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Appendix for the Report

Dosimetric Assessment of the Portable Device Selex Elsag S.p.A. PUMA T3 plus (FCC ID: X5Y774-0788NB)

According to the FCC Requirements SAR Distribution Plots

July 31, 2012

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Table of Contents

1	SAR DISTRIBUTION PLOTS, TETRA HEAD	3
2	SAR DISTRIBUTION PLOTS, TETRA HEAD, PTT CONFIGURATION.....	13
3	SAR DISTRIBUTION PLOTS, TETRA BODY	17
4	SAR Z-AXIS SCANS (VALIDATION)	21
5	SAR Z-AXIS SCANS (MEASUREMENTS).....	22

1 SAR Distribution Plots, TETRA, Head

Test Laboratory: Imst GmbH, DASY Yellow (II); File Name: [084_ytlim_1_group1.da4](#)

DUT: SELEX; Type: PUMA T3 Plus; Serial: 870084

Program Name: Cheek Left

Communication System: Tetra; Frequency: 809.013 MHz; Duty Cycle: 1:4

Medium parameters used (extrapolated): $f = 809.013$ MHz; $\sigma = 0.898$ mho/m; $\epsilon_r = 42.1$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6R - SN1579; ConvF(6.34, 6.34, 6.34); Calibrated: 25.01.2012
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn335; Calibrated: 20.02.2012
- Phantom: SAM Sugar 1341; Type: QD 000 P40 CB; Serial: TP-1341
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Cheek Left/Area Scan (7x18x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.22 mW/g

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

Reference Value = 37.7 V/m; Power Drift = 0.121 dB

Peak SAR (extrapolated) = 2.03 W/kg

SAR(1 g) = 1.28 mW/g; SAR(10 g) = 0.842 mW/g

Maximum value of SAR (measured) = 1.49 mW/g

Cheek Left/Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 37.7 V/m; Power Drift = 0.121 dB

Peak SAR (extrapolated) = 1.05 W/kg

SAR(1 g) = 0.838 mW/g; SAR(10 g) = 0.646 mW/g

Maximum value of SAR (measured) = 0.919 mW/g

Cheek Left/Zoom Scan (7x7x7)/Cube 2: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 37.7 V/m; Power Drift = 0.121 dB

Peak SAR (extrapolated) = 1.74 W/kg

SAR(1 g) = 0.927 mW/g; SAR(10 g) = 0.640 mW/g

Maximum value of SAR (measured) = 1.29 mW/g

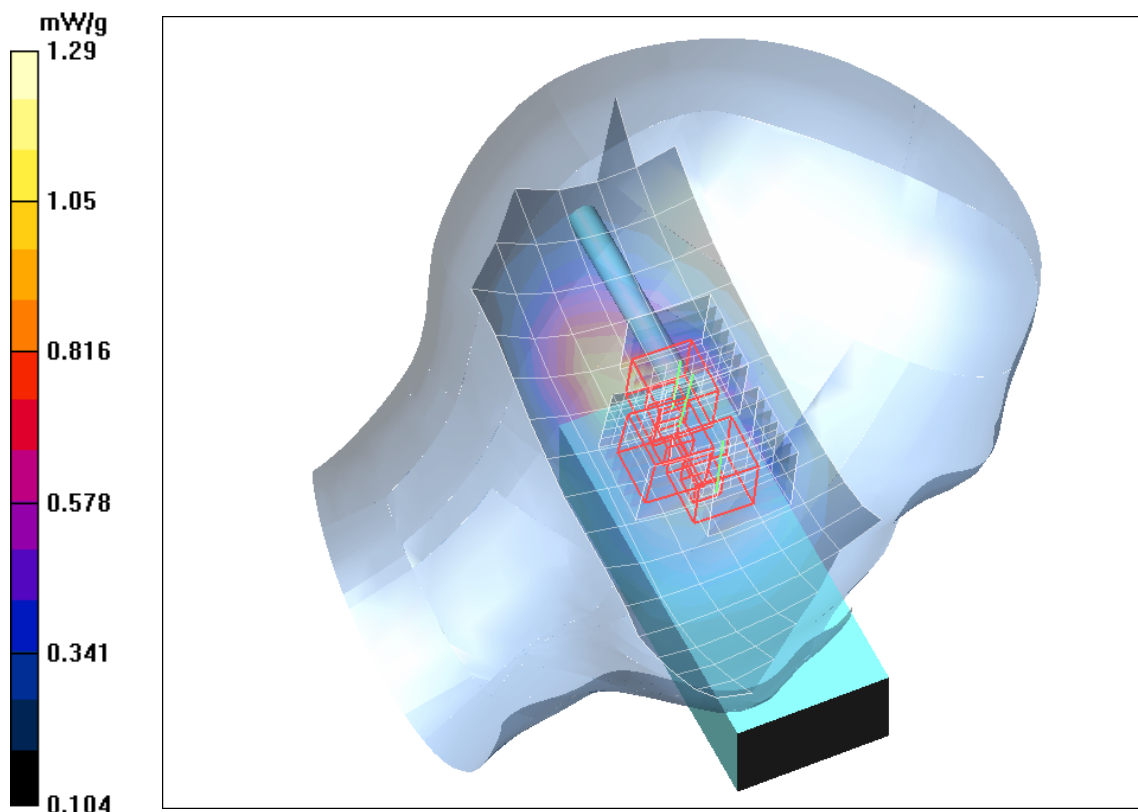


Fig. 1: SAR distribution for Tetra, 809.0125 MHz, cheek position, left side of head (July 24, 2012; Ambient Temperature: 22.8° C; Liquid Temperature: 22.5° C).

Test Laboratory: Imst GmbH, DASY Yellow (II); File Name: [084_ytlim_1_group3.da4](#)

DUT: SELEX; Type: PUMA T3 Plus; Serial: 870084

Program Name: Cheek Left

Communication System: Tetra; Frequency: 823.987 MHz; Duty Cycle: 1:4

Medium parameters used (extrapolated): $f = 823.987$ MHz; $\sigma = 0.91$ mho/m; $\epsilon_r = 42$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6R - SN1579; ConvF(6.34, 6.34, 6.34); Calibrated: 25.01.2012
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn335; Calibrated: 20.02.2012
- Phantom: SAM Sugar 1341; Type: QD 000 P40 CB; Serial: TP-1341
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Cheek Left/Area Scan (7x18x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 1.18 mW/g

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

Reference Value = 37.9 V/m; Power Drift = -0.138 dB

Peak SAR (extrapolated) = 2.01 W/kg

SAR(1 g) = 1.17 mW/g; SAR(10 g) = 0.786 mW/g

Maximum value of SAR (measured) = 1.34 mW/g

Cheek Left/Zoom Scan (7x7x7)/Cube 1: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 37.9 V/m; Power Drift = -0.138 dB

Peak SAR (extrapolated) = 1.04 W/kg

SAR(1 g) = 0.787 mW/g; SAR(10 g) = 0.621 mW/g

Maximum value of SAR (measured) = 0.876 mW/g

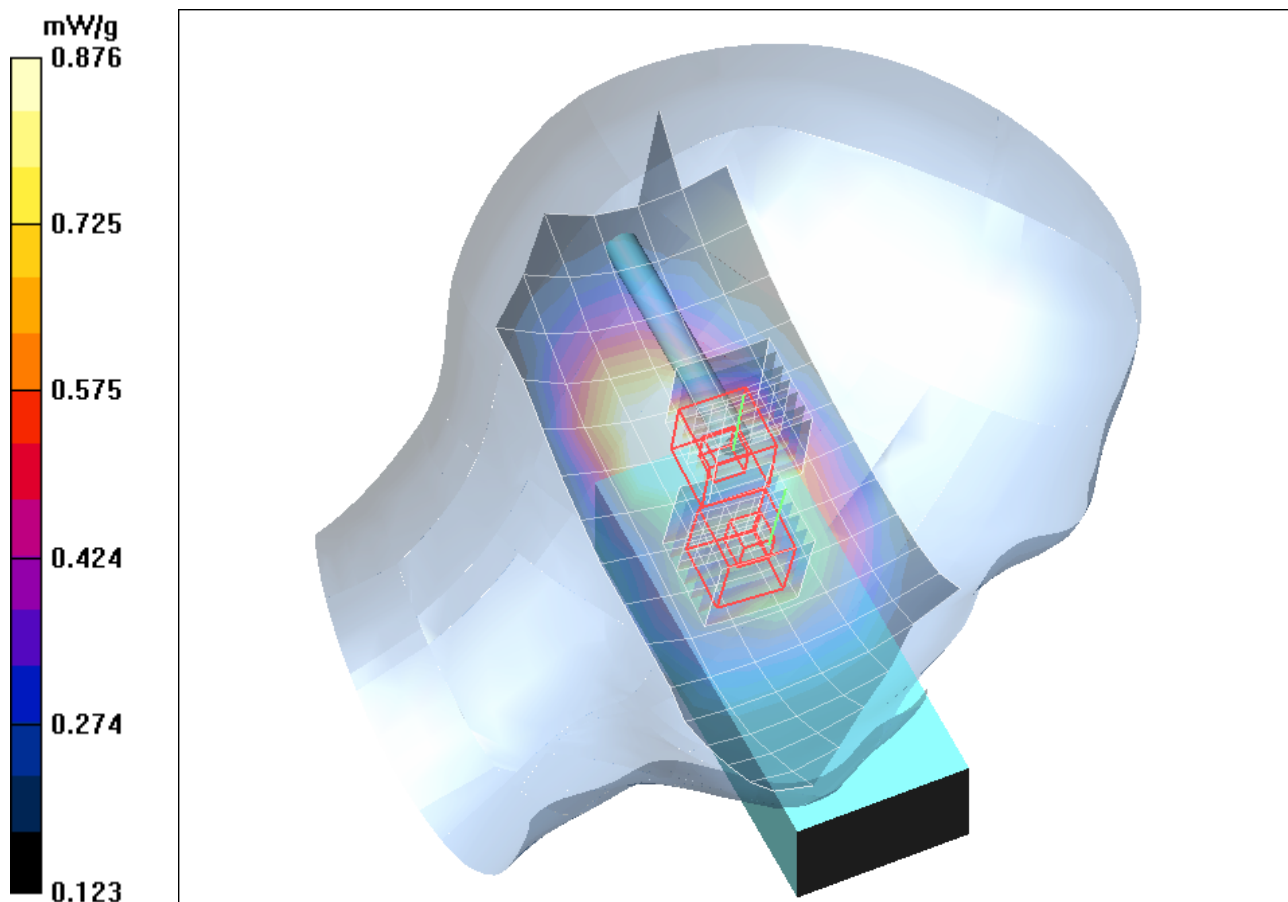


Fig. 2: SAR distribution for Tetra, 823.9875 MHz, cheek position, left side of head (July 24, 2012; Ambient Temperature: 22.8° C; Liquid Temperature: 22.5° C).

Test Laboratory: Imst GmbH, DASY Yellow (II); File Name: [084_ytlm_1_group4.da4](#)

DUT: SELEX; Type: PUMA T3 Plus; Serial: 870084

Program Name: Cheek Left

Communication System: Tetra; Frequency: 854.013 MHz; Duty Cycle: 1:4

Medium parameters used (extrapolated): $f = 854.013$ MHz; $\sigma = 0.934$ mho/m; $\epsilon_r = 41.8$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6R - SN1579; ConvF(6.34, 6.34, 6.34); Calibrated: 25.01.2012
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn335; Calibrated: 20.02.2012
- Phantom: SAM Sugar 1341; Type: QD 000 P40 CB; Serial: TP-1341
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Cheek Left/Area Scan (7x18x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 1.20 mW/g

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

Reference Value = 35.7 V/m; Power Drift = -0.101 dB

Peak SAR (extrapolated) = 2.09 W/kg

SAR(1 g) = 1.15 mW/g; SAR(10 g) = 0.768 mW/g

Maximum value of SAR (measured) = 1.26 mW/g

Cheek Left/Zoom Scan (7x7x7)/Cube 1: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 35.7 V/m; Power Drift = -0.101 dB

Peak SAR (extrapolated) = 0.985 W/kg

SAR(1 g) = 0.725 mW/g; SAR(10 g) = 0.567 mW/g

Maximum value of SAR (measured) = 0.821 mW/g

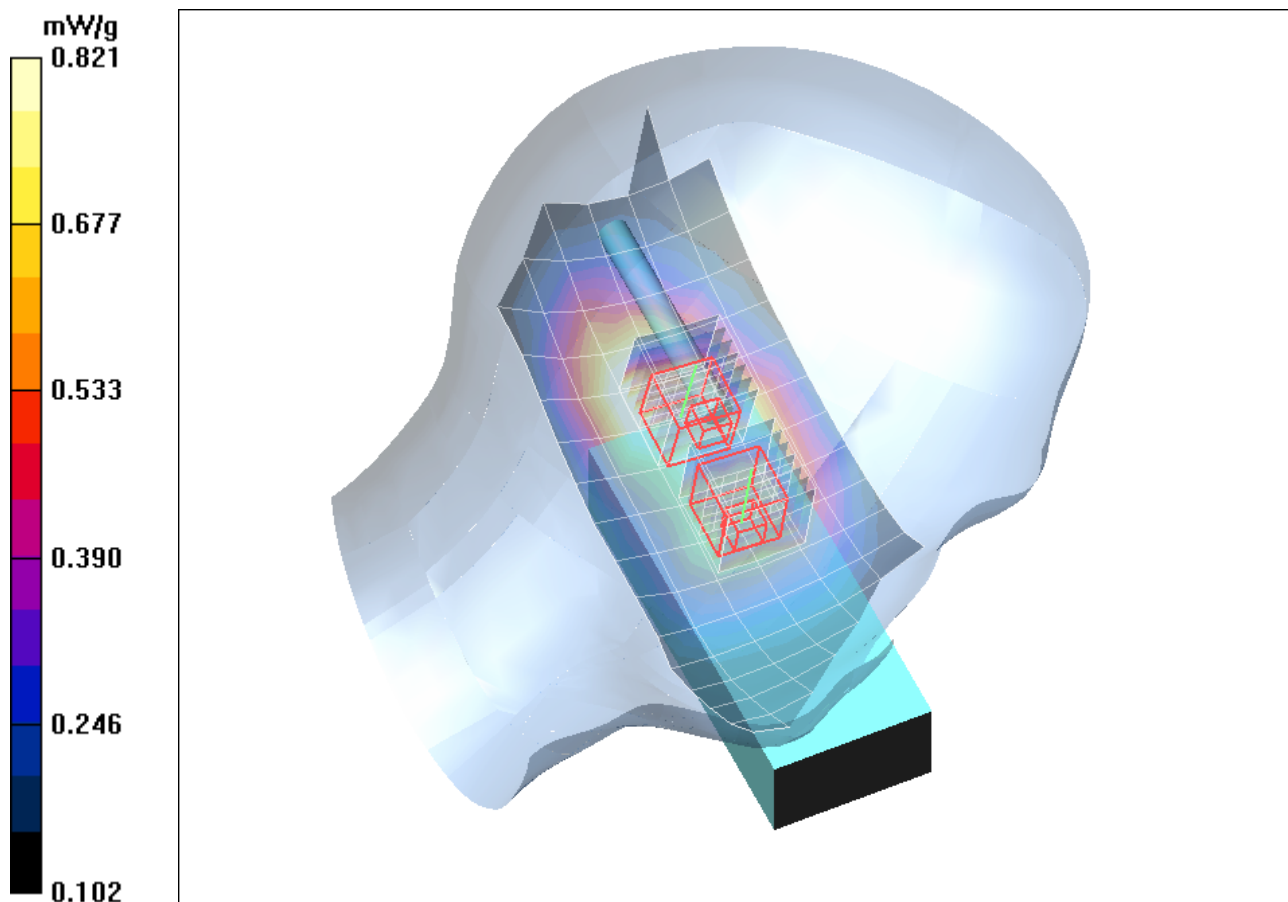


Fig. 3: SAR distribution for Tetra, 854.0125 MHz, cheek position, left side of head (July 24, 2012; Ambient Temperature: 22.8° C; Liquid Temperature: 22.5° C).

Test Laboratory: Imst GmbH, DASY Yellow (II); File Name: [084_ytlm_1_group6.da4](#)

DUT: SELEX; Type: PUMA T3 Plus; Serial: 870084

Program Name: Cheek Left

Communication System: Tetra; Frequency: 868.987 MHz; Duty Cycle: 1:4

Medium parameters used (extrapolated): $f = 868.987$ MHz; $\sigma = 0.946$ mho/m; $\epsilon_r = 41.6$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6R - SN1579; ConvF(6.34, 6.34, 6.34); Calibrated: 25.01.2012
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn335; Calibrated: 20.02.2012
- Phantom: SAM Sugar 1341; Type: QD 000 P40 CB; Serial: TP-1341
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Cheek Left/Area Scan (7x18x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.981 mW/g

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

Reference Value = 34.9 V/m; Power Drift = -0.120 dB

Peak SAR (extrapolated) = 1.72 W/kg

SAR(1 g) = 0.970 mW/g; SAR(10 g) = 0.642 mW/g

Maximum value of SAR (measured) = 1.09 mW/g

Cheek Left/Zoom Scan (7x7x7)/Cube 1: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 34.9 V/m; Power Drift = -0.120 dB

Peak SAR (extrapolated) = 0.888 W/kg

SAR(1 g) = 0.704 mW/g; SAR(10 g) = 0.532 mW/g

Maximum value of SAR (measured) = 0.772 mW/g

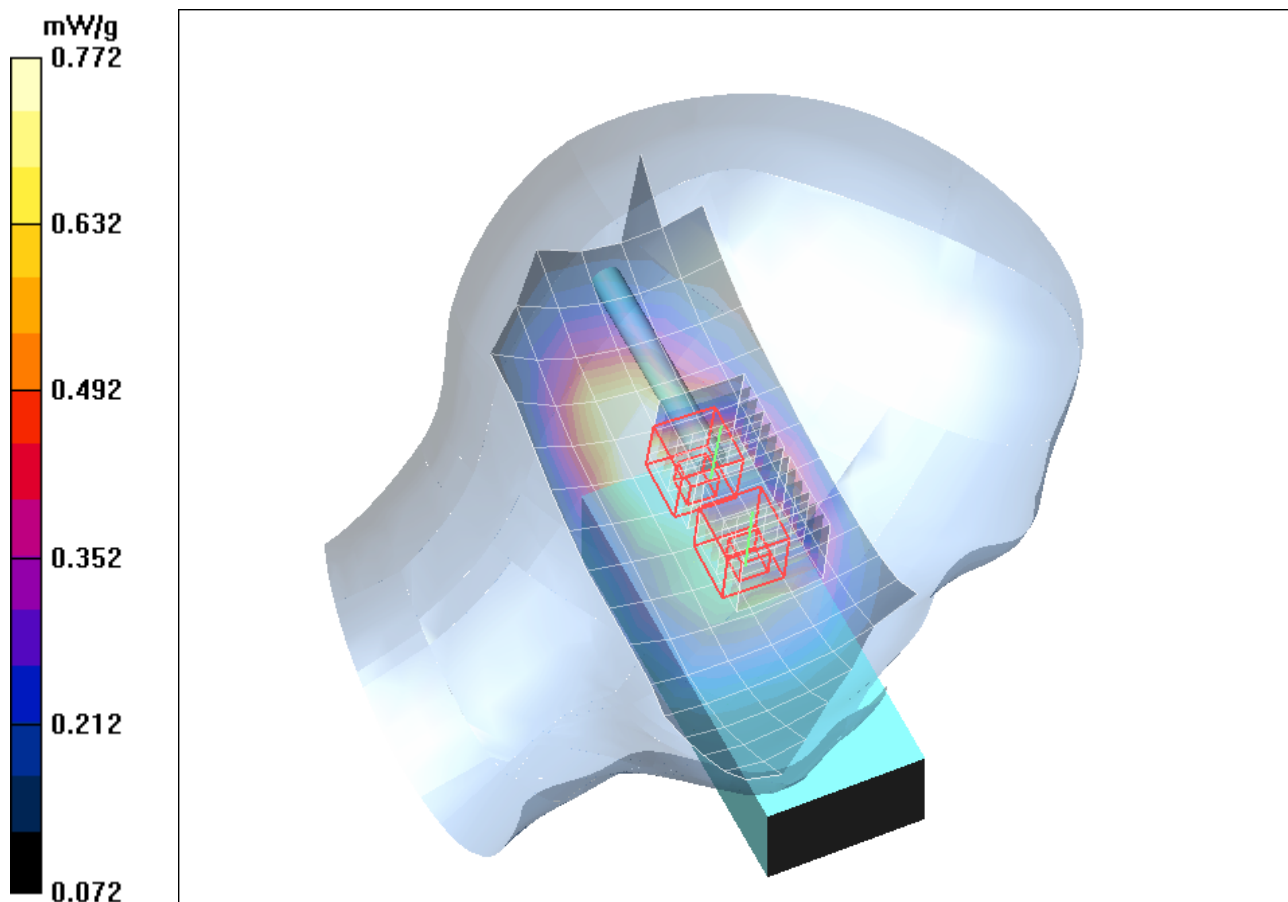


Fig. 4: SAR distribution for Tetra, 868.9875 MHz, cheek position, left side of head (July 24, 2012; Ambient Temperature: 22.8° C; Liquid Temperature: 22.5° C).

Test Laboratory: Imst GmbH, DASY Yellow (II); File Name: [084_yt1m_2_group1.da4](#)

DUT: SELEX; Type: PUMA T3 Plus; Serial: 870084

Program Name: Tilted Left

Communication System: Tetra; Frequency: 809.013 MHz; Duty Cycle: 1:4

Medium parameters used (extrapolated): $f = 809.013$ MHz; $\sigma = 0.898$ mho/m; $\epsilon_r = 42.1$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6R - SN1579; ConvF(6.34, 6.34, 6.34); Calibrated: 25.01.2012
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn335; Calibrated: 20.02.2012
- Phantom: SAM Sugar 1341; Type: QD 000 P40 CB; Serial: TP-1341
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Tilted Left/Area Scan (7x18x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 2.13 mW/g

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

Reference Value = 44.4 V/m; Power Drift = -0.170 dB

Peak SAR (extrapolated) = 4.27 W/kg

SAR(1 g) = 1.94 mW/g; SAR(10 g) = 1.2 mW/g

Maximum value of SAR (measured) = 2.24 mW/g

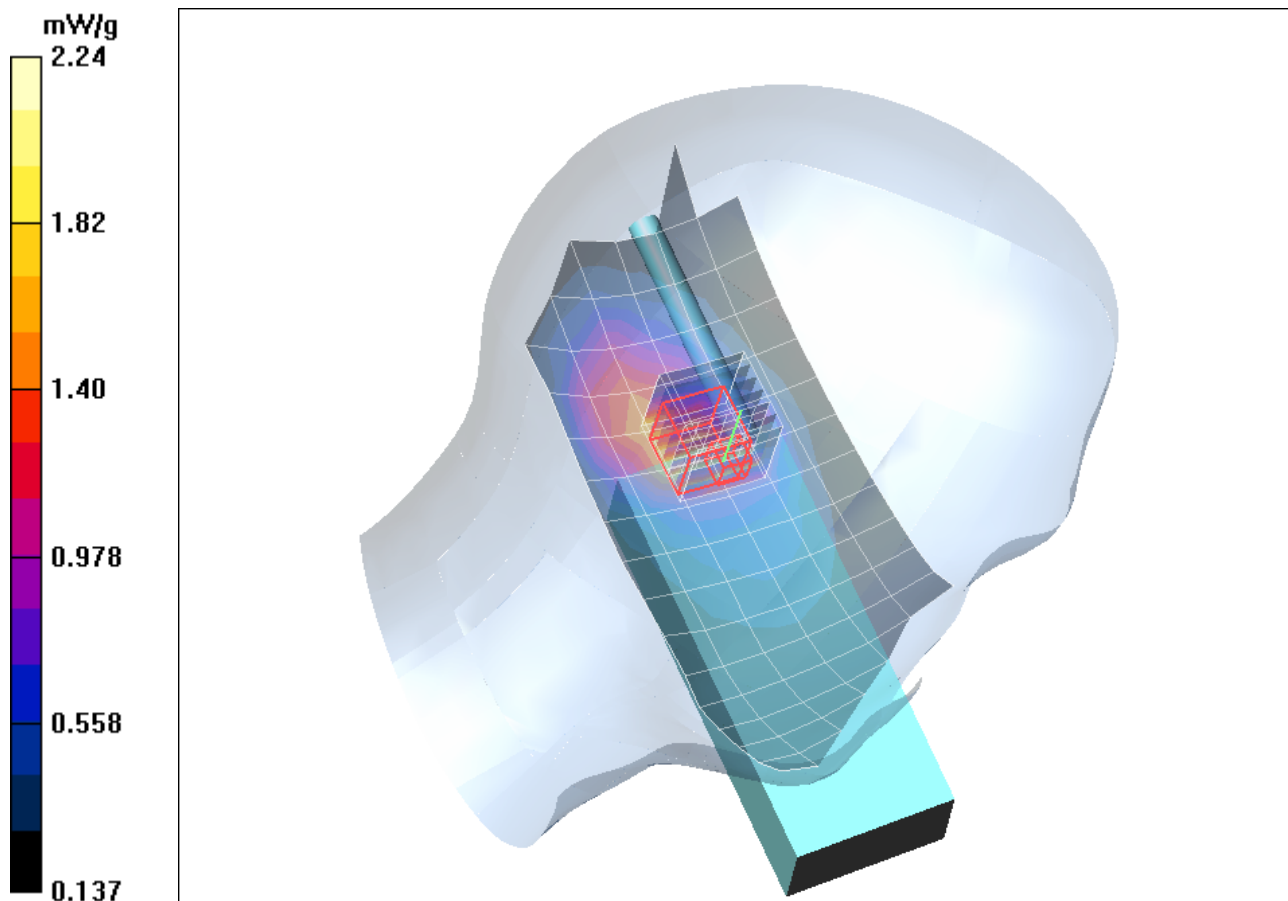


Fig. 5: SAR distribution for Tetra, 809.0125 MHz, tilted position, left side of head (July 24, 2012; Ambient Temperature: 22.8° C; Liquid Temperature: 22.5° C).

Test Laboratory: Imst GmbH, DASY Yellow (II); File Name: [084_ytrm_1_group1.da4](#)

DUT: SELEX; Type: PUMA T3 Plus; Serial: 870084

Program Name: Cheek Right

Communication System: Tetra; Frequency: 809.013 MHz; Duty Cycle: 1:4

Medium parameters used (extrapolated): $f = 809.013$ MHz; $\sigma = 0.898$ mho/m; $\epsilon_r = 42.1$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6R - SN1579; ConvF(6.34, 6.34, 6.34); Calibrated: 25.01.2012
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn335; Calibrated: 20.02.2012
- Phantom: SAM Sugar 1341; Type: QD 000 P40 CB; Serial: TP-1341
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Cheek Right/Area Scan (7x18x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 1.32 mW/g

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

Reference Value = 36.4 V/m; Power Drift = -0.143 dB

Peak SAR (extrapolated) = 2.57 W/kg

SAR(1 g) = 1.42 mW/g; SAR(10 g) = 0.891 mW/g

Maximum value of SAR (measured) = 1.57 mW/g

Cheek Right/Zoom Scan (7x7x7)/Cube 1: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 36.4 V/m; Power Drift = -0.143 dB

Peak SAR (extrapolated) = 1.21 W/kg

SAR(1 g) = 0.901 mW/g; SAR(10 g) = 0.683 mW/g

Maximum value of SAR (measured) = 0.999 mW/g

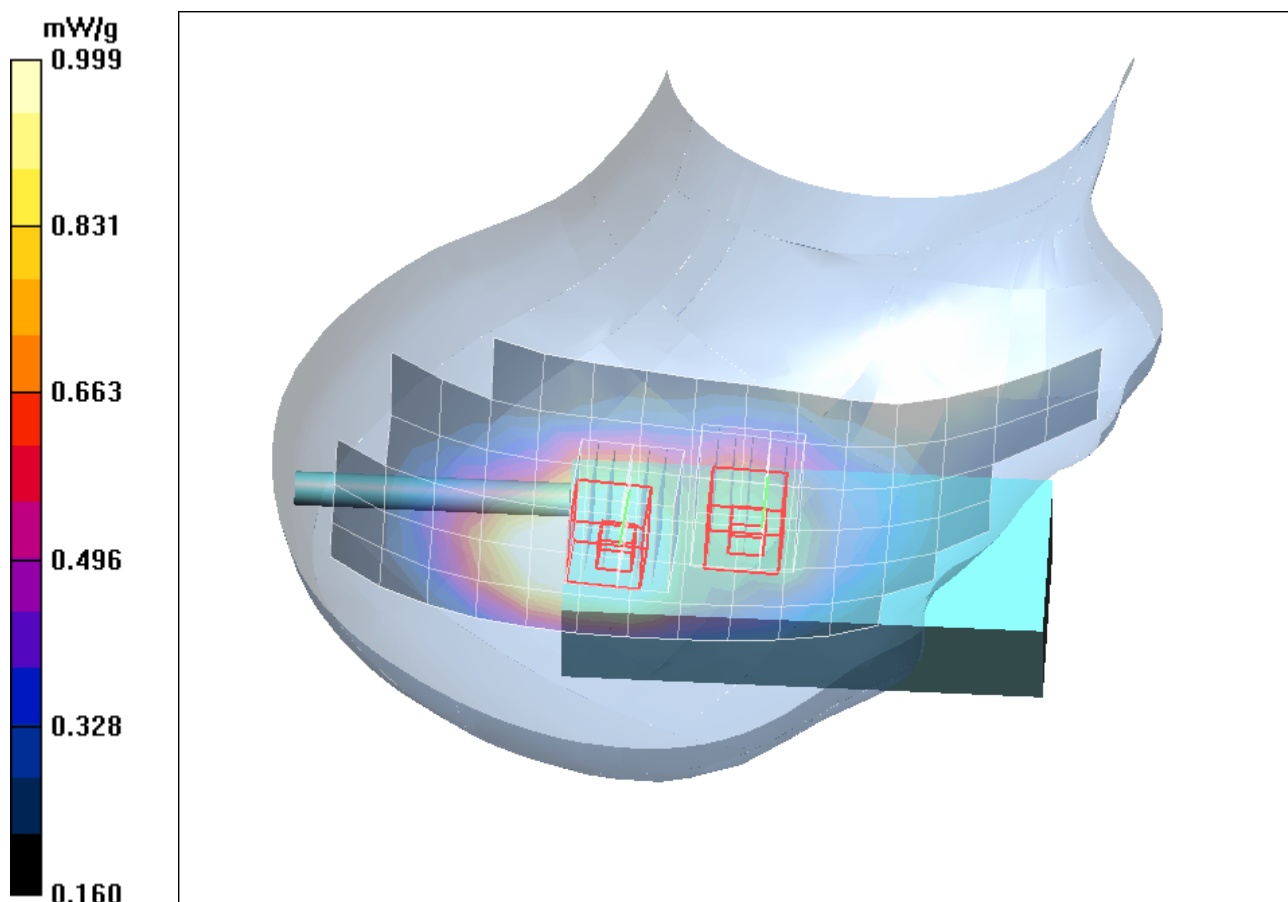


Fig. 6: SAR distribution for Tetra, 809.0125 MHz, cheek position, right side of head (July 24, 2012; Ambient Temperature: 22.8° C; Liquid Temperature: 22.5° C).

Test Laboratory: Imst GmbH, DASY Yellow (II); File Name: [084_ytrm_1_group3.da4](#)

DUT: SELEX; Type: PUMA T3 Plus; Serial: 870084

Program Name: Cheek Right

Communication System: Tetra; Frequency: 823.987 MHz; Duty Cycle: 1:4

Medium parameters used (extrapolated): $f = 823.987$ MHz; $\sigma = 0.91$ mho/m; $\epsilon_r = 42$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6R - SN1579; ConvF(6.34, 6.34, 6.34); Calibrated: 25.01.2012
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn335; Calibrated: 20.02.2012
- Phantom: SAM Sugar 1341; Type: QD 000 P40 CB; Serial: TP-1341
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Cheek Right/Area Scan (7x18x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 1.51 mW/g

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

Reference Value = 36.3 V/m; Power Drift = 0.005 dB

Peak SAR (extrapolated) = 2.09 W/kg

SAR(1 g) = 1.27 mW/g; SAR(10 g) = 0.812 mW/g

Maximum value of SAR (measured) = 1.37 mW/g

Cheek Right/Zoom Scan (7x7x7)/Cube 1: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 36.3 V/m; Power Drift = 0.005 dB

Peak SAR (extrapolated) = 1.01 W/kg

SAR(1 g) = 0.754 mW/g; SAR(10 g) = 0.575 mW/g

Maximum value of SAR (measured) = 0.848 mW/g

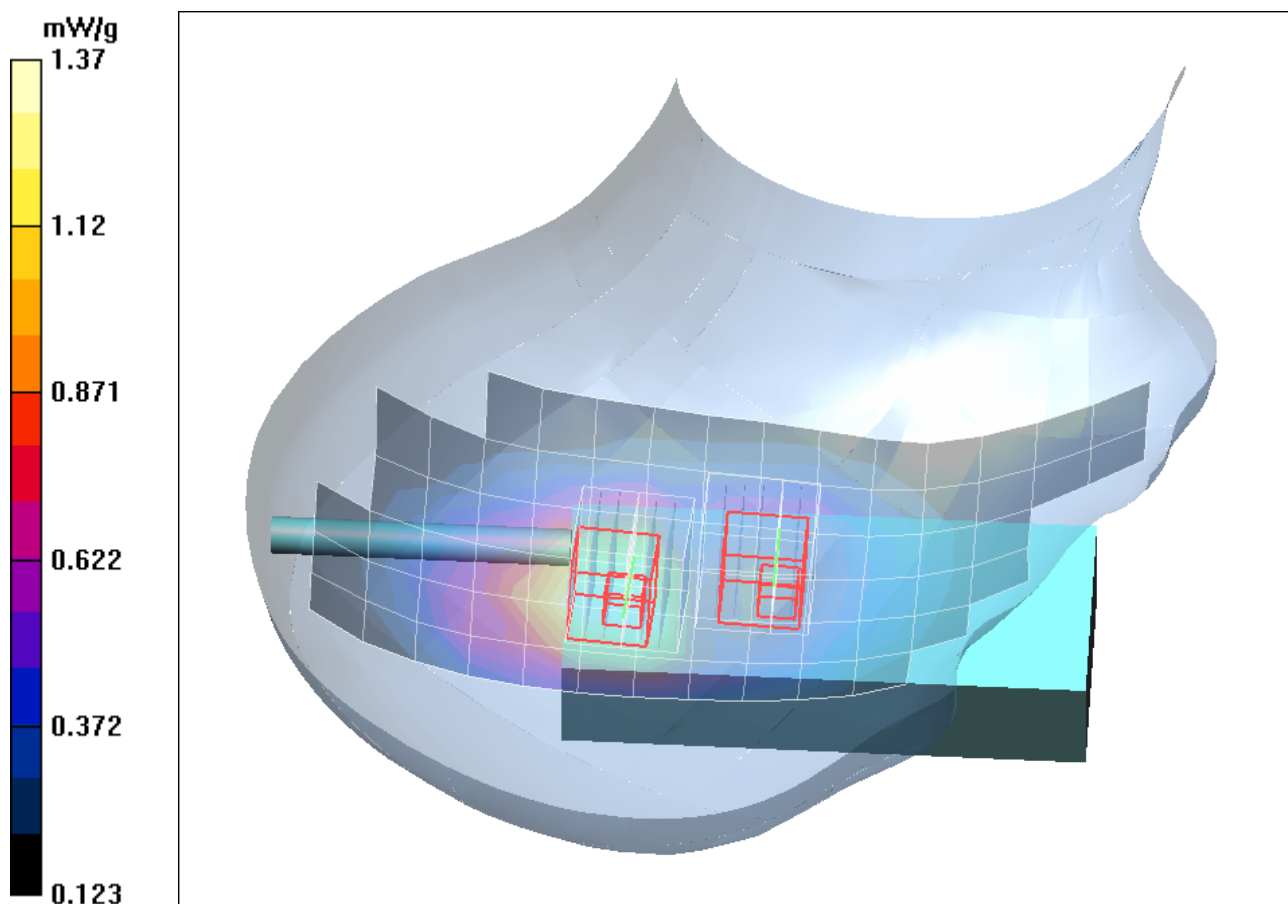


Fig. 7: SAR distribution for Tetra, 823.9875 MHz, cheek position, right side of head (July 24, 2012; Ambient Temperature: 22.8° C; Liquid Temperature: 22.5° C).

Test Laboratory: Imst GmbH, DASY Yellow (II); File Name: [084_ytrm_1_group4.da4](#)

DUT: SELEX; Type: PUMA T3 Plus; Serial: 870084

Program Name: Cheek Right

Communication System: Tetra; Frequency: 854.013 MHz; Duty Cycle: 1:4

Medium parameters used (extrapolated): $f = 854.013$ MHz; $\sigma = 0.934$ mho/m; $\epsilon_r = 41.8$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6R - SN1579; ConvF(6.34, 6.34, 6.34); Calibrated: 25.01.2012
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn335; Calibrated: 20.02.2012
- Phantom: SAM Sugar 1341; Type: QD 000 P40 CB; Serial: TP-1341
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Cheek Right/Area Scan (7x18x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 1.34 mW/g

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

Reference Value = 37.8 V/m; Power Drift = -0.122 dB

Peak SAR (extrapolated) = 2.11 W/kg

SAR(1 g) = 1.2 mW/g; SAR(10 g) = 0.816 mW/g

Maximum value of SAR (measured) = 1.37 mW/g

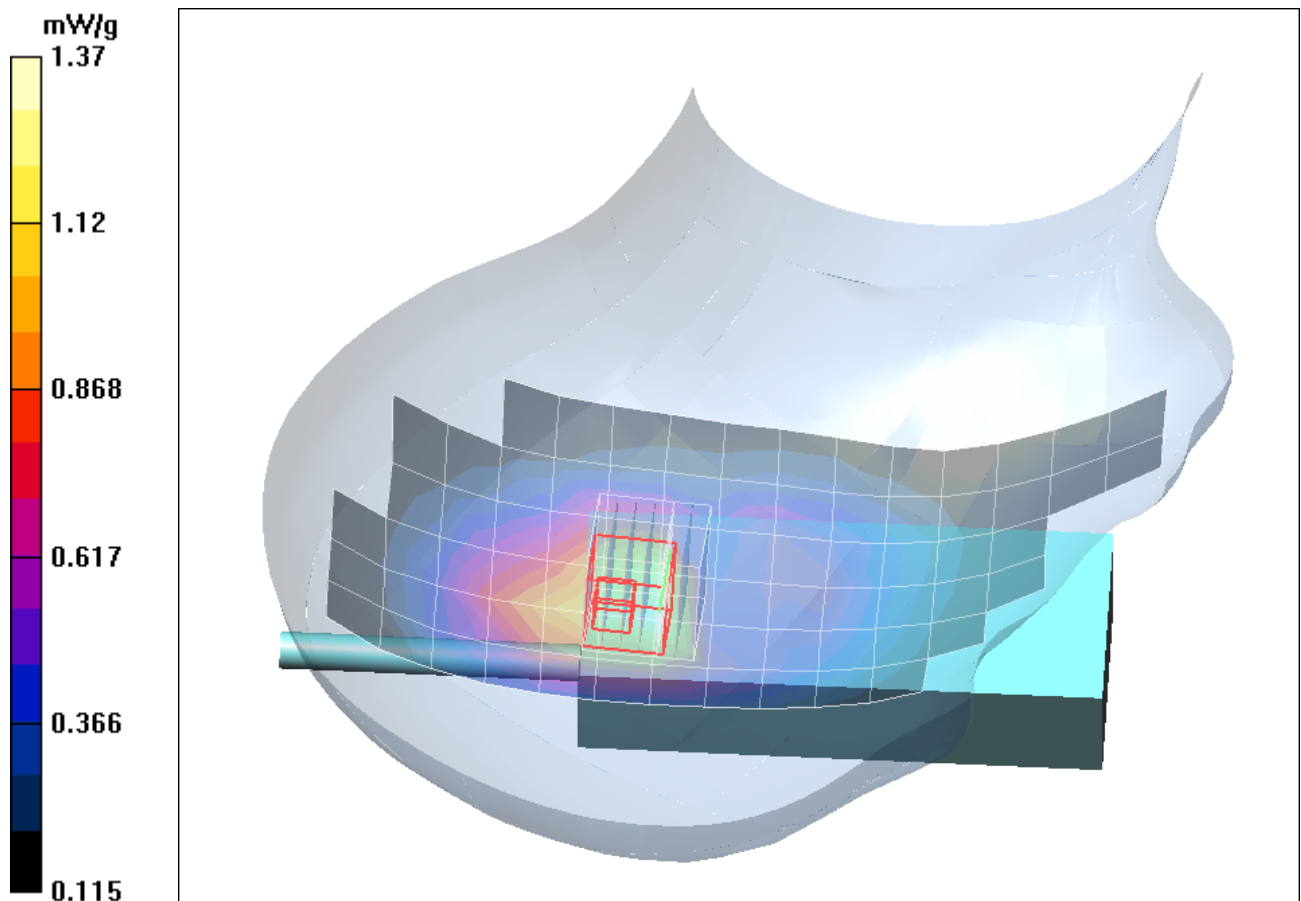


Fig. 8: SAR distribution for Tetra, 854.0125 MHz, cheek position, right side of head (July 24, 2012; Ambient Temperature: 22.8° C; Liquid Temperature: 22.5° C).

Test Laboratory: Imst GmbH, DASY Yellow (II); File Name: [084_ytrm_1_group6.da4](#)

DUT: SELEX; Type: PUMA T3 Plus; Serial: 870084

Program Name: Cheek Right

Communication System: Tetra; Frequency: 868.987 MHz; Duty Cycle: 1:4

Medium parameters used (extrapolated): $f = 868.987$ MHz; $\sigma = 0.946$ mho/m; $\epsilon_r = 41.6$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6R - SN1579; ConvF(6.34, 6.34, 6.34); Calibrated: 25.01.2012
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn335; Calibrated: 20.02.2012
- Phantom: SAM Sugar 1341; Type: QD 000 P40 CB; Serial: TP-1341
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Cheek Right/Area Scan (7x18x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 1.33 mW/g

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

Reference Value = 35.0 V/m; Power Drift = -0.170 dB

Peak SAR (extrapolated) = 2.14 W/kg

SAR(1 g) = 1.23 mW/g; SAR(10 g) = 0.798 mW/g

Maximum value of SAR (measured) = 1.42 mW/g

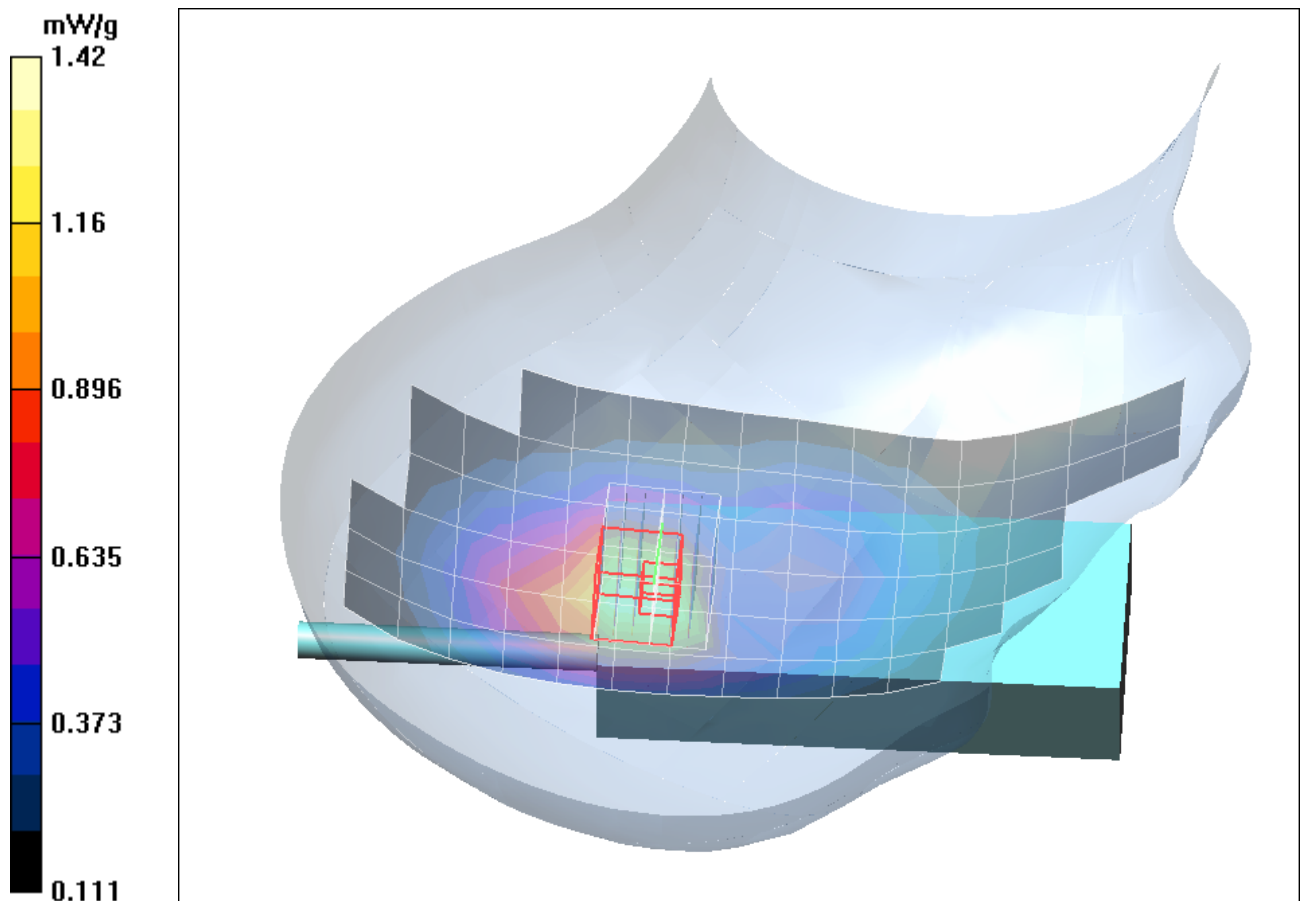


Fig. 9: SAR distribution for Tetra, 868.9875 MHz, cheek position, right side of head (July 24, 2012; Ambient Temperature: 22.8° C; Liquid Temperature: 22.5° C).

Test Laboratory: Imst GmbH, DASY Yellow (II); File Name: [084_ytrm_2_group1.da4](#)

DUT: SELEX; Type: PUMA T3 Plus; Serial: 870084

Program Name: TETRA

Communication System: Tetra; Frequency: 809.013 MHz; Duty Cycle: 1:4

Medium parameters used (extrapolated): $f = 809.013$ MHz; $\sigma = 0.898$ mho/m; $\epsilon_r = 42.1$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6R - SN1579; ConvF(6.34, 6.34, 6.34); Calibrated: 25.01.2012
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn335; Calibrated: 20.02.2012
- Phantom: SAM Sugar 1341; Type: QD 000 P40 CB; Serial: TP-1341
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Tilted Right/Area Scan (7x18x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 2.30 mW/g

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

Reference Value = 43.1 V/m; Power Drift = -0.113 dB

Peak SAR (extrapolated) = 3.90 W/kg

SAR(1 g) = 2.16 mW/g; SAR(10 g) = 1.35 mW/g

Maximum value of SAR (measured) = 2.45 mW/g

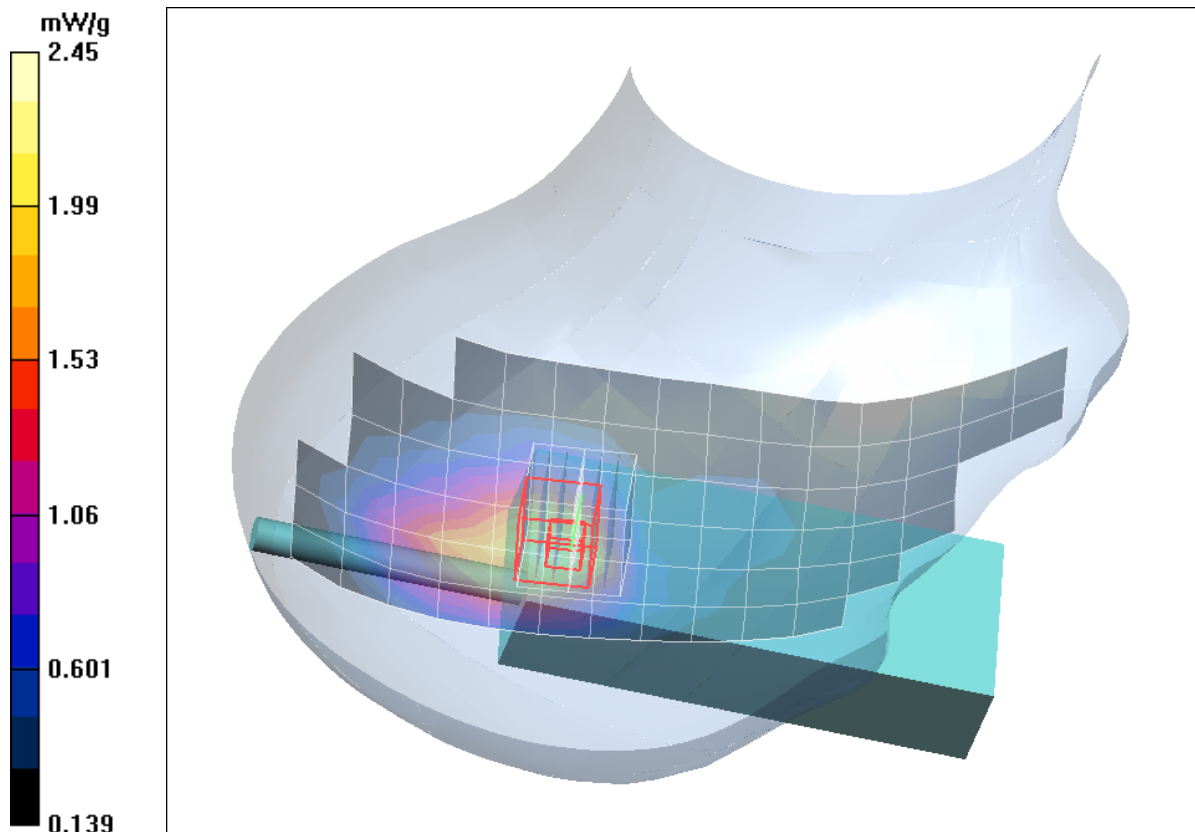


Fig. 10: SAR distribution for Tetra, 809.0125 MHz, tilted position, right side of head (July 24, 2012; Ambient Temperature: 22.8° C; Liquid Temperature: 22.5° C).

2 SAR Distribution Plots, TETRA, PTT Configuration

Test Laboratory: Imst GmbH, DASY Yellow (II); File Name: [084_ytptt_1_group1.da4](#)

DUT: SELEX; Type: PUMA T3 Plus; Serial: 870084

Program Name: PTT

Communication System: Tetra; Frequency: 809.013 MHz; Duty Cycle: 1:4

Medium parameters used (extrapolated): $f = 809.013$ MHz; $\sigma = 0.898$ mho/m; $\epsilon_r = 42.1$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6R - SN1579; ConvF(6.34, 6.34, 6.34); Calibrated: 25.01.2012
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn335; Calibrated: 20.02.2012
- Phantom: SAM Sugar 1341; Type: QD 000 P40 CB; Serial: TP-1341
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

PTT/Area Scan (8x18x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.514 mW/g

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

Reference Value = 18.9 V/m; Power Drift = -0.076 dB

Peak SAR (extrapolated) = 0.647 W/kg

SAR(1 g) = 0.493 mW/g; SAR(10 g) = 0.365 mW/g

Maximum value of SAR (measured) = 0.529 mW/g

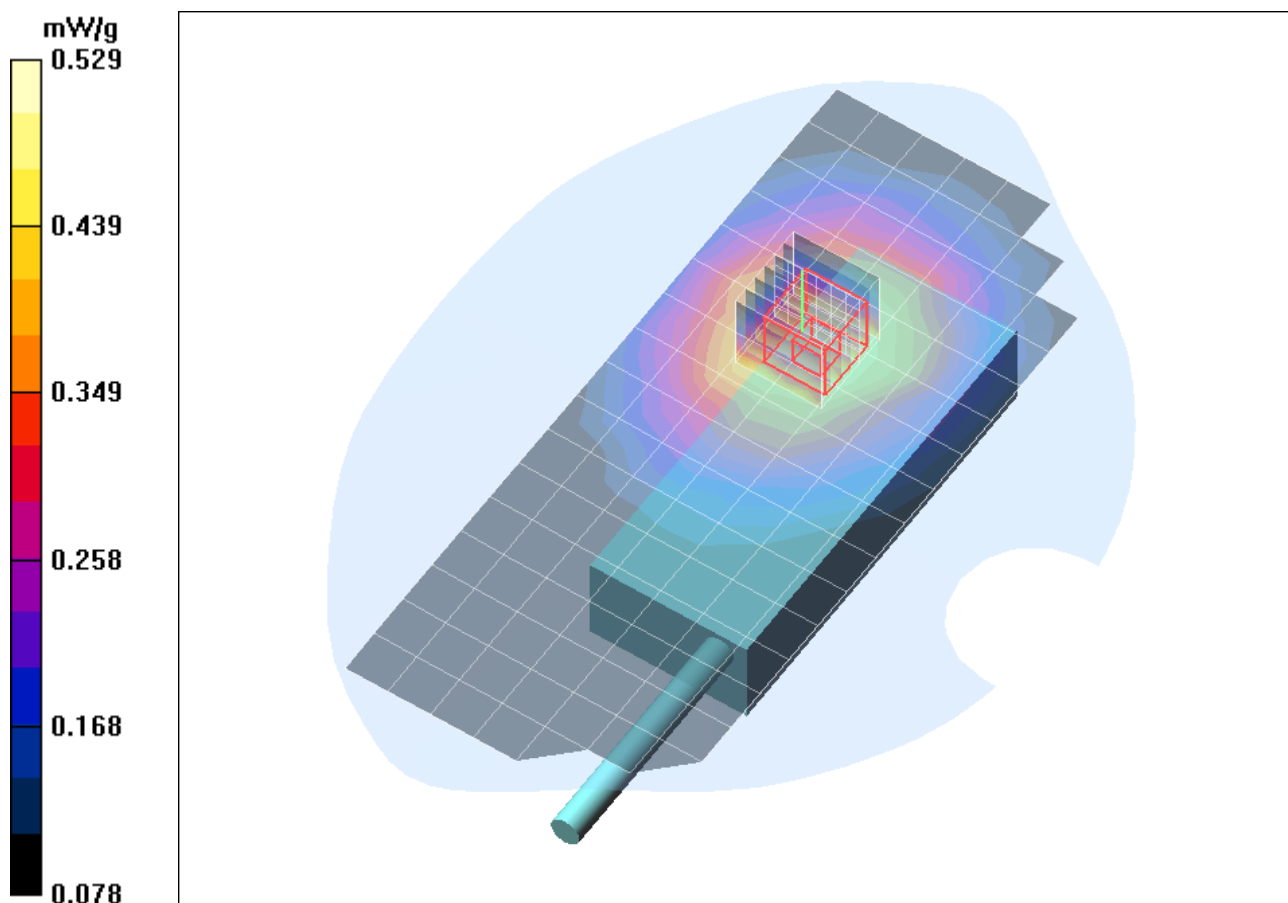


Fig. 11: SAR distribution for Tetra, 809.0125 MHz, PTT (July 24, 2012; Ambient Temperature: 22.8° C; Liquid Temperature: 22.5° C).

Test Laboratory: Imst GmbH, DASY Yellow (II); File Name: [084_ytptt_1_group3.da4](#)

DUT: SELEX; Type: PUMA T3 Plus; Serial: 870084

Program Name: PTT

Communication System: Tetra; Frequency: 823.987 MHz; Duty Cycle: 1:4

Medium parameters used (extrapolated): $f = 823.987$ MHz; $\sigma = 0.91$ mho/m; $\epsilon_r = 42$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6R - SN1579; ConvF(6.34, 6.34, 6.34); Calibrated: 25.01.2012
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn335; Calibrated: 20.02.2012
- Phantom: SAM Sugar 1341; Type: QD 000 P40 CB; Serial: TP-1341
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

PTT/Area Scan (8x18x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.489 mW/g

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

Reference Value = 16.5 V/m; Power Drift = 0.165 dB

Peak SAR (extrapolated) = 0.677 W/kg

SAR(1 g) = 0.473 mW/g; SAR(10 g) = 0.349 mW/g

Maximum value of SAR (measured) = 0.510 mW/g

PTT/Zoom Scan (7x7x7)/Cube 1: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 16.5 V/m; Power Drift = 0.165 dB

Peak SAR (extrapolated) = 0.591 W/kg

SAR(1 g) = 0.440 mW/g; SAR(10 g) = 0.309 mW/g

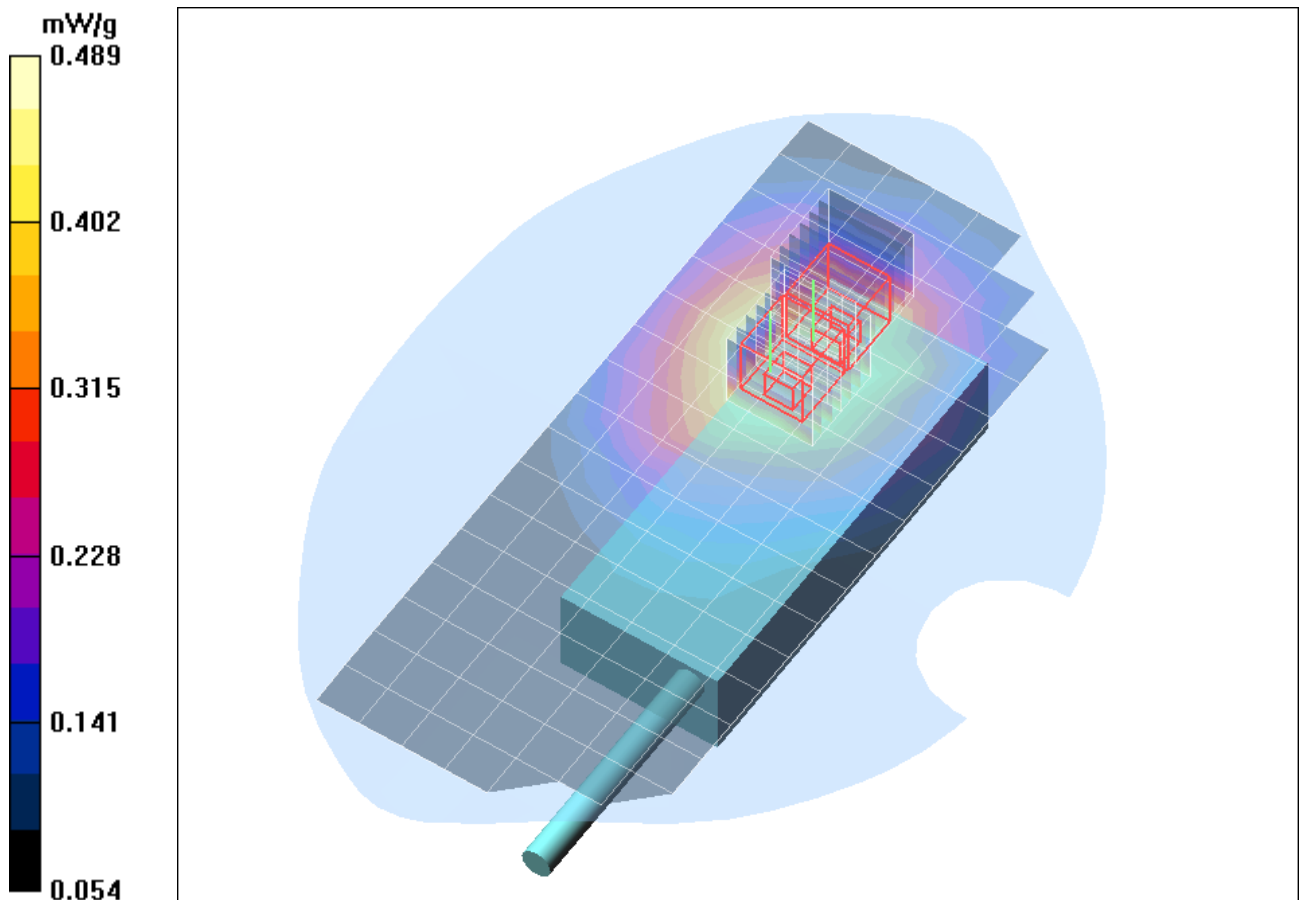


Fig. 12: SAR distribution for Tetra, 823.9875 MHz, PTT (July 24, 2012; Ambient Temperature: 22.8° C; Liquid Temperature: 22.5° C).

Test Laboratory: Imst GmbH, DASY Yellow (II); File Name: [084_ytptt_1_group4.da4](#)

DUT: SELEX; Type: PUMA T3 Plus; Serial: 870084

Program Name: PTT

Communication System: Tetra; Frequency: 854.013 MHz; Duty Cycle: 1:4

Medium parameters used (extrapolated): $f = 854.013$ MHz; $\sigma = 0.934$ mho/m; $\epsilon_r = 41.8$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6R - SN1579; ConvF(6.34, 6.34, 6.34); Calibrated: 25.01.2012
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn335; Calibrated: 20.02.2012
- Phantom: SAM Sugar 1341; Type: QD 000 P40 CB; Serial: TP-1341
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

PTT/Area Scan (8x18x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.477 mW/g

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

Reference Value = 17.5 V/m; Power Drift = -0.143 dB

Peak SAR (extrapolated) = 0.691 W/kg

SAR(1 g) = 0.478 mW/g; SAR(10 g) = 0.340 mW/g

Maximum value of SAR (measured) = 0.514 mW/g

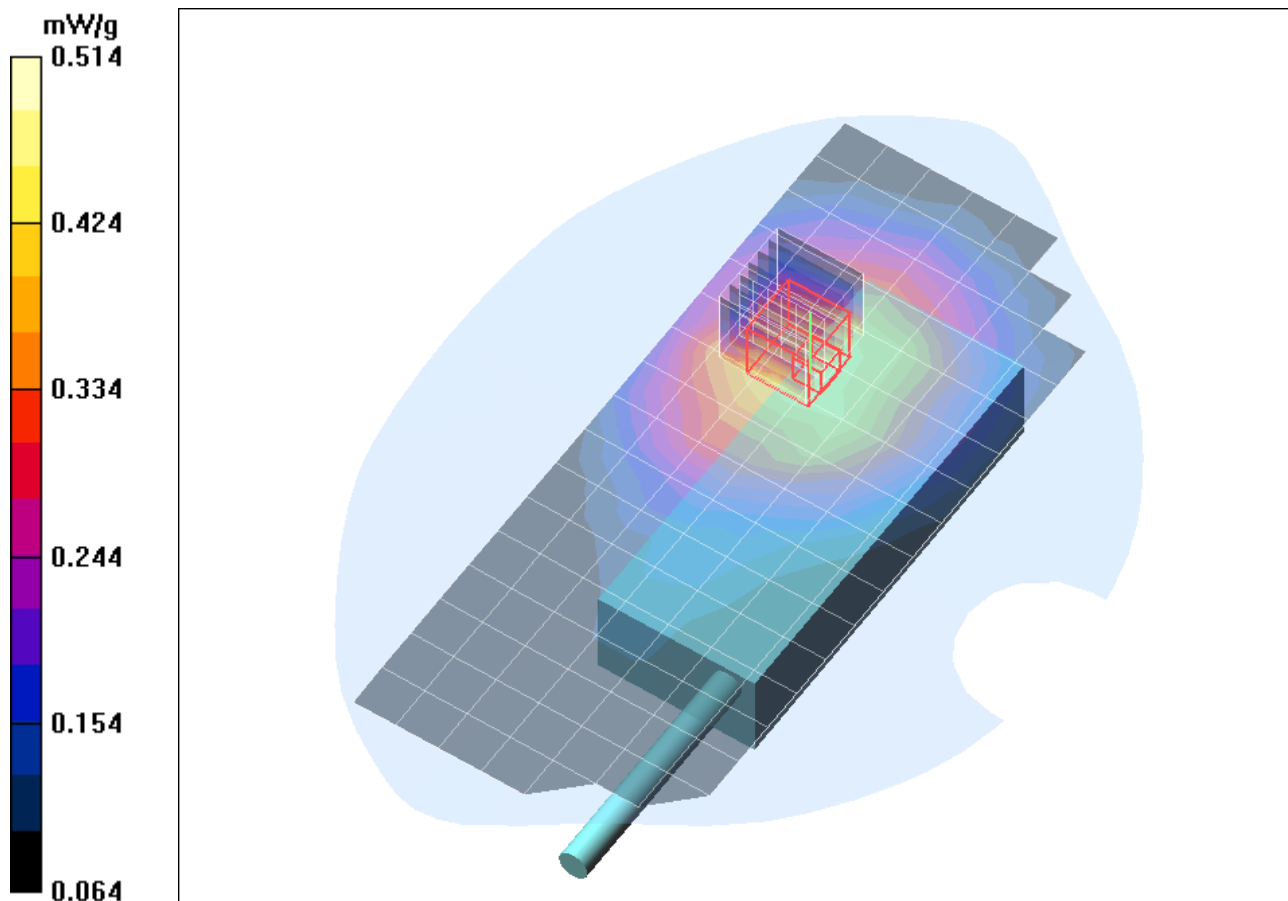


Fig. 13: SAR distribution for Tetra, 854.0125 MHz, PTT (July 24, 2012; Ambient Temperature: 22.8° C; Liquid Temperature: 22.5° C).

Test Laboratory: Imst GmbH, DASY Yellow (II); File Name: [084_ytptt_1_group6.da4](#)

DUT: SELEX; Type: PUMA T3 Plus; Serial: 870084

Program Name: PTT

Communication System: Tetra; Frequency: 868.987 MHz; Duty Cycle: 1:4

Medium parameters used (extrapolated): $f = 868.987$ MHz; $\sigma = 0.946$ mho/m; $\epsilon_r = 41.6$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6R - SN1579; ConvF(6.34, 6.34, 6.34); Calibrated: 25.01.2012
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn335; Calibrated: 20.02.2012
- Phantom: SAM Sugar 1341; Type: QD 000 P40 CB; Serial: TP-1341
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

PTT/Area Scan (8x18x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.498 mW/g

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

Reference Value = 16.5 V/m; Power Drift = -0.136 dB

Peak SAR (extrapolated) = 0.633 W/kg

SAR(1 g) = 0.449 mW/g; SAR(10 g) = 0.326 mW/g

Maximum value of SAR (measured) = 0.484 mW/g

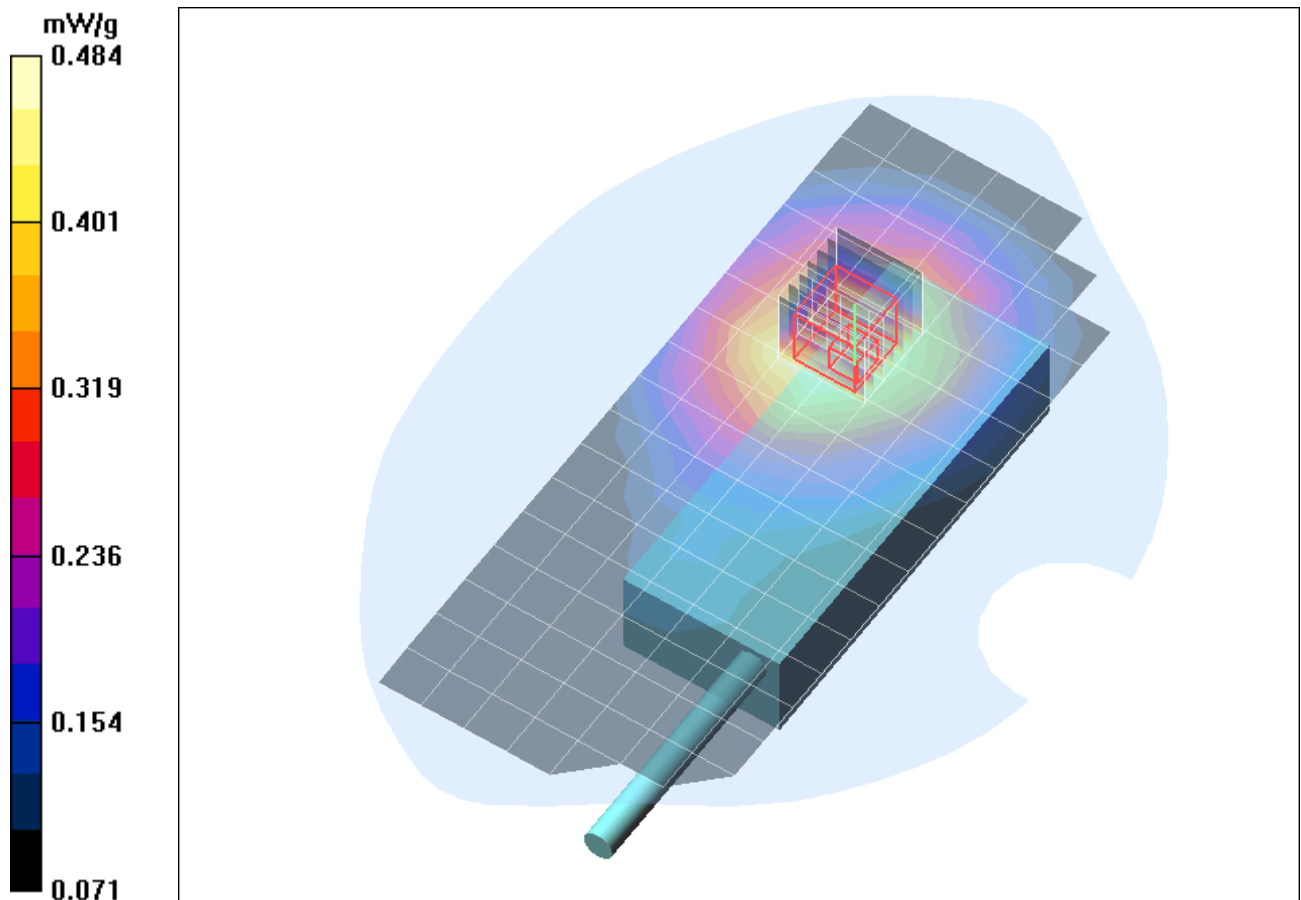


Fig. 14: SAR distribution for Tetra, 868.9875 MHz, PTT (July 24, 2012; Ambient Temperature: 22.8° C; Liquid Temperature: 22.5° C).

3 SAR Distribution Plots, Tetra, Body Worn Configuration

Test Laboratory: IMST GmbH, DASY Blue (I); File Name:
[084_bthm_1_down_case+belt_Group1.da4](#)

DUT: SELEX; Type: PUMA T3 Plus; Serial: 870084
Program Name: Tetra

Communication System: Tetra; Frequency: 809.013 MHz; Duty Cycle: 1:4
Medium parameters used: $f = 809.013$ MHz; $\sigma = 0.95$ mho/m; $\epsilon_r = 53.9$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6R - SN1579; ConvF(6.24, 6.24, 6.24); Calibrated: 25.01.2012
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn335; Calibrated: 20.02.2012
- Phantom: SAM Sugar 1059; Type: Speag; Serial: 1059
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Body Worn/Area Scan (8x17x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.691 mW/g

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

Reference Value = 14.1 V/m; Power Drift = -0.038 dB

Peak SAR (extrapolated) = 0.951 W/kg

SAR(1 g) = 0.661 mW/g; SAR(10 g) = 0.481 mW/g

Maximum value of SAR (measured) = 0.720 mW/g

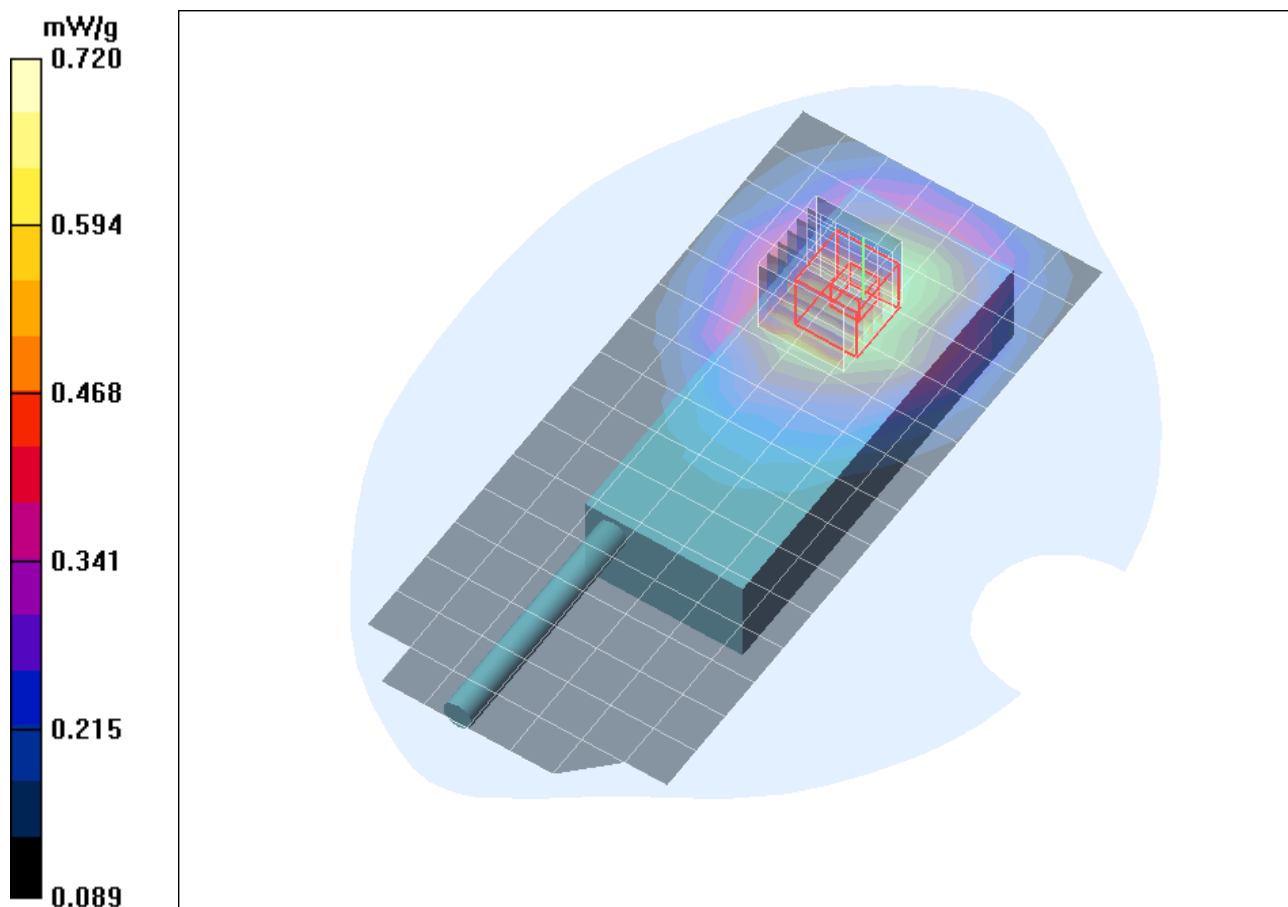


Fig. 15: SAR distribution for Tetra, 809.0125 MHz, body worn configuration, with shoulder belt case (July 31, 2012; Ambient Temperature: 22.7° C; Liquid Temperature: 22.4° C).

Test Laboratory: IMST GmbH, DASY Blue (I); File Name:
[084_bthm_1_down_case+belt_Group3.da4](#)

DUT: SELEX; Type: PUMA T3 Plus; Serial: 870084
 Program Name: Tetra

Communication System: Tetra; Frequency: 823.987 MHz; Duty Cycle: 1:4
 Medium parameters used: $f = 823.987$ MHz; $\sigma = 0.97$ mho/m; $\epsilon_r = 53.8$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6R - SN1579; ConvF(6.24, 6.24, 6.24); Calibrated: 25.01.2012
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn335; Calibrated: 20.02.2012
- Phantom: SAM Sugar 1059; Type: Speag; Serial: 1059
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Body Worn/Area Scan (8x17x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.608 mW/g

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

Reference Value = 15.3 V/m; Power Drift = -0.059 dB

Peak SAR (extrapolated) = 0.838 W/kg

SAR(1 g) = 0.605 mW/g; SAR(10 g) = 0.452 mW/g

Maximum value of SAR (measured) = 0.682 mW/g

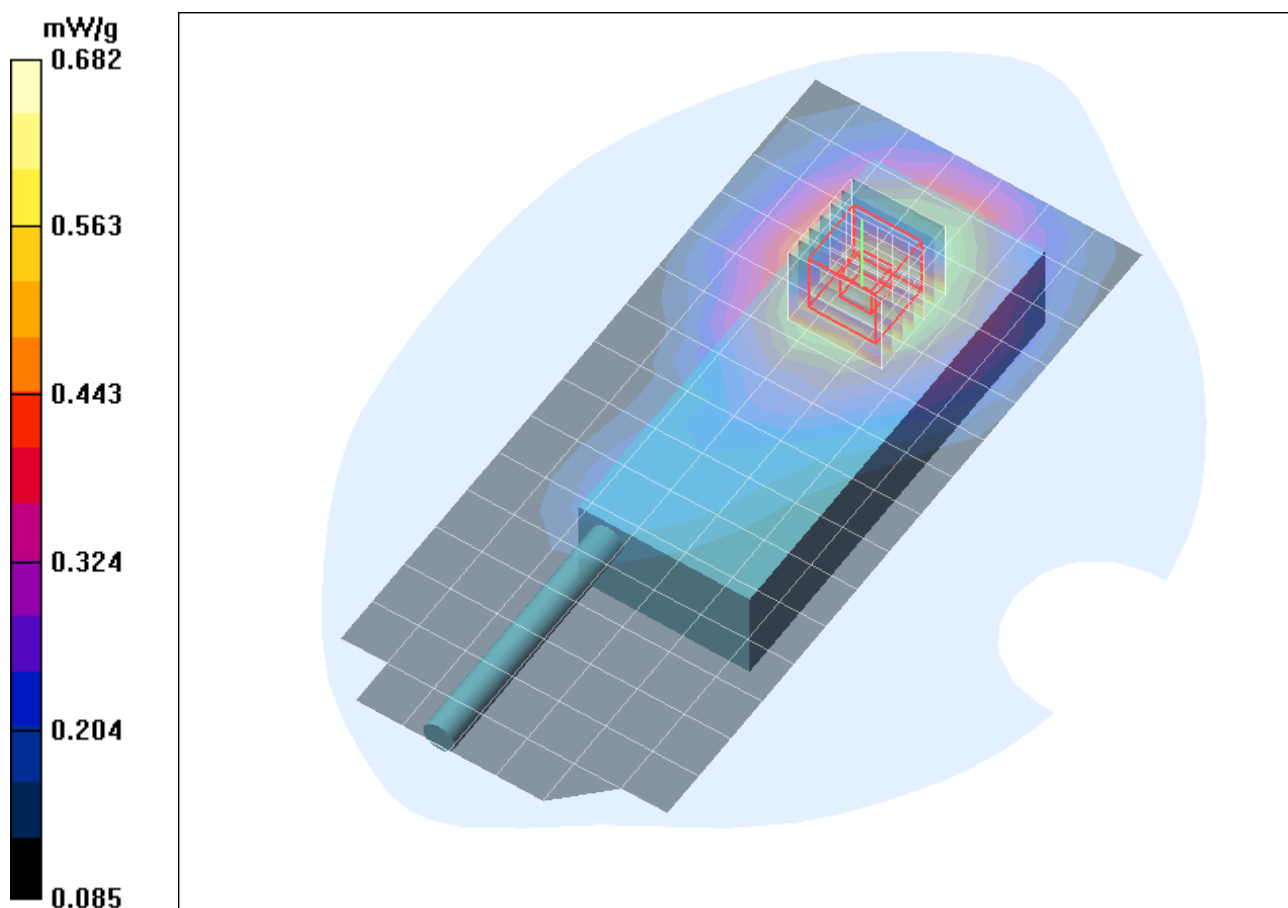


Fig. 16: SAR distribution for Tetra, 823.9875 MHz, body worn configuration, with shoulder belt case (July 31, 2012; Ambient Temperature: 22.7° C; Liquid Temperature: 22.4° C).

Test Laboratory: IMST GmbH, DASY Blue (I); File Name:
[084_bthm_1_down_case+belt_Group4.da4](#)

DUT: SELEX; Type: PUMA T3 Plus; Serial: 870084
 Program Name: Tetra

Communication System: Tetra; Frequency: 854.013 MHz; Duty Cycle: 1:4
 Medium parameters used: $f = 854.013$ MHz; $\sigma = 0.98$ mho/m; $\epsilon_r = 53.5$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6R - SN1579; ConvF(6.24, 6.24, 6.24); Calibrated: 25.01.2012
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn335; Calibrated: 20.02.2012
- Phantom: SAM Sugar 1059; Type: Speag; Serial: 1059
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Body Worn/Area Scan (8x17x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.617 mW/g

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

Reference Value = 17.7 V/m; Power Drift = -0.193 dB

Peak SAR (extrapolated) = 0.848 W/kg

SAR(1 g) = 0.595 mW/g; SAR(10 g) = 0.438 mW/g

Maximum value of SAR (measured) = 0.652 mW/g

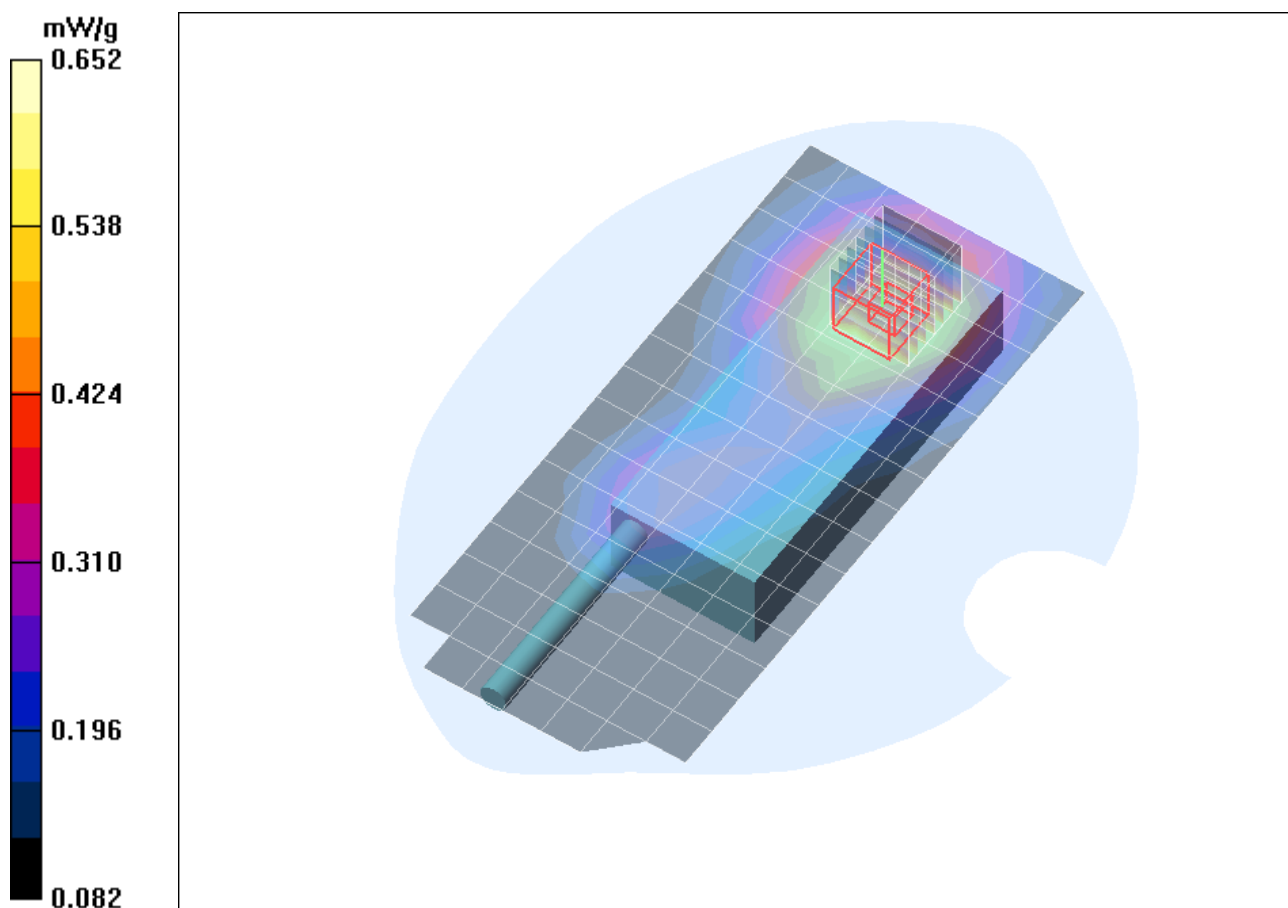


Fig. 17: SAR distribution for Tetra, 854.0125 MHz, body worn configuration, with shoulder belt case (July 31, 2012; Ambient Temperature: 22.7° C; Liquid Temperature: 22.4° C).

Test Laboratory: IMST GmbH, DASY Blue (I); File Name:

[084_bthm_1_down_case+belt_Group6.da4](#)

DUT: SELEX; Type: PUMA T3 Plus; Serial: 870084

Program Name: Tetra

Communication System: Tetra; Frequency: 868.987 MHz; Duty Cycle: 1:4

Medium parameters used: $f = 868.987$ MHz; $\sigma = 0.98$ mho/m; $\epsilon_r = 53.4$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6R - SN1579; ConvF(6.24, 6.24, 6.24); Calibrated: 25.01.2012
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn335; Calibrated: 20.02.2012
- Phantom: SAM Sugar 1059; Type: Speag; Serial: 1059
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Body Worn/Area Scan (8x17x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.526 mW/g

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

Reference Value = 16.7 V/m; Power Drift = 0.184 dB

Peak SAR (extrapolated) = 0.669 W/kg

SAR(1 g) = 0.522 mW/g; SAR(10 g) = 0.387 mW/g

Maximum value of SAR (measured) = 0.583 mW/g

Body Worn/Zoom Scan (7x7x7)/Cube 1: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 16.7 V/m; Power Drift = 0.184 dB

Peak SAR (extrapolated) = 0.592 W/kg

SAR(1 g) = 0.382 mW/g; SAR(10 g) = 0.261 mW/g

Maximum value of SAR (measured) = 0.429 mW/g

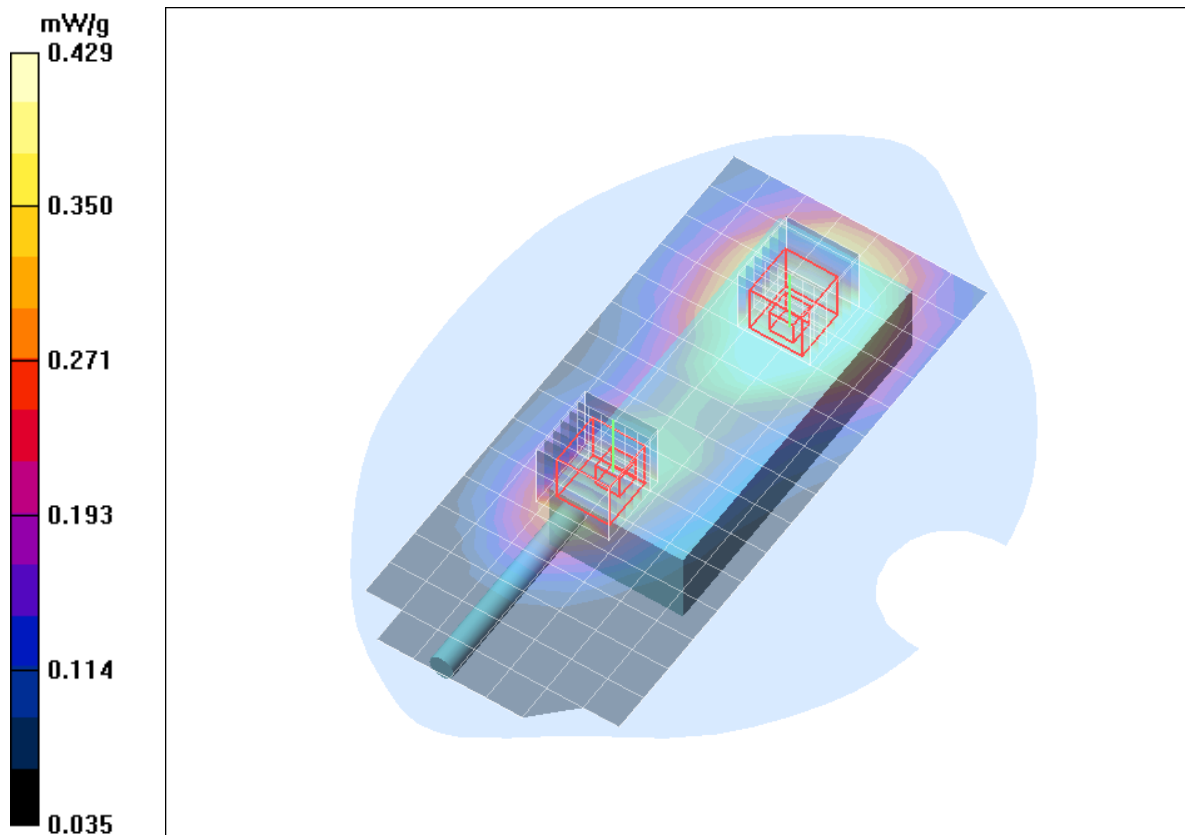


Fig. 18: SAR distribution for Tetra, 868.9875 MHz, body worn configuration, with shoulder belt case (July 31, 2012; Ambient Temperature: 22.7° C; Liquid Temperature: 22.4° C).

4 SAR z-axis scans (Validation)

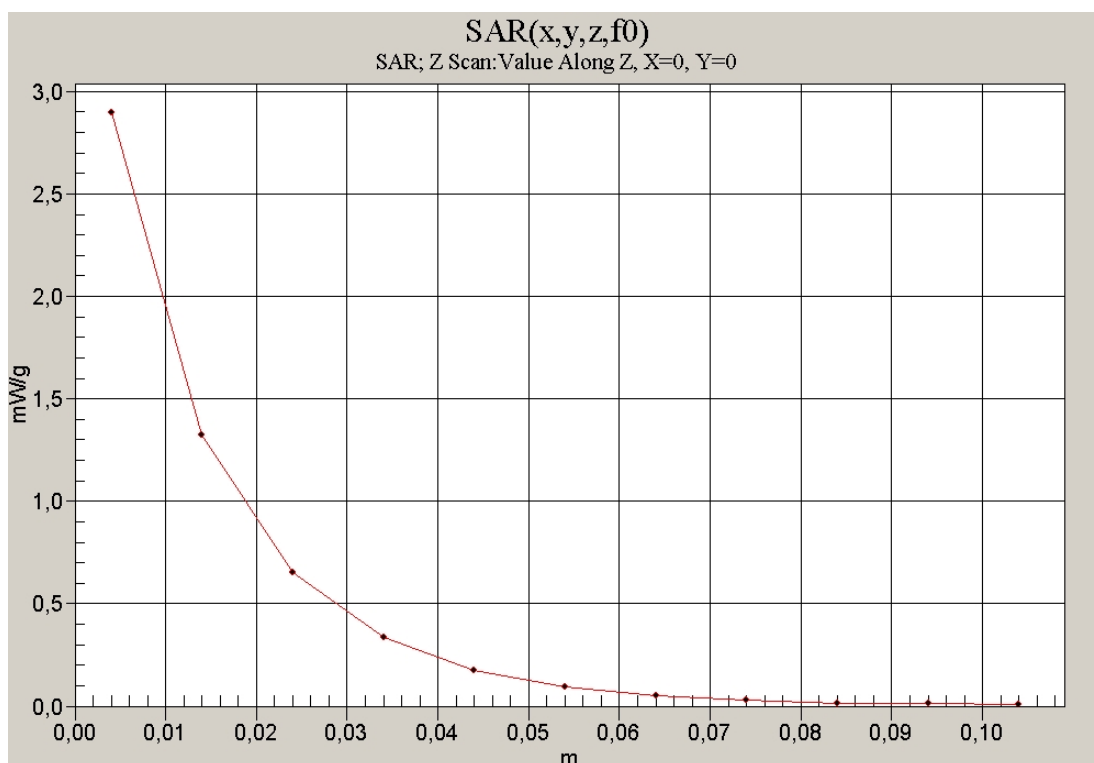


Fig. 19: SAR versus liquid depth, 835 MHz, head (July 24, 2012; Ambient Temperature: 22.7° C; Liquid Temperature : 22.5° C).

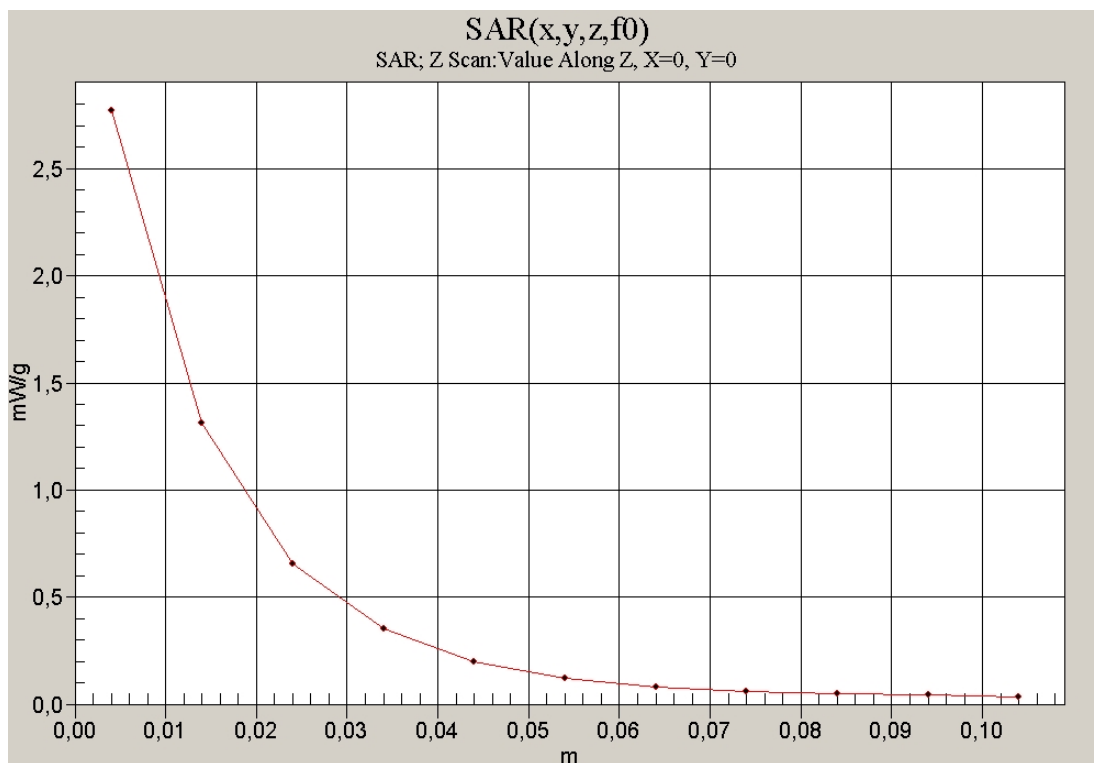


Fig. 20: SAR versus liquid depth, 835 MHz, body (July 31, 2012; Ambient Temperature: 22.7° C; Liquid Temperature : 22.4° C).

5 SAR z-axis scans (Measurements)

The following pictures show the plots of SAR versus liquid depth for the worst case values.

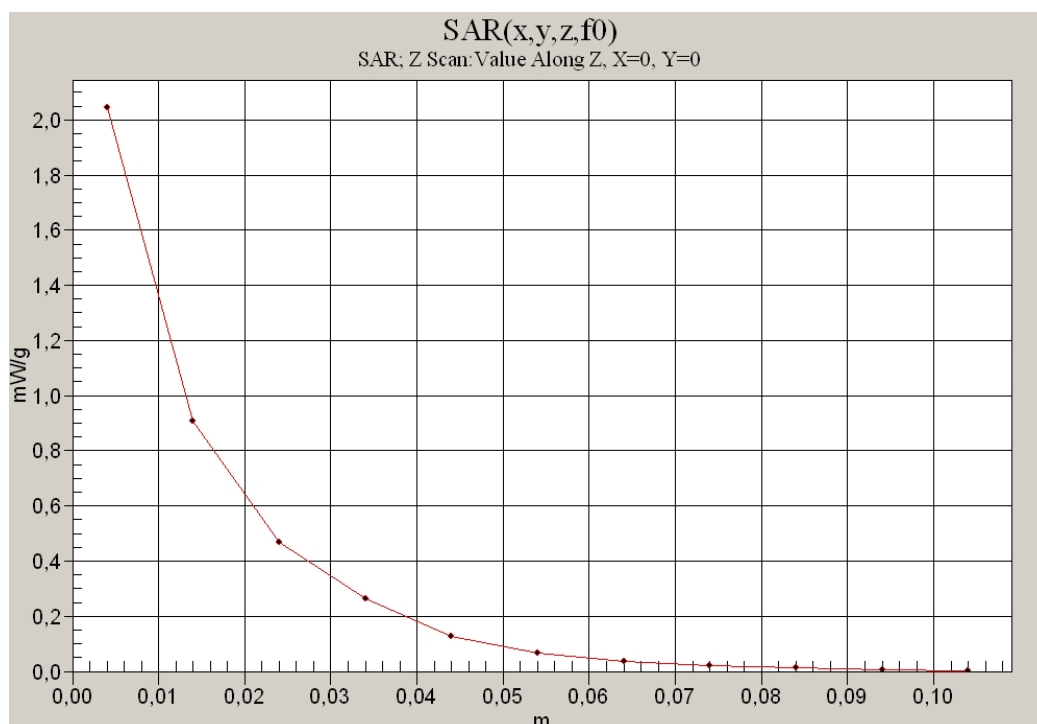


Fig. 21: SAR versus liquid depth, head: Tetra, 809.0125 MHz, tilted position, right side of head (July 24, 2012; Ambient Temperature: 22.8° C; Liquid Temperature: 22.5° C).

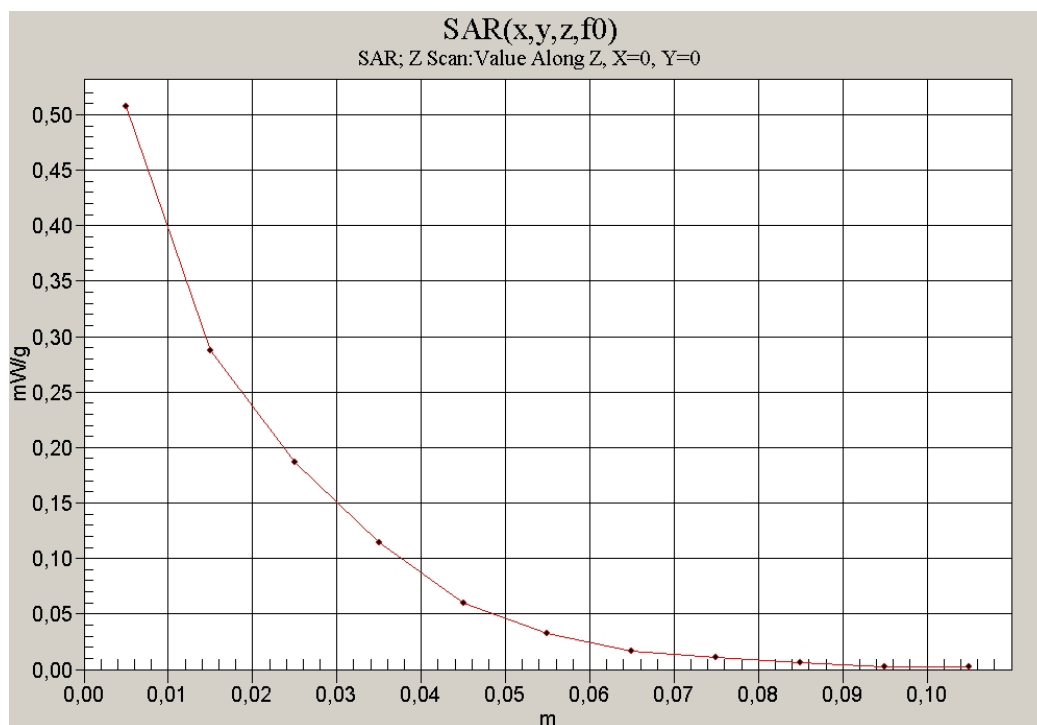


Fig. 22: SAR versus liquid depth, body: Tetra, 809.0125 MHz, shoulder belt case (July 31, 2012; Ambient Temperature: 22.7° C; Liquid Temperature: 22.4° C).