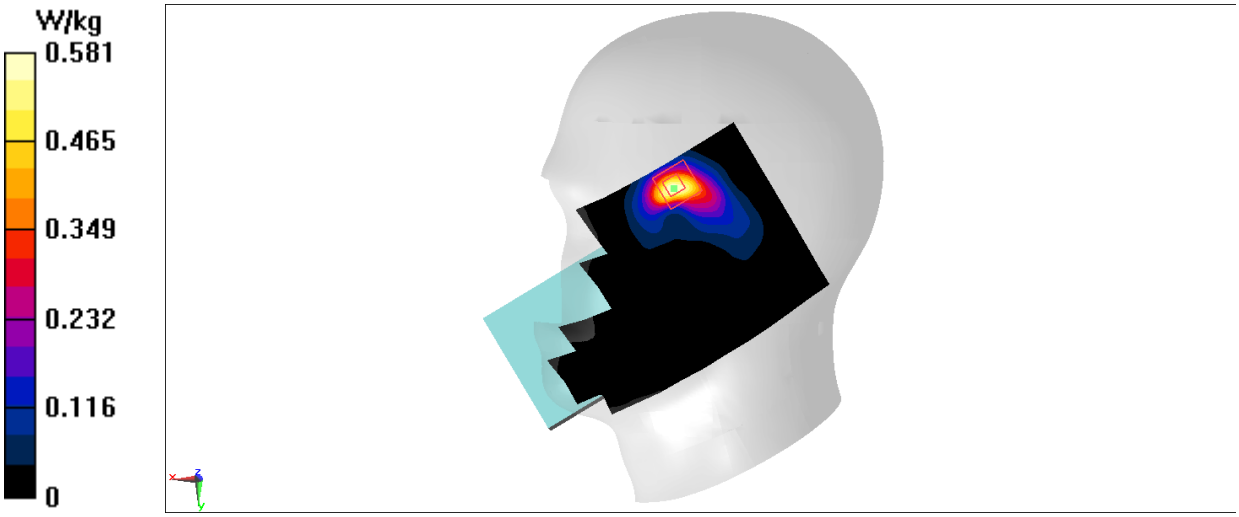

Fig A.48

n66_Body
Date: 10/22/2021
Electronics: DAE4 Sn1525
Medium: H1750
Medium parameters used (interpolated): f = 1777.5 MHz; σ = 1.407 S/m; εr = 43.338; ρ = 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

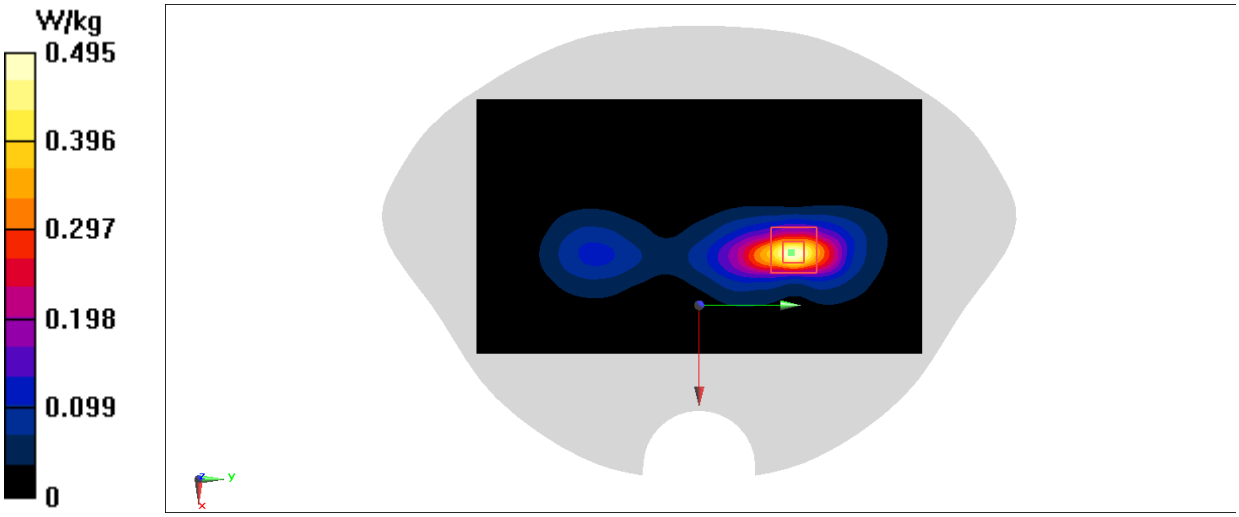

Fig A.49

n66_Body
Date: 10/22/2021
Electronics: DAE4 Sn1525
Medium: H1750
Medium parameters used (interpolated): f = 1712.5 MHz; σ = 1.366 S/m; εr = 43.36; ρ = 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

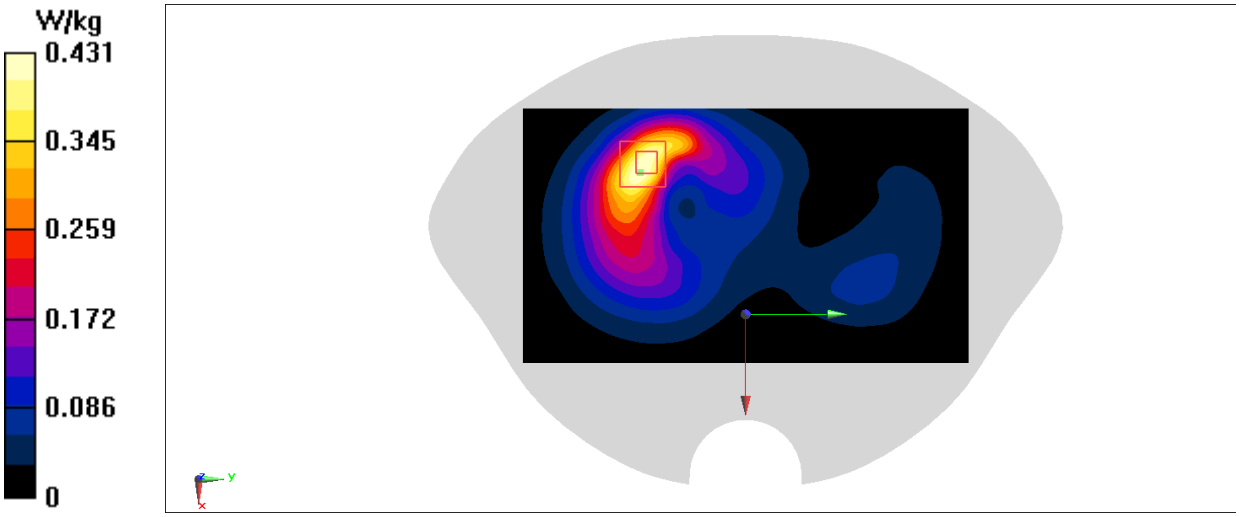

Fig A.50

n71_Head
Date: 10/24/2021
Electronics: DAE4 Sn1525
Medium: H750
Medium parameters used (extrapolated): f = 665.5 MHz; σ = 0.841 S/m; εr = 46.013; ρ = 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

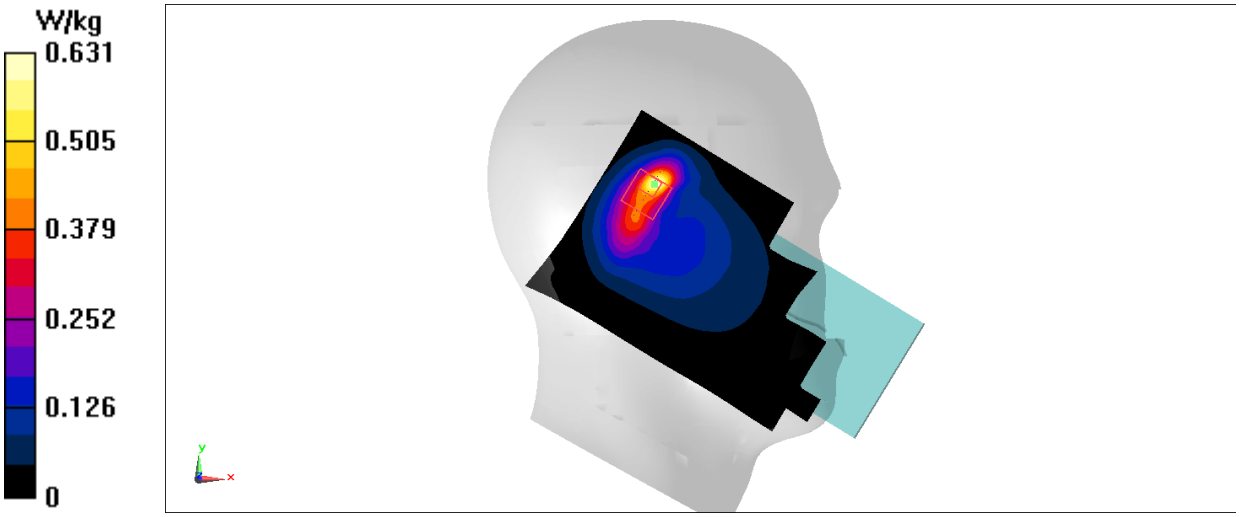

Fig A.51

n71_Head
Date: 10/24/2021
Electronics: DAE4 Sn1525
Medium: H750
Medium parameters used (extrapolated): f = 665.5 MHz; σ = 0.841 S/m; εr = 46.013; ρ = 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

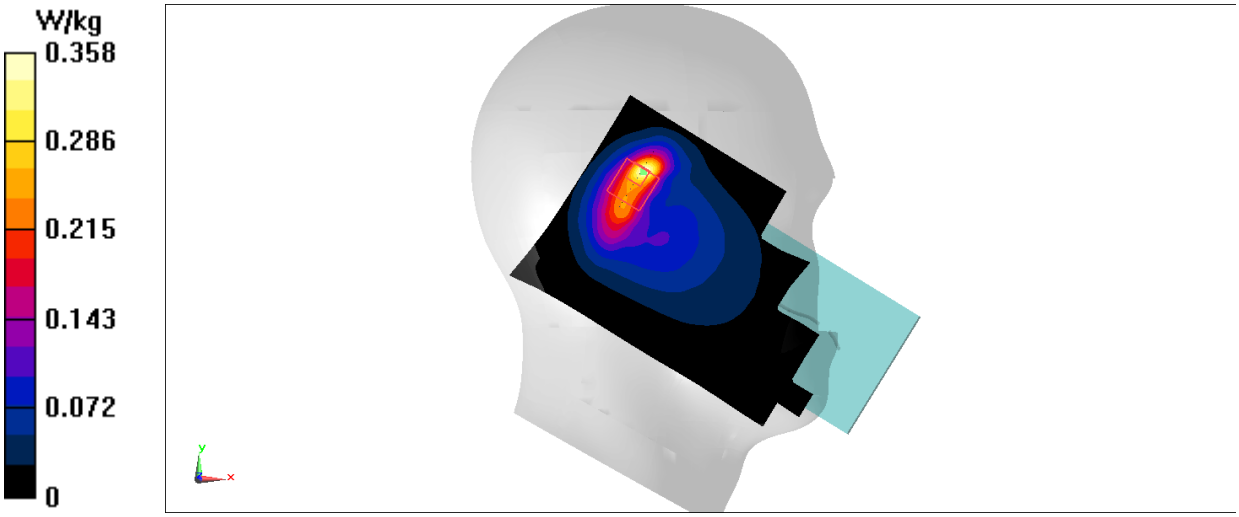

Fig A.52

n71_Body
Date: 10/24/2021
Electronics: DAE4 Sn1525
Medium: H750
Medium parameters used (extrapolated): f = 665.5 MHz; σ = 0.841 S/m; εr = 46.013; ρ = 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

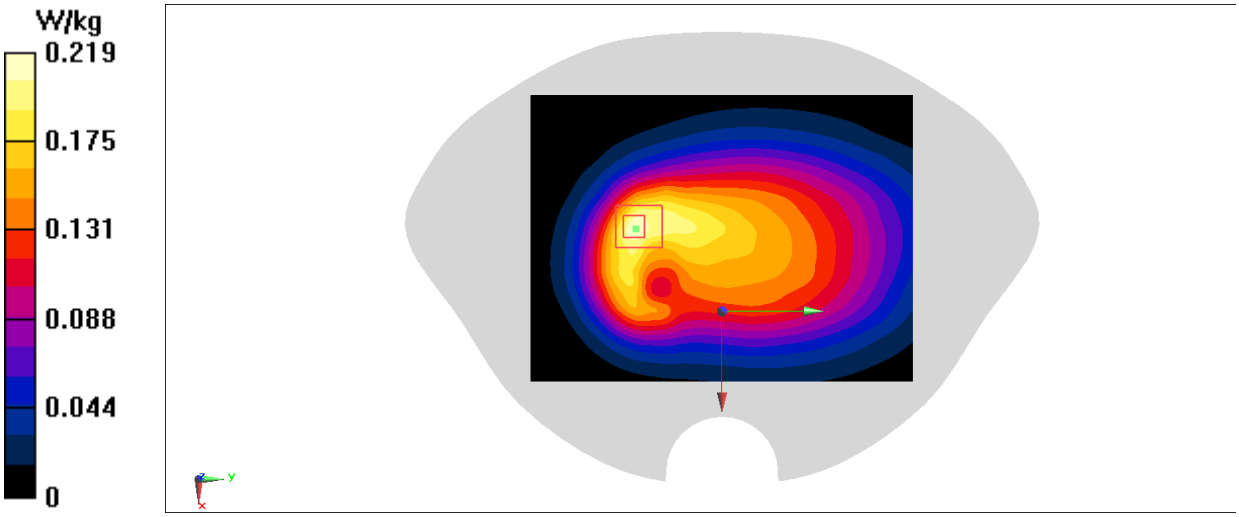

Fig A.53

n77_Head
Date: 11/3/2021
Electronics: DAE4 Sn1525
Medium: H3900
Medium parameters used (interpolated): f = 3822 MHz; σ = 3.34 S/m; εr = 38.06; ρ = 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

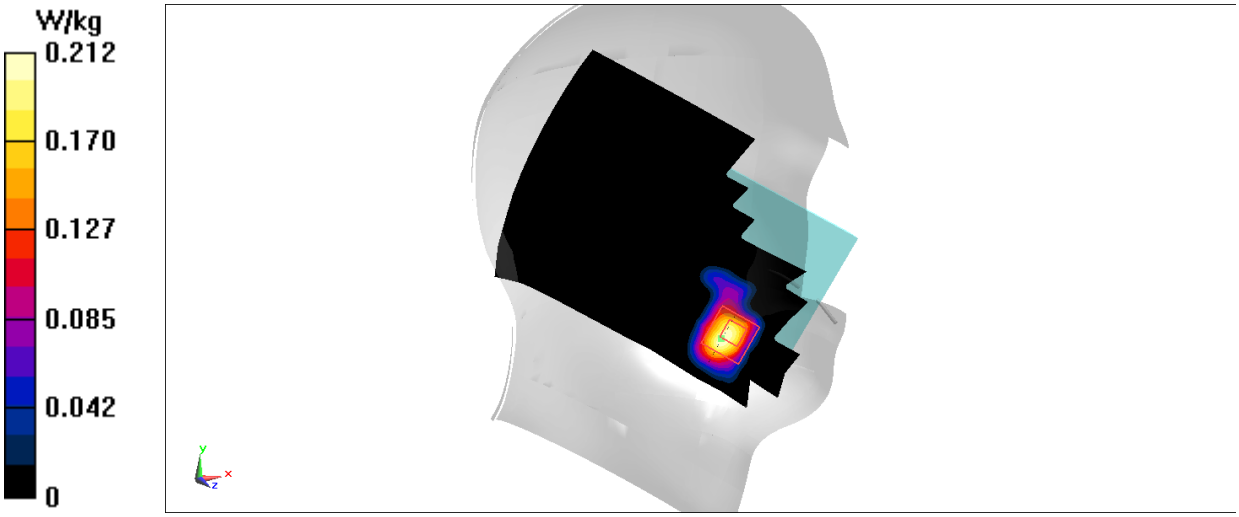

Fig A.54

n77_Body
Date: 11/3/2021
Electronics: DAE4 Sn1525
Medium: H3900
Medium parameters used: f = 3970 MHz; σ = 3.43 S/m; εr = 37.89; ρ = 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

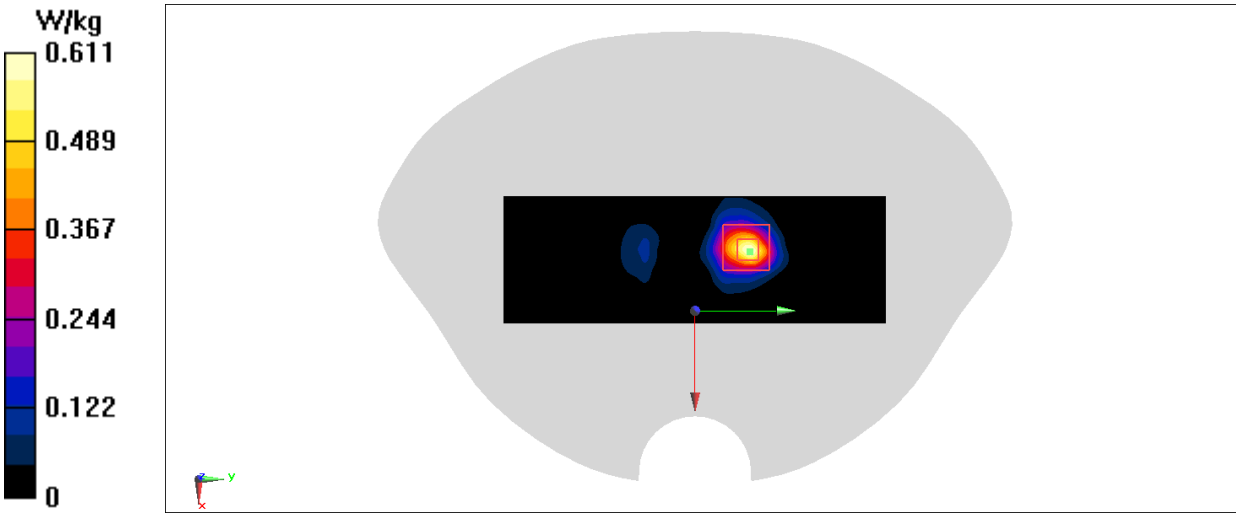

Fig A.55

N77_Head
Date: 11/3/2021
Electronics: DAE4 Sn1525
Medium: H3500
Medium parameters used (interpolated): f = 3500.01 MHz; σ = 2.963 S/m; εr = 38.841; ρ = 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

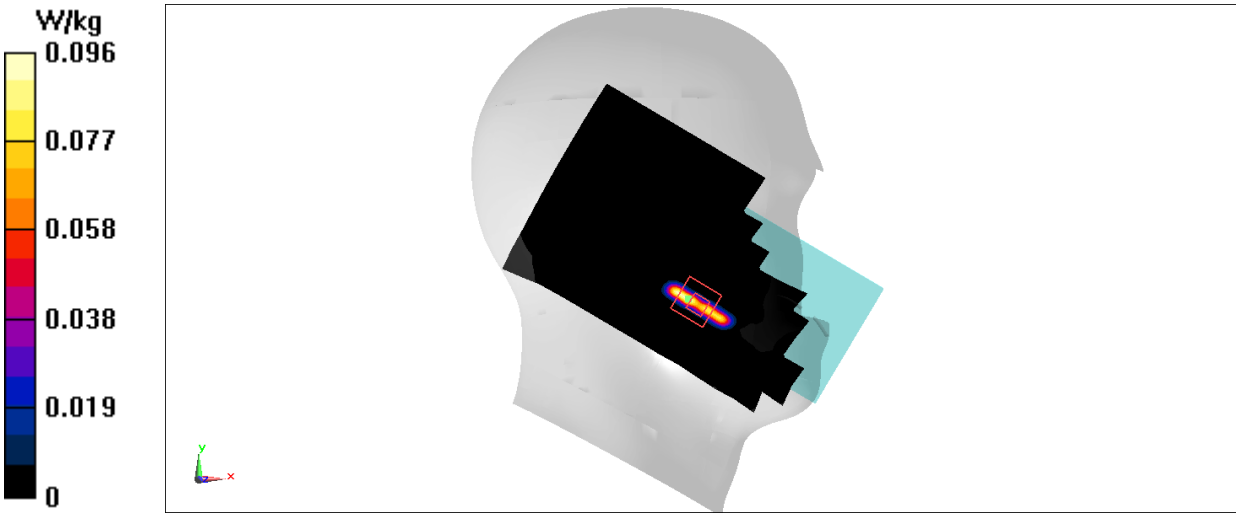

Fig A.56

n77_Body
Date: 11/3/2021
Electronics: DAE4 Sn1525
Medium: H3500
Medium parameters used (interpolated): f = 3460.02 MHz; σ = 2.923 S/m; εr = 38.932; ρ = 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

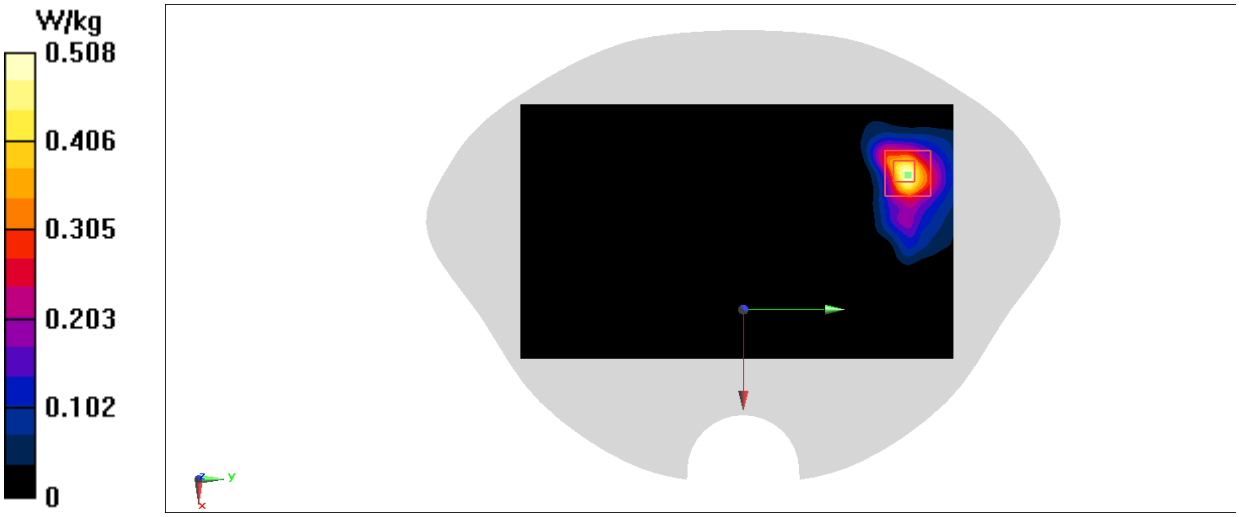

Fig A.57

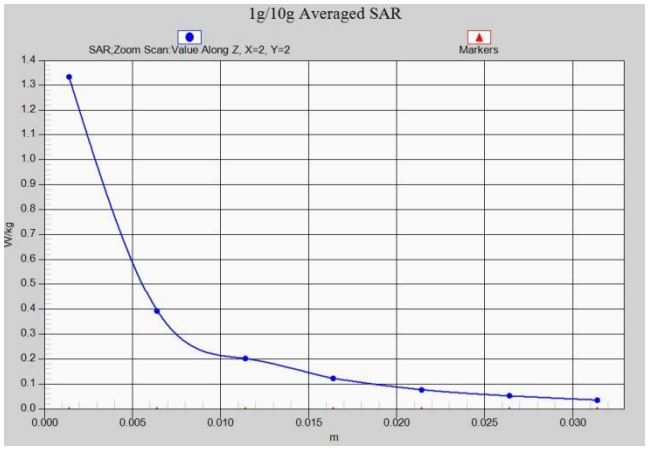

Fig. 1-1 Z-Scan at power reference point (850 MHz)

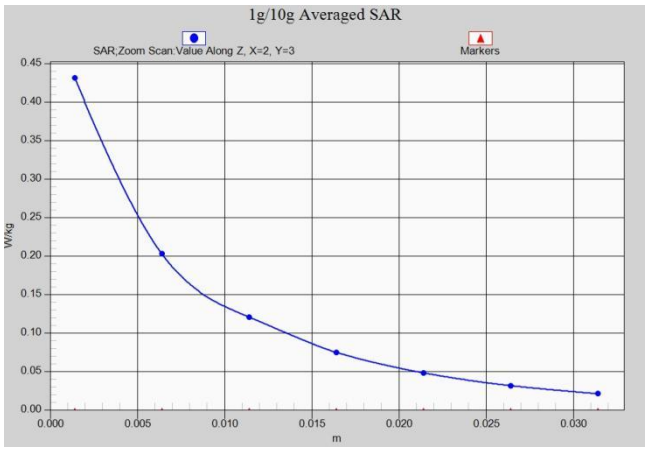

Fig. 1-2 Z-Scan at power reference point (850 MHz)

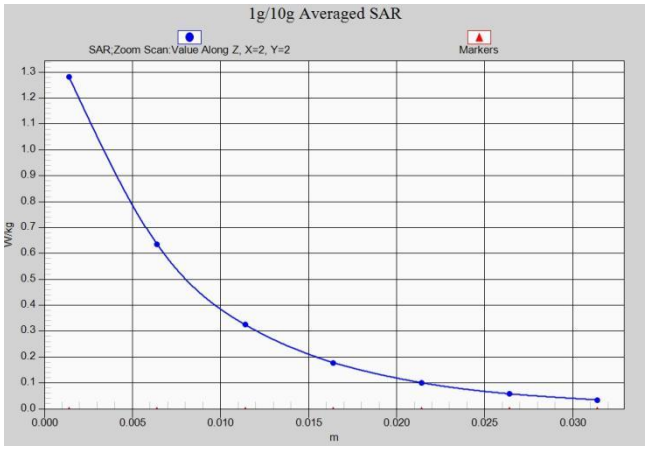

Fig. 1-3 Z-Scan at power reference point (1900 MHz)

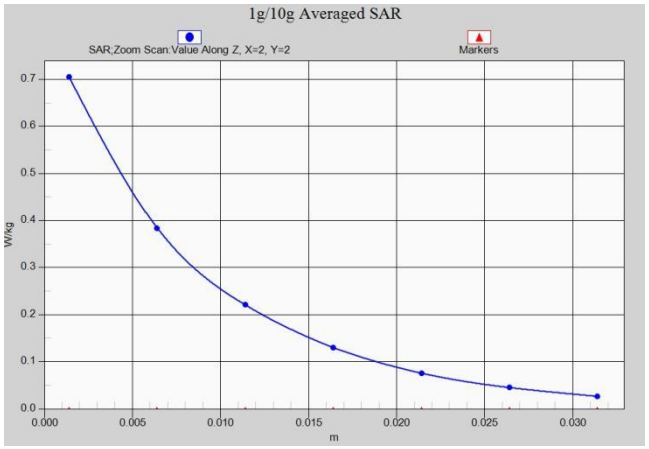

Fig. 1-4 Z-Scan at power reference point (1900 MHz)

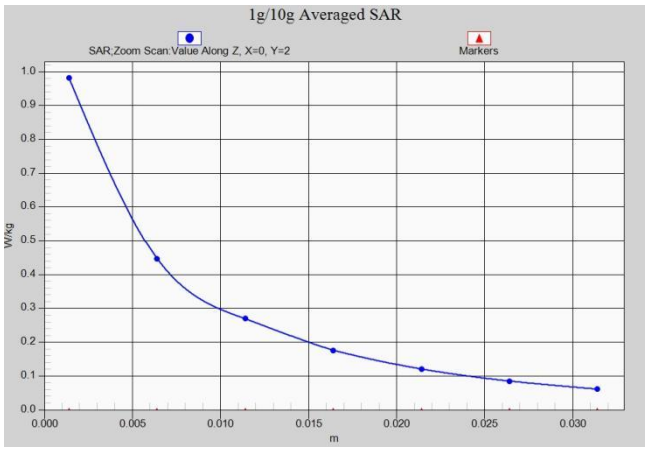

Fig. 1-5 Z-Scan at power reference point (WCDMA850)

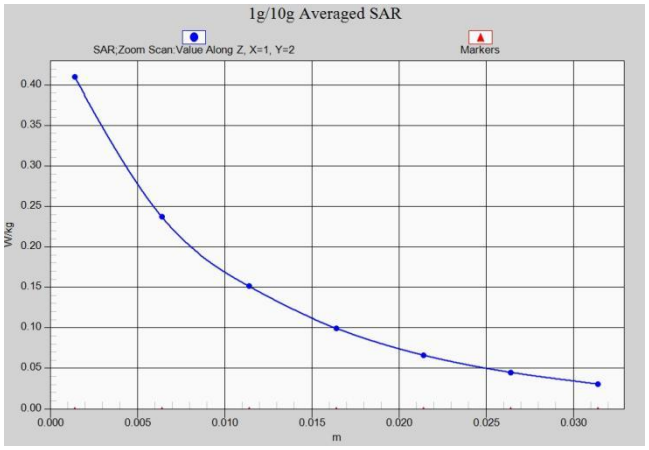

Fig. 1-6 Z-Scan at power reference point (WCDMA850)

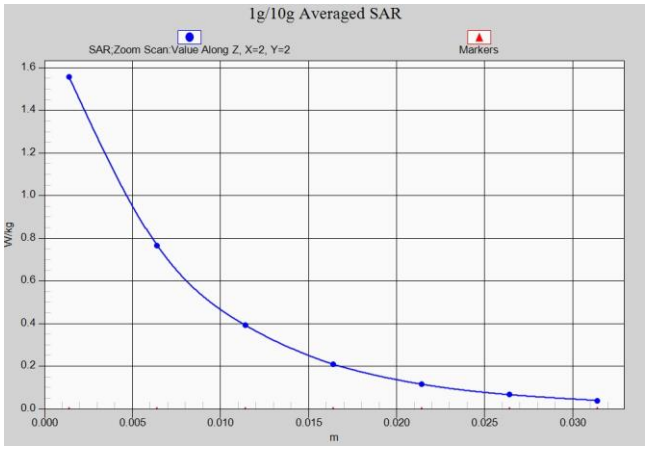

Fig. 1-7 Z-Scan at power reference point (WCDMA1700)

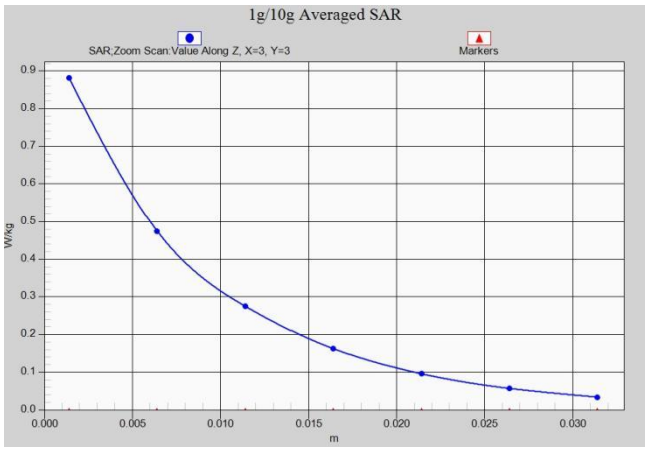

Fig. 1-8 Z-Scan at power reference point (WCDMA1700)

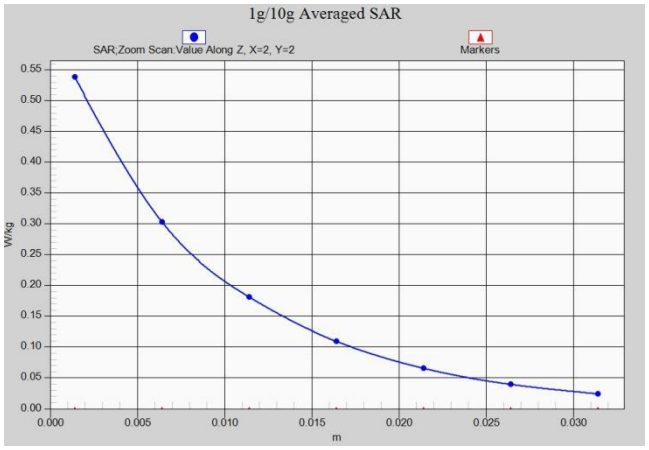

Fig. 1-9 Z-Scan at power reference point (WCDMA1700)

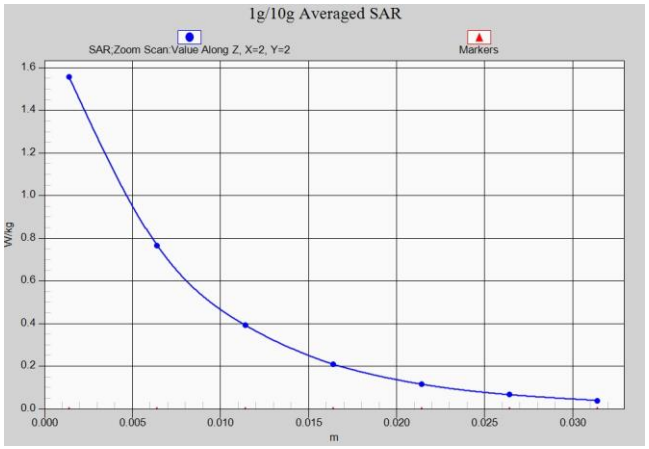

Fig. 1-10 Z-Scan at power reference point (WCDMA1900)

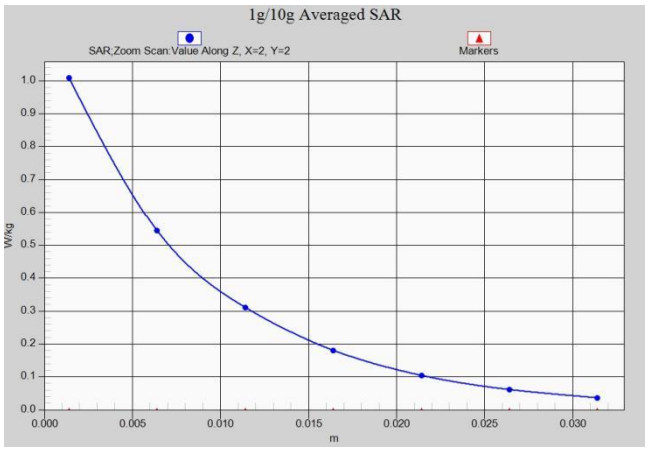

Fig. 1-11 Z-Scan at power reference point (WCDMA1900)

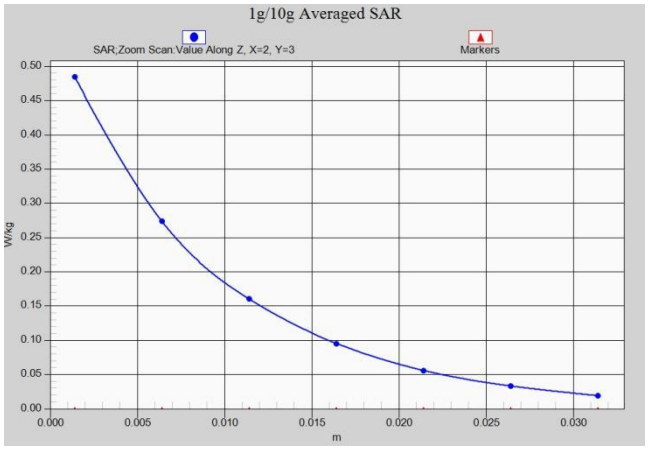

Fig. 1-12 Z-Scan at power reference point (WCDMA1900)

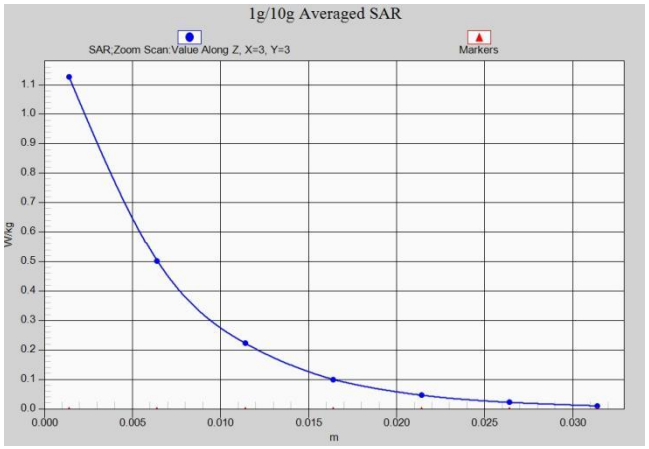

Fig. 1-13 Z-Scan at power reference point (LTE Band7)

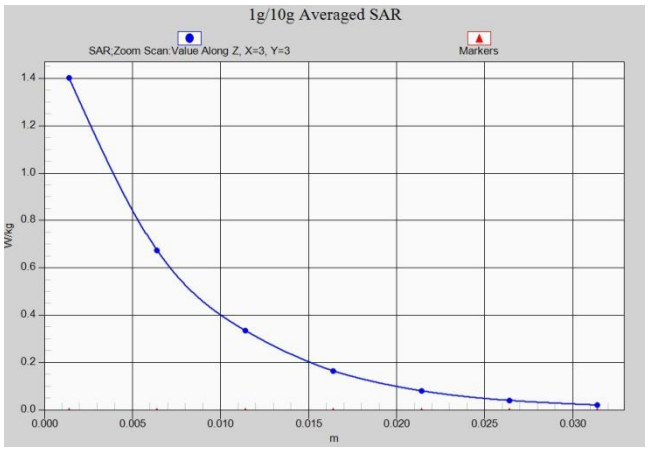

Fig. 1-14 Z-Scan at power reference point (LTE Band7)

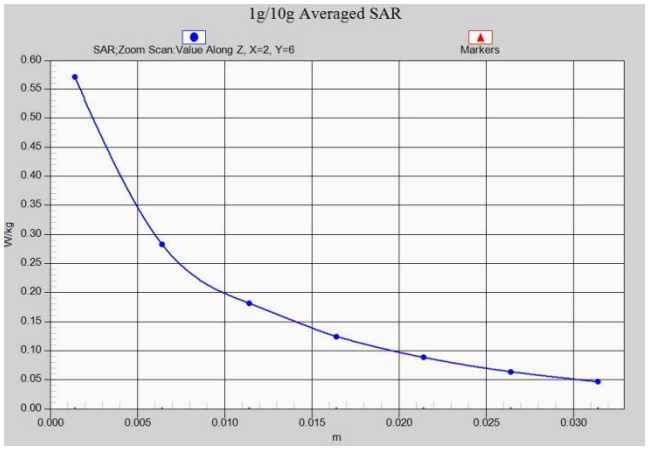

Fig. 1-15 Z-Scan at power reference point (LTE Band12)

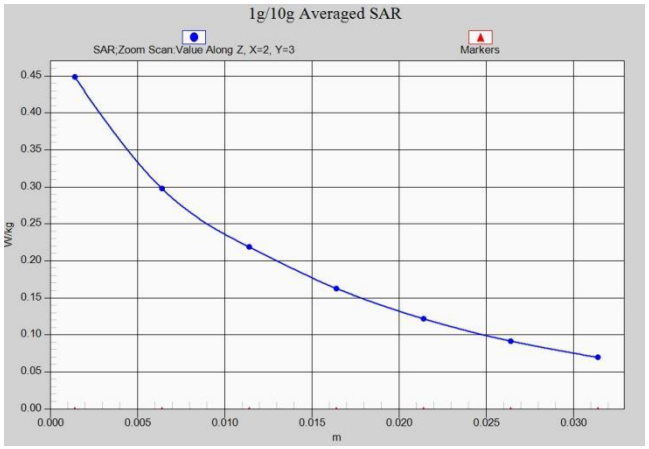

Fig. 1-16 Z-Scan at power reference point (LTE Band12)

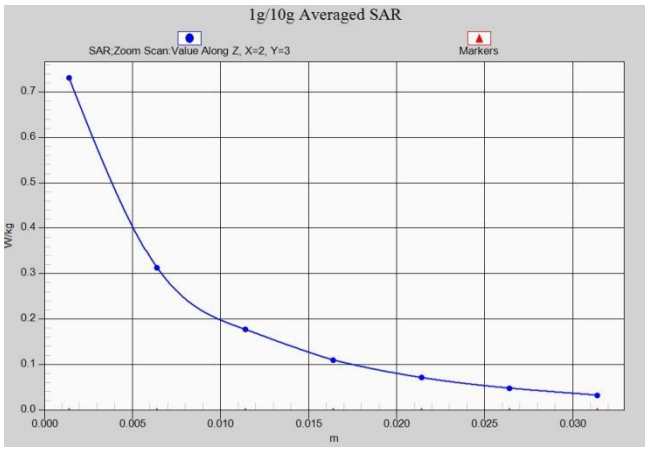

Fig. 1-17 Z-Scan at power reference point (LTE Band13)

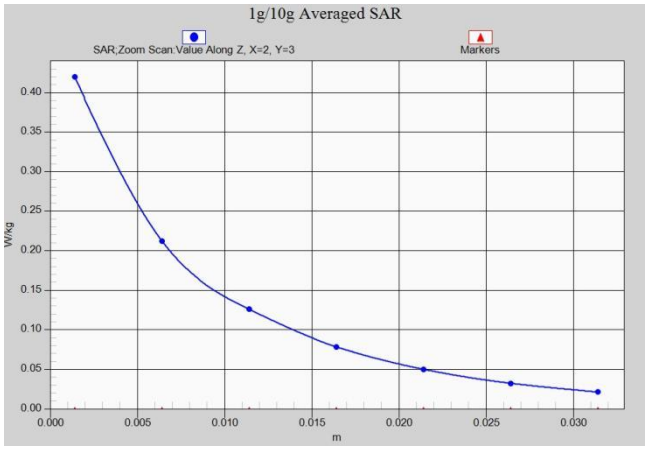

Fig. 1-18 Z-Scan at power reference point (LTE Band13)

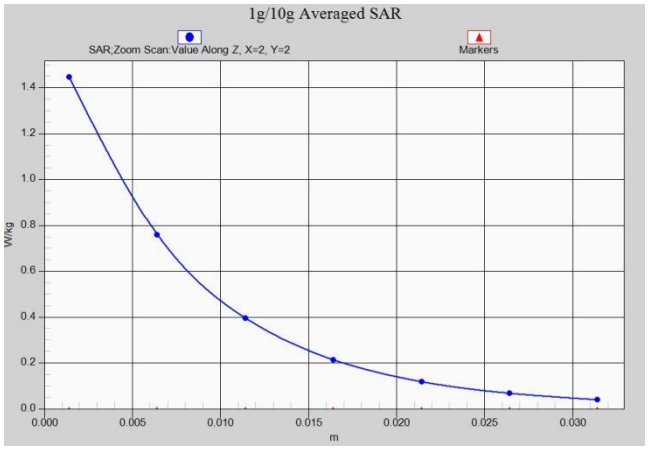

Fig. 1-19 Z-Scan at power reference point (LTE Band25)

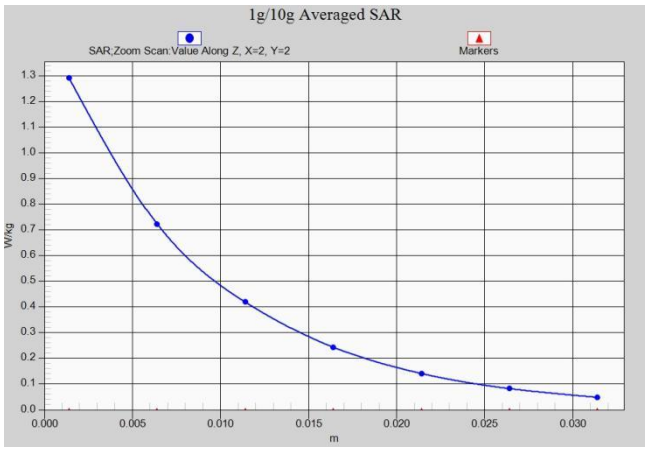

Fig. 1-20 Z-Scan at power reference point (LTE Band25)

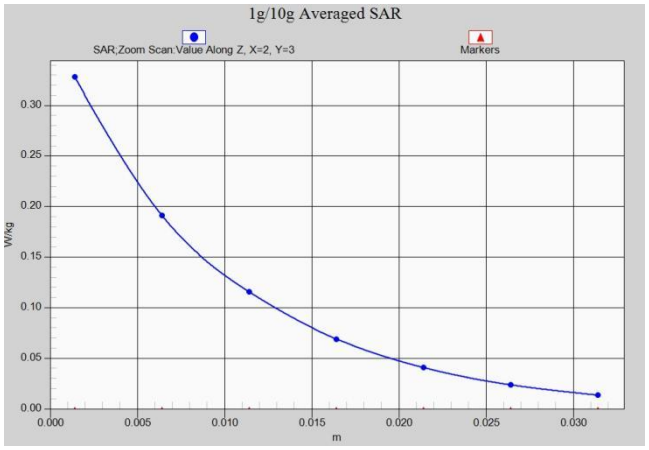

Fig. 1-21 Z-Scan at power reference point (LTE Band25)

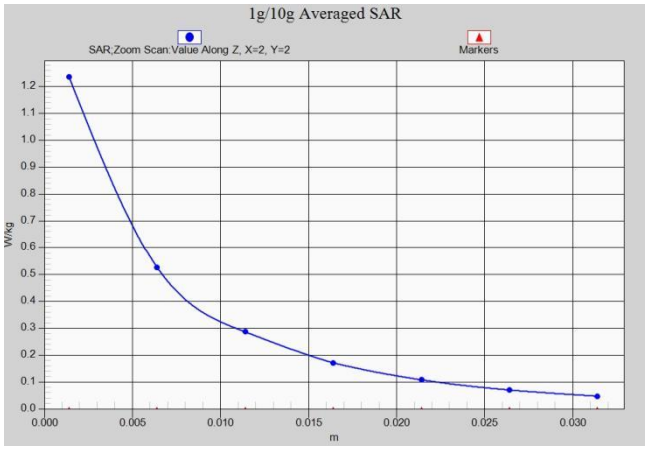

Fig. 1-22 Z-Scan at power reference point (LTE Band26)

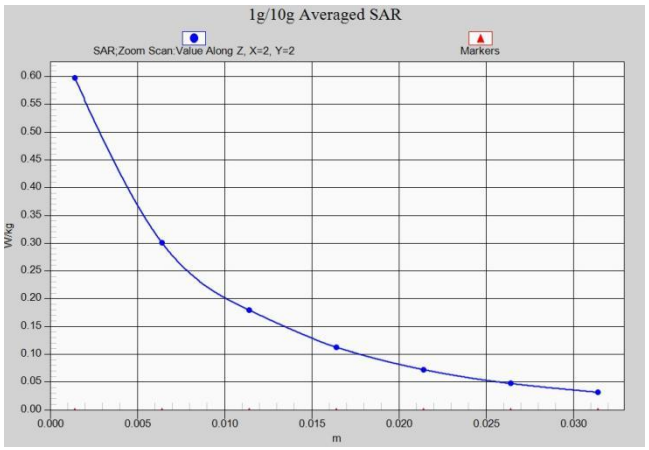

Fig. 1-23 Z-Scan at power reference point (LTE Band26)

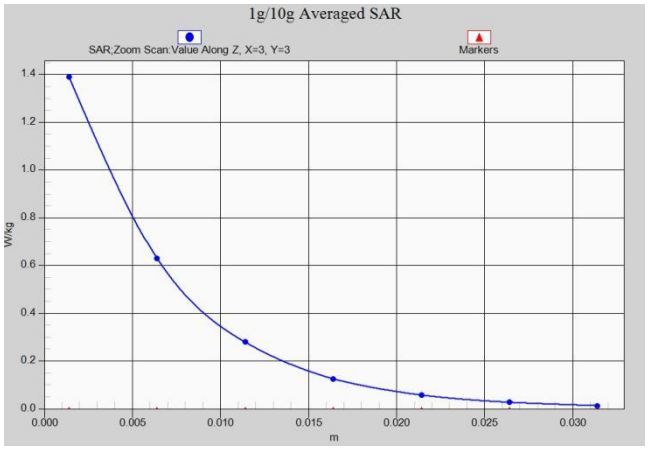

Fig. 1-24 Z-Scan at power reference point (LTE Band41)

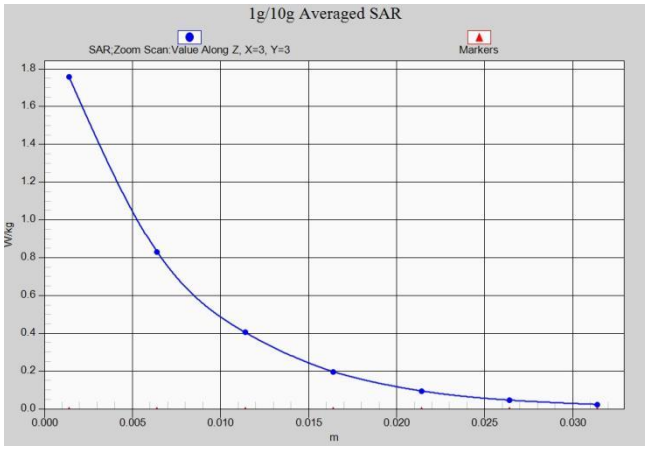

Fig. 1-25 Z-Scan at power reference point (LTE Band41)

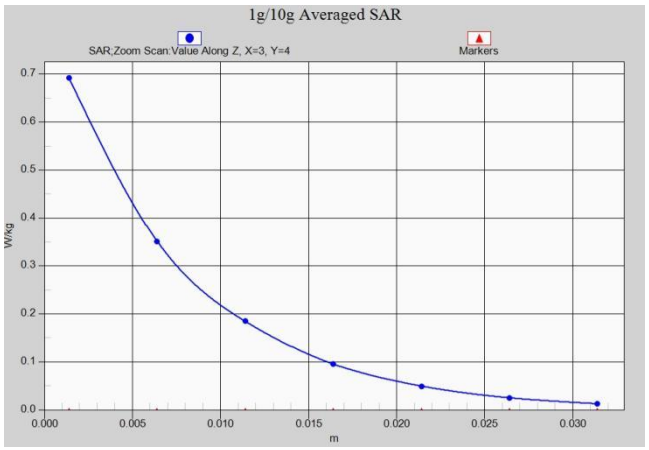

Fig. 1-26 Z-Scan at power reference point (LTE Band41)

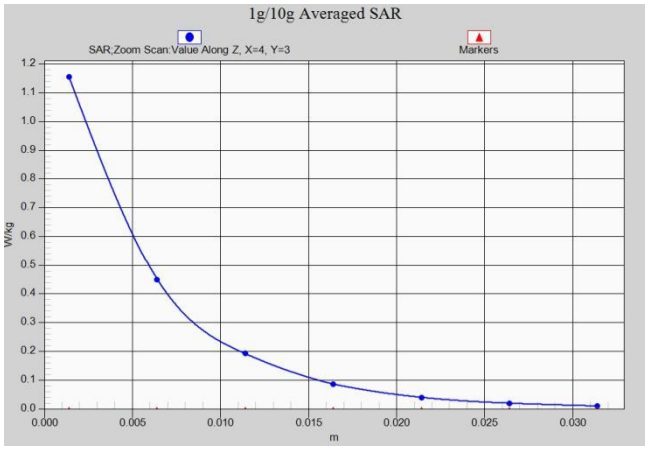

Fig. 1-27 Z-Scan at power reference point (LTE Band41)

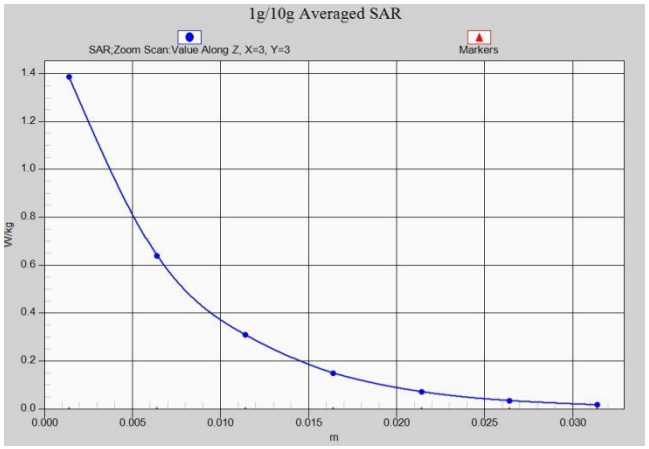

Fig. 1-28 Z-Scan at power reference point (LTE Band41)

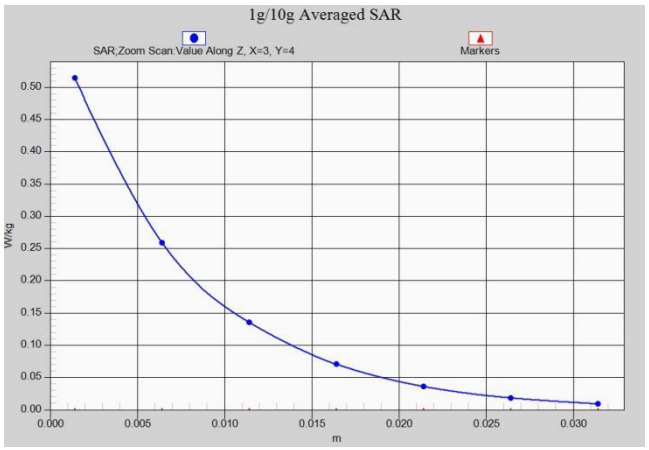

Fig. 1-29 Z-Scan at power reference point (LTE Band41)

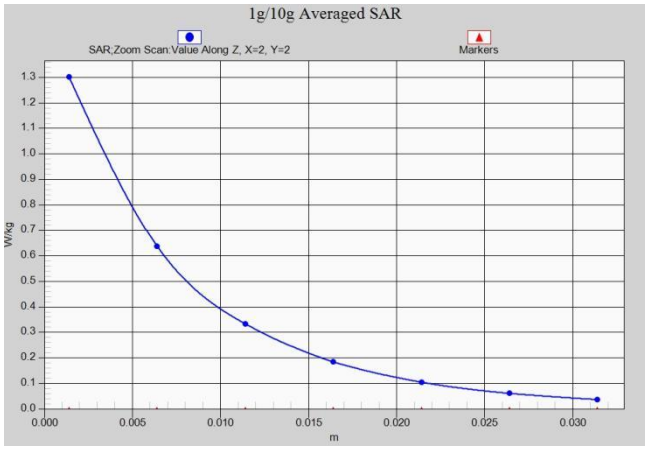

Fig. 1-30 Z-Scan at power reference point (LTE Band66)

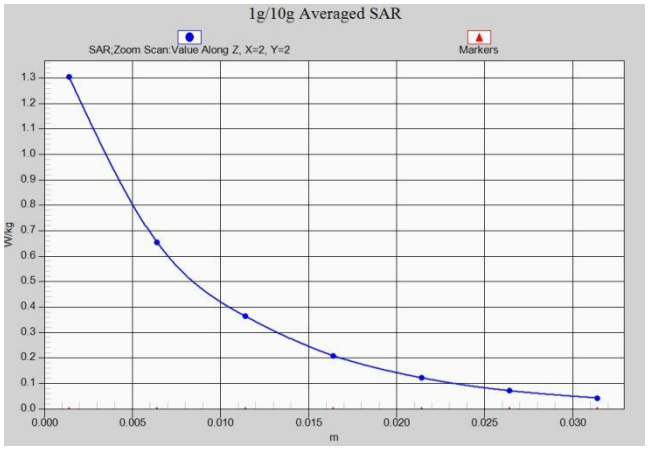

Fig. 1-31 Z-Scan at power reference point (LTE Band66)

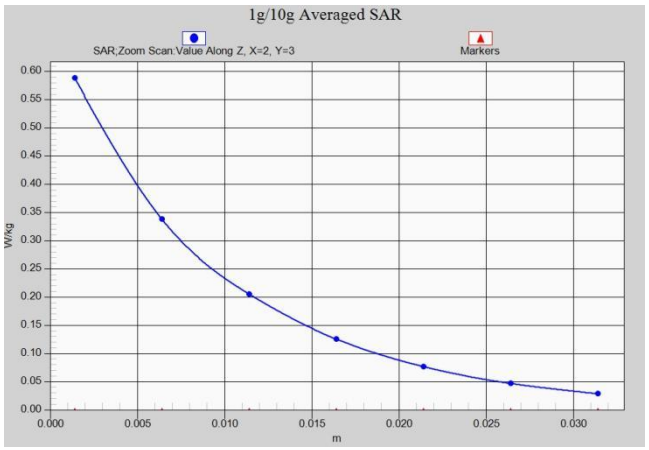

Fig. 1-32 Z-Scan at power reference point (LTE Band66)

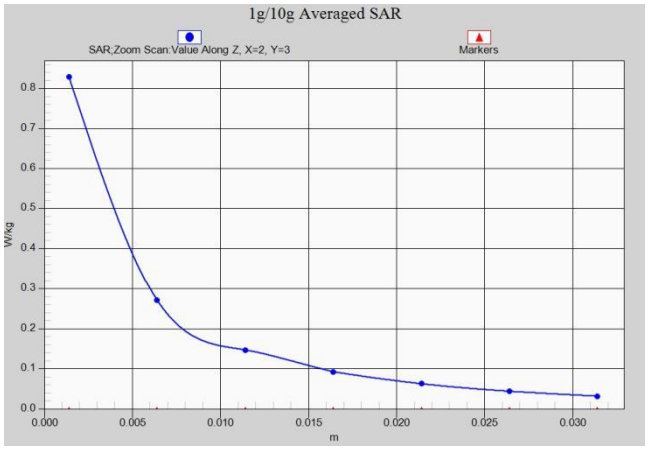

Fig. 1-33 Z-Scan at power reference point (LTE Band71)

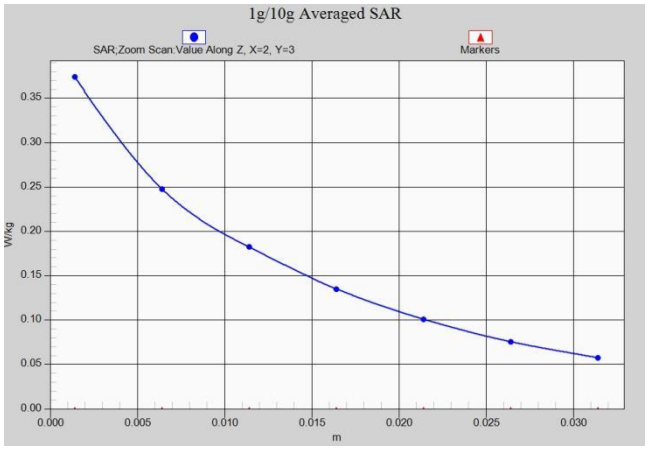

Fig. 1-34 Z-Scan at power reference point (LTE Band71)

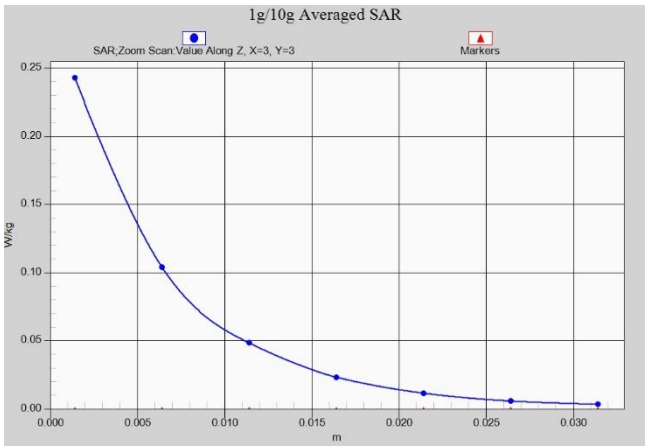

Fig. 1-35 Z-Scan at power reference point (wifi2450)

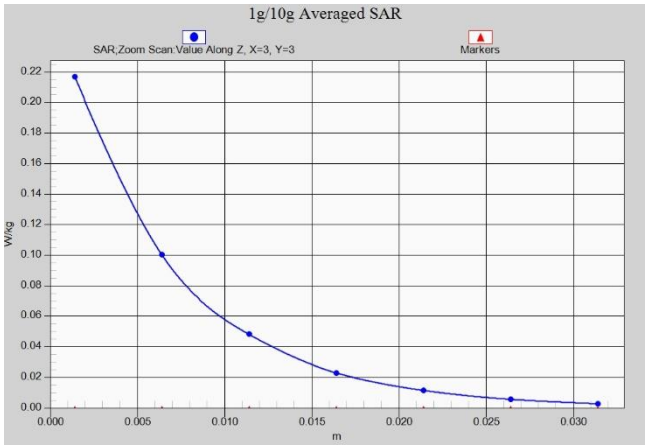

Fig. 1-36 Z-Scan at power reference point (wifi2450)

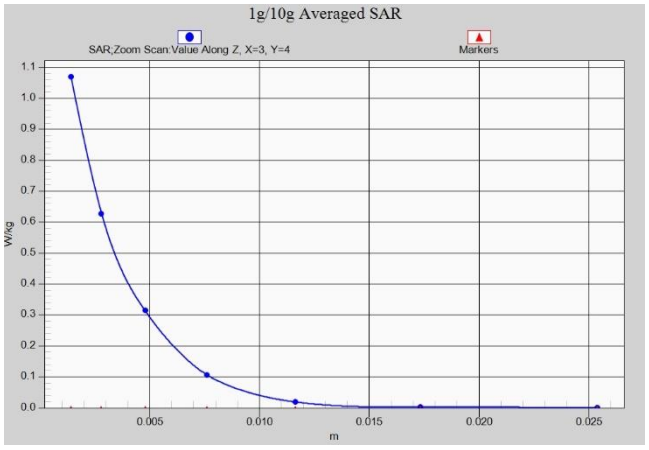

Fig. 1-37 Z-Scan at power reference point (wifi5G)

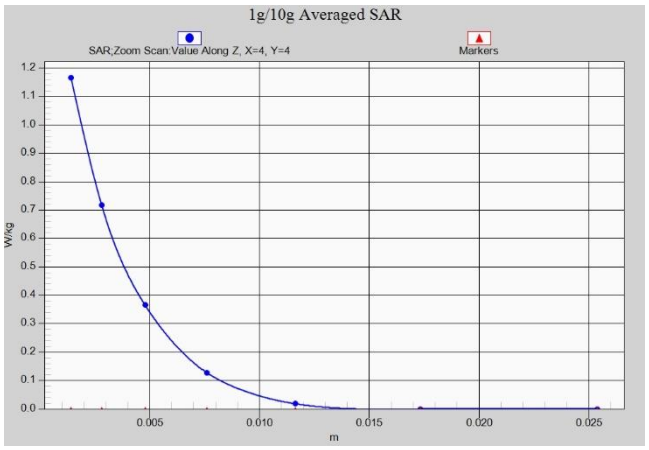

Fig. 1-38 Z-Scan at power reference point (wifi5G)

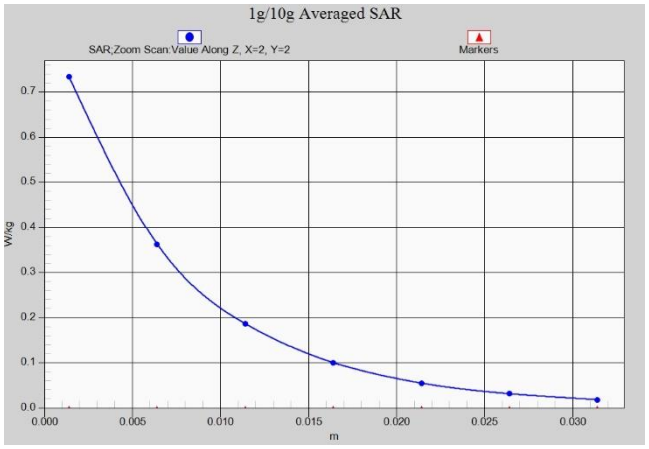

Fig. 1-39 Z-Scan at power reference point (n25)