TTI-P-G 158

Appendix for the Report

Dosimetric Assessment of the Siemens SL55 (FCC ID: PWX-SL55) According to the FCC Requirements

SAR Distribution Plots

February 25, 2003

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1 SAR Distribution Plots, PCS 1900 Head without QuickPic Camera

Test Laboratory: IMST
File Name: upoplm_1.da4

DUT: Siemens Type & Serial Number: 004999511602228
Program: Measurement; cheek left

Communication System: GSM 1900; Frequency: 1880 MHz; Duty Cycle: 1:8
Medium: Head 1900 MHz (σ = 1.44 mho/m, ε = 39.9, ρ = 1000 kg/m3)
Phantom section: LeftSection

DASY4 Configuration:
- Probe: ET3DV6 - SN1579; ConvF(5.2, 5.2, 5.2); Calibrated: 03.05.2002
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn335; Calibrated: 15.05.2002
- Phantom: SAM 4.0 - TP: 1176
- Software: DASY4, V4.0 Build 51

Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm
Reference Value = 3.36 V/m
Peak SAR = 0.266 mW/g
SAR(1 g) = 0.171 mW/g; SAR(10 g) = 0.104 mW/g
Power Drift = -0.1 dB

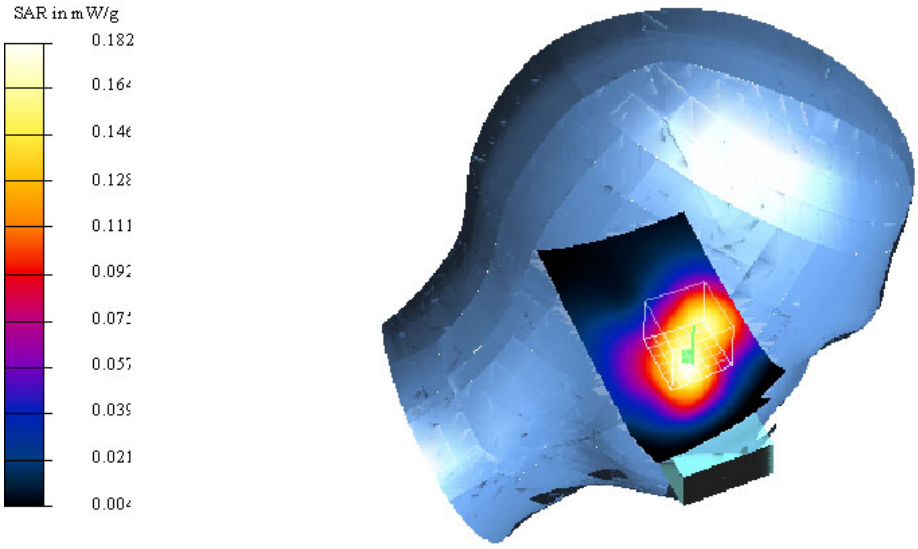

Fig. 1: SAR distribution for slider up, PCS 1900, channel 661, cheek position, left side of head. (18.02.2002; Liquid Temperature: 19.1° C; Ambient Temperature : 20.7° C).

Test Laboratory: IMST
File Name: upoplm_2.da4

DUT: Siemens Type & Serial Number: 004999511602228
Program: Measurement; tilted left

Communication System: GSM 1900; Frequency: 1880 MHz; Duty Cycle: 1:8
Medium: Head 1900 MHz (σ = 1.44 mho/m, ε = 39.9, ρ = 1000 kg/m3)
Phantom section: LeftSection

DASY4 Configuration:
- Probe: ET3DV6 - SN1579; ConvF(5.2, 5.2, 5.2); Calibrated: 03.05.2002
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn335; Calibrated: 15.05.2002
- Phantom: SAM 4.0 - TP: 1176
- Software: DASY4, V4.0 Build 51

Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm
Reference Value = 4.48 V/m
Peak SAR = 0.155 mW/g
SAR(1 g) = 0.0896 mW/g; SAR(10 g) = 0.0525 mW/g
Power Drift = -0.008 dB

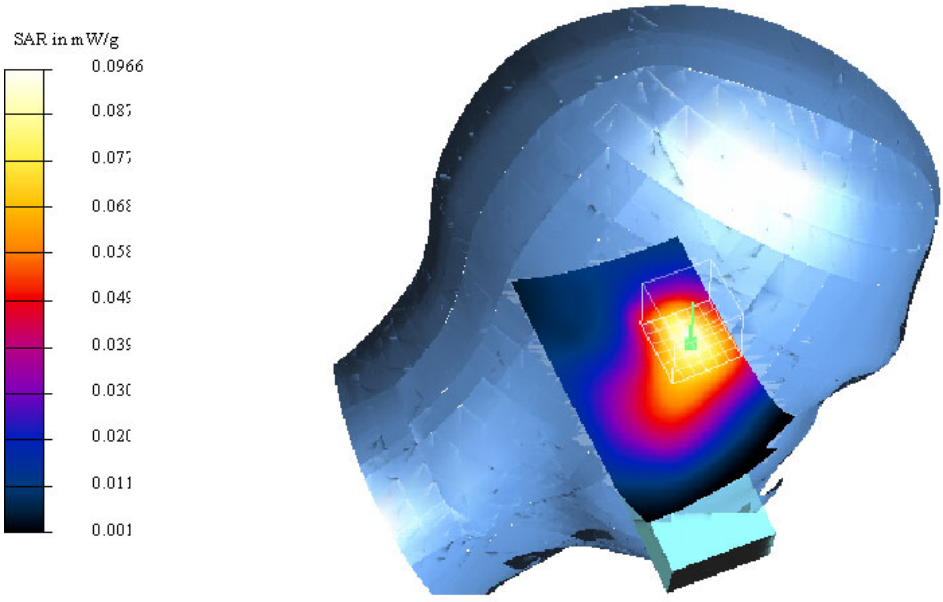

Fig. 2: SAR distribution for slider up, PCS 1900, channel 661, tilted position, left side of head. (18.02.2002; Liquid Temperature: 19.0° C; Ambient Temperature : 20.6° C).

Test Laboratory: IMST
File Name: upoprm_1.da4

DUT: Siemens Type & Serial Number: 004999511602228
Program: Measurement; cheek right

Communication System: GSM 1900; Frequency: 1880 MHz; Duty Cycle: 1:8
Medium: Head 1900 MHz (σ = 1.44 mho/m, ε = 39.9, ρ = 1000 kg/m3)
Phantom section: RightSection

DASY4 Configuration:
- Probe: ET3DV6 - SN1579; ConvF(5.2, 5.2, 5.2); Calibrated: 03.05.2002
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn335; Calibrated: 15.05.2002
- Phantom: SAM 4.0 - TP: 1176
- Software: DASY4, V4.0 Build 51

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm
Reference Value = 5.91 V/m
Peak SAR = 0.334 mW/g
SAR(1 g) = 0.216 mW/g; SAR(10 g) = 0.133 mW/g
Power Drift = 0.03 dB
Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm

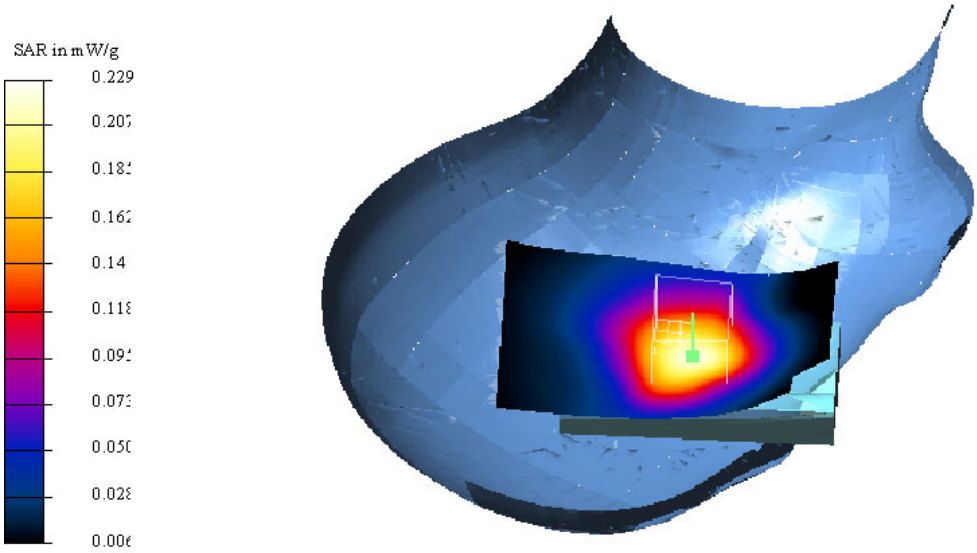

Fig. 3: SAR distribution for slider up, PCS 1900, channel 661, cheek position, right side of head (18.02.2002; Liquid Temperature: 19.0° C; Ambient Temperature : 20.7° C).

Test Laboratory: IMST
File Name: upoprm_2.da4

DUT: Siemens Type & Serial Number: 004999511602228
Program: Measurement; tilted right

Communication System: GSM 1900; Frequency: 1880 MHz; Duty Cycle: 1:8
Medium: Head 1900 MHz (σ = 1.44 mho/m, ε = 39.9, ρ = 1000 kg/m3)
Phantom section: RightSection

DASY4 Configuration:
- Probe: ET3DV6 - SN1579; ConvF(5.2, 5.2, 5.2); Calibrated: 03.05.2002
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn335; Calibrated: 15.05.2002
- Phantom: SAM 4.0 - TP: 1176
- Software: DASY4, V4.0 Build 51

Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm
Reference Value = 6.04 V/m
Peak SAR = 0.125 mW/g
SAR(1 g) = 0.0772 mW/g; SAR(10 g) = 0.048 mW/g
Power Drift = 0.04 dB

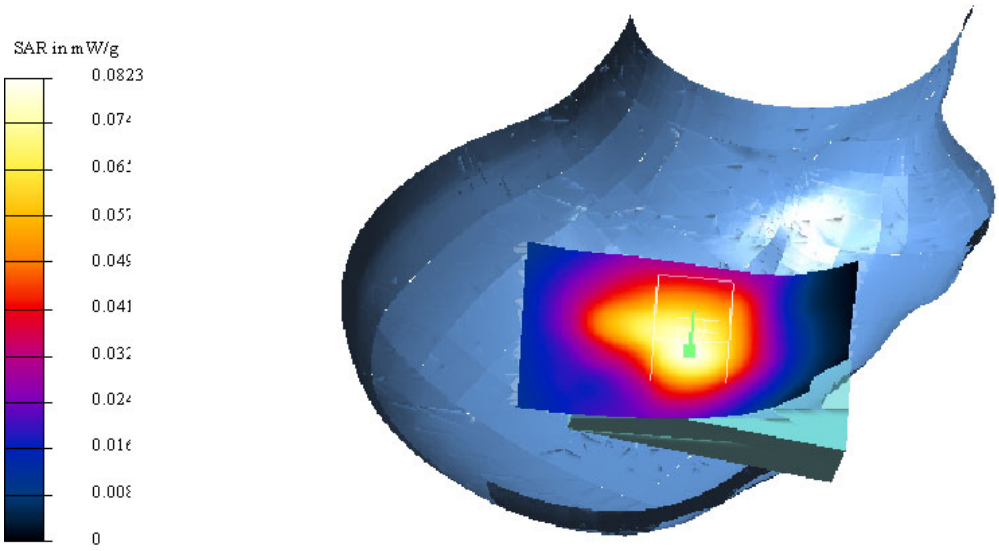

Fig. 4: SAR distribution for slider up, PCS 1900, channel 661, tilted position, right side of head. (18.02.2002; Liquid Temperature: 19.0° C; Ambient Temperature : 20.7° C).

Test Laboratory: IMST
File Name: dnoplm_1.da4

DUT: Siemens Type & Serial Number: 004999511602228
Program: Measurement; cheek left

Communication System: GSM 1900; Frequency: 1880 MHz; Duty Cycle: 1:8
Medium: Head 1900 MHz (σ = 1.44 mho/m, ε = 39.9, ρ = 1000 kg/m3)
Phantom section: LeftSection

DASY4 Configuration:
- Probe: ET3DV6 - SN1579; ConvF(5.2, 5.2, 5.2); Calibrated: 03.05.2002
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn335; Calibrated: 15.05.2002
- Phantom: SAM 4.0 - TP: 1176
- Software: DASY4, V4.0 Build 51

Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm
Reference Value = 6.8 V/m
Peak SAR = 0.313 mW/g
SAR(1 g) = 0.208 mW/g; SAR(10 g) = 0.127 mW/g
Power Drift = 0.03 dB

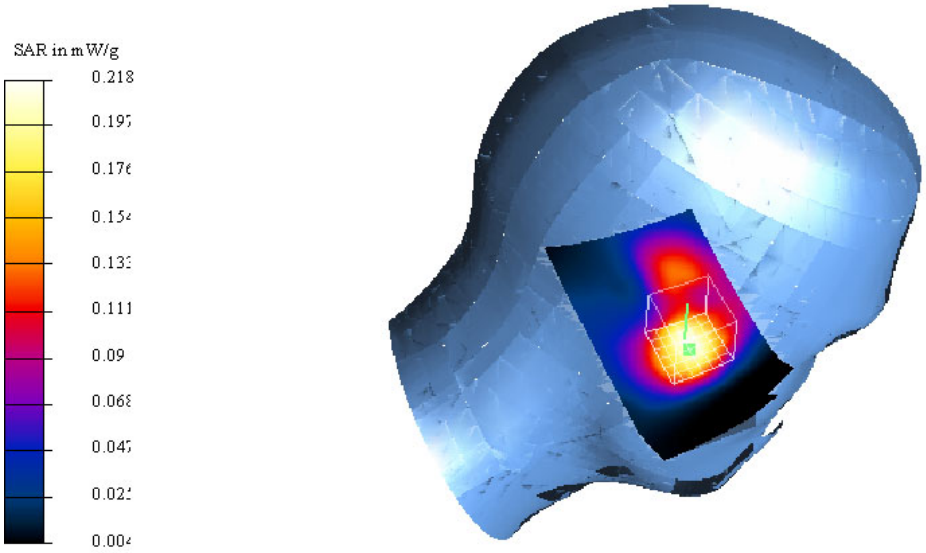

Fig. 5: SAR distribution for slider down, PCS 1900, channel 661, cheek position, left side of head. (18.02.2002; Liquid Temperature: 19.0° C; Ambient Temperature : 21.1° C).

Test Laboratory: IMST
File Name: dnoplm_2.da4

DUT: Siemens Type & Serial Number: 004999511602228
Program: Measurement; tilted left

Communication System: GSM 1900; Frequency: 1880 MHz; Duty Cycle: 1:8
Medium: Head 1900 MHz (σ = 1.44 mho/m, ε = 39.9, ρ = 1000 kg/m3)
Phantom section: LeftSection

DASY4 Configuration:
- Probe: ET3DV6 - SN1579; ConvF(5.2, 5.2, 5.2); Calibrated: 03.05.2002
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn335; Calibrated: 15.05.2002
- Phantom: SAM 4.0 - TP: 1176
- Software: DASY4, V4.0 Build 51

Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm
Reference Value = 7.73 V/m
Peak SAR = 0.316 mW/g
SAR(1 g) = 0.162 mW/g; SAR(10 g) = 0.0809 mW/g
Power Drift = 0.1 dB

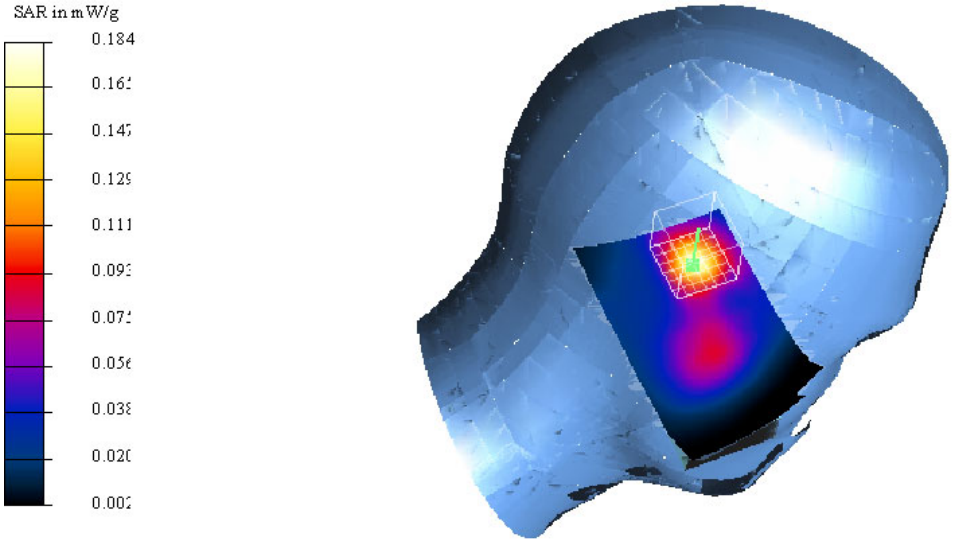

Fig. 6: SAR distribution for slider down, channel 661, tilted position, left side of head. (18.02.2002; Liquid Temperature: 18.9° C; Ambient Temperature : 21.1° C).

Test Laboratory: IMST
File Name: dnoprm_1.da4

DUT: Siemens Type & Serial Number: 004999511602228
Program: Measurement; cheek right

Communication System: GSM 1900; Frequency: 1880 MHz; Duty Cycle: 1:8
Medium: Head 1900 MHz (σ = 1.44 mho/m, ε = 39.9, ρ = 1000 kg/m3)
Phantom section: RightSection

DASY4 Configuration:
- Probe: ET3DV6 - SN1579; ConvF(5.2, 5.2, 5.2); Calibrated: 03.05.2002
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn335; Calibrated: 15.05.2002
- Phantom: SAM 4.0 - TP: 1176
- Software: DASY4, V4.0 Build 51

Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm
Reference Value = 9.43 V/m
Peak SAR = 0.348 mW/g
SAR(1 g) = 0.21 mW/g; SAR(10 g) = 0.122 mW/g
Power Drift = -0.02 dB

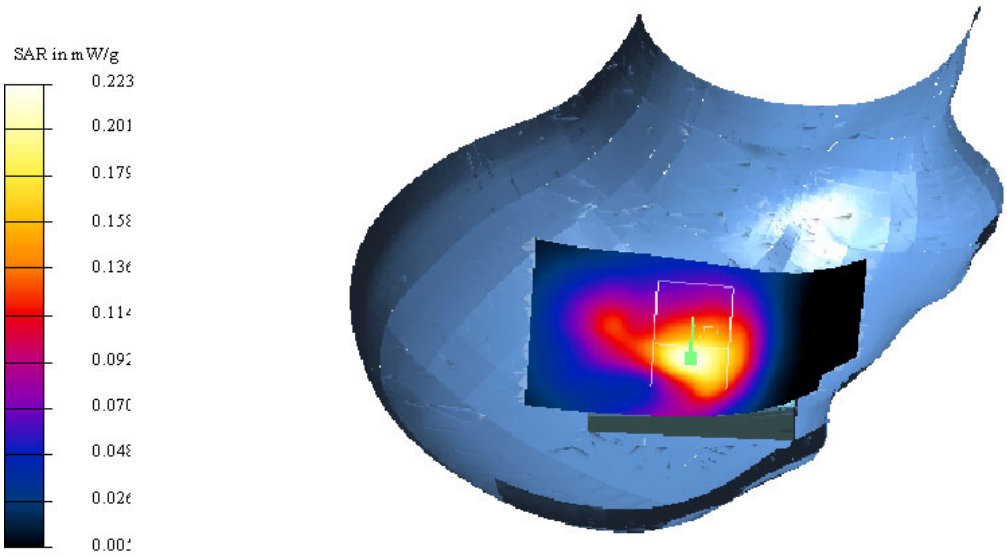

Fig. 7: SAR distribution for slider down, channel 661, cheek position, right side of head (18.02.2002; Liquid Temperature: 18.9° C; Ambient Temperature : 21.3° C).

Test Laboratory: IMST
File Name: dnoprm_2.da4

DUT: Siemens Type & Serial Number: 004999511602228
Program: Measurement; tilted right

Communication System: GSM 1900; Frequency: 1880 MHz; Duty Cycle: 1:8
Medium: Head 1900 MHz (σ = 1.44 mho/m, ε = 39.9, ρ = 1000 kg/m3)
Phantom section: RightSection

DASY4 Configuration:
- Probe: ET3DV6 - SN1579; ConvF(5.2, 5.2, 5.2); Calibrated: 03.05.2002
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn335; Calibrated: 15.05.2002
- Phantom: SAM 4.0 - TP: 1176
- Software: DASY4, V4.0 Build 51

Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm
Reference Value = 9.54 V/m
Peak SAR = 0.232 mW/g
SAR(1 g) = 0.129 mW/g; SAR(10 g) = 0.0681 mW/g
Power Drift = -0.006 dB

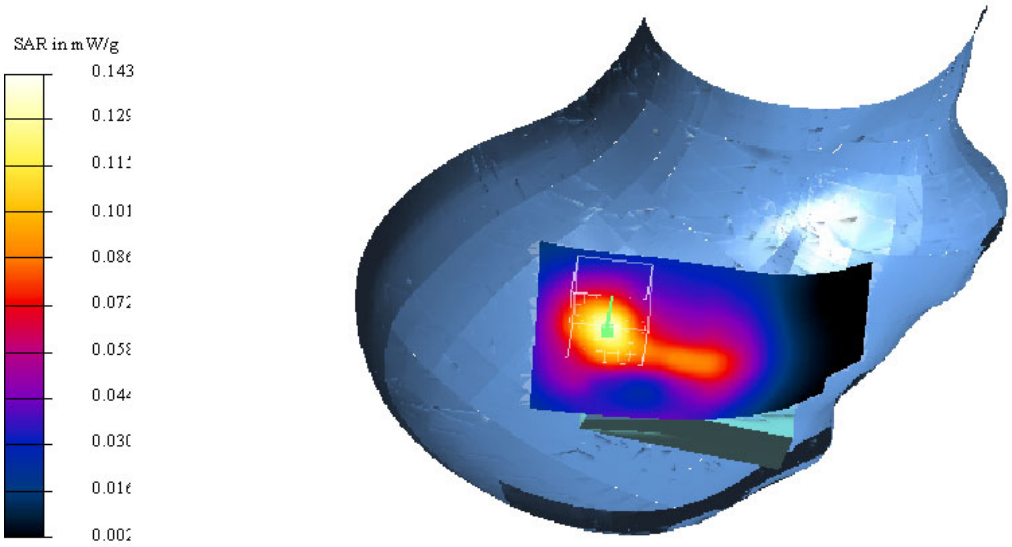

Fig. 8: SAR distribution for slider down, PCS 1900, channel 661, tilted position, right side of head. (18.02.2002; Liquid Temperature: 18.9° C; Ambient Temperature : 21.5° C).

2 SAR Distribution Plots, PCS 1900 Head with QuickPic Camera

Test Laboratory: IMST
File Name: upmplm_1.da4

DUT: Siemens +Camera Type & Serial Number: 004999511602228
Program: Measurement; cheek left

Communication System: GSM 1900; Frequency: 1880 MHz; Duty Cycle: 1:8
Medium: Head 1900 MHz (σ = 1.44 mho/m, ε = 39.9, ρ = 1000 kg/m3)
Phantom section: LeftSection

DASY4 Configuration:
- Probe: ET3DV6 - SN1579; ConvF(5.2, 5.2, 5.2); Calibrated: 03.05.2002
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn335; Calibrated: 15.05.2002
- Phantom: SAM 4.0 - TP: 1176
- Software: DASY4, V4.0 Build 51

Zoom Scan (7x7x7)/**Cube 0:** Measurement grid: dx=5mm, dy=5mm
Reference Value = 5.03 V/m
Peak SAR = 0.43 mW/g
SAR(1 g) = 0.262 mW/g; SAR(10 g) = 0.151 mW/g
Power Drift = -0.06 dB
Area Scan (51x111x1): Measurement grid: dx=15mm, dy=15mm

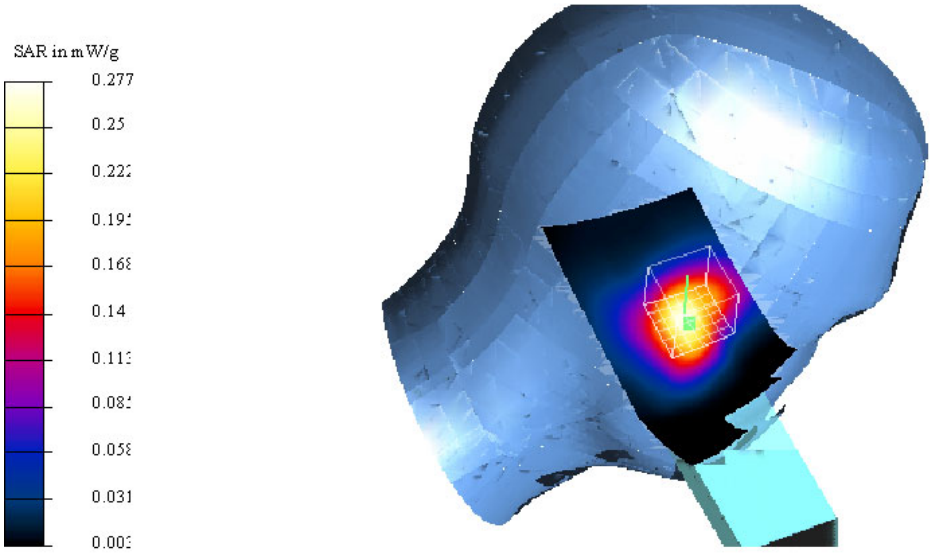

Fig. 9: SAR distribution for slider up, PCS 1900, channel 661, cheek position, left side of head. (18.02.2002; Liquid Temperature: 18.9° C; Ambient Temperature : 21.2° C).

Test Laboratory: IMST
File Name: upmplm_2.da4

DUT: Siemens +Camera Type & Serial Number: 004999511602228
Program: Measurement; tilted left

Communication System: GSM 1900; Frequency: 1880 MHz; Duty Cycle: 1:8
Medium: Head 1900 MHz (σ = 1.44 mho/m, ε = 39.9, ρ = 1000 kg/m3)
Phantom section: LeftSection

DASY4 Configuration:
- Probe: ET3DV6 - SN1579; ConvF(5.2, 5.2, 5.2); Calibrated: 03.05.2002
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn335; Calibrated: 15.05.2002
- Phantom: SAM 4.0 - TP: 1176
- Software: DASY4, V4.0 Build 51

Area Scan (51x111x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm
Reference Value = 5.58 V/m
Peak SAR = 0.175 mW/g
SAR(1 g) = 0.107 mW/g; SAR(10 g) = 0.0651 mW/g
Power Drift = 0.006 dB

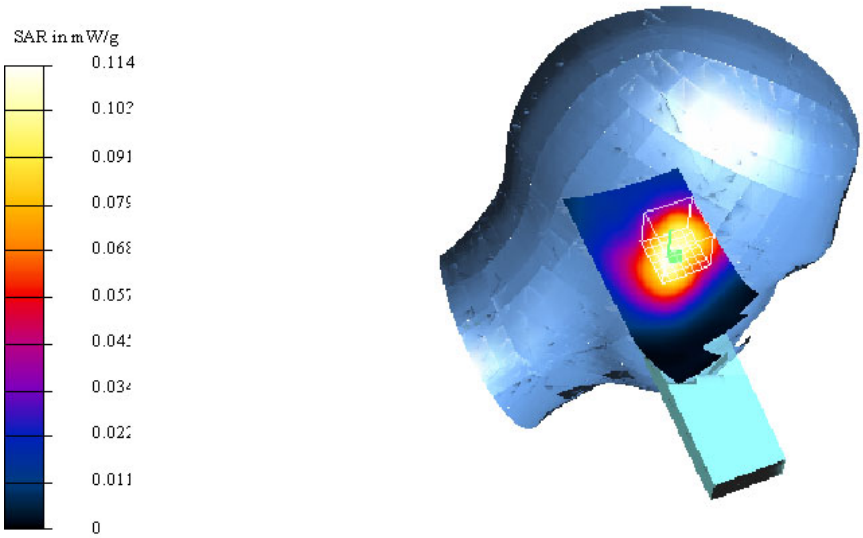

Fig. 10: SAR distribution for slider up, PCS 1900, channel 661, tilted position, left side of head. (18.02.2002; Liquid Temperature: 19.0° C; Ambient Temperature : 21.2° C).

Test Laboratory: IMST
File Name: upmprm_1.da4

DUT: Siemens +Camera Type & Serial Number: 004999511602228
Program: Measurement; cheek right

Communication System: GSM 1900; Frequency: 1880 MHz; Duty Cycle: 1:8
Medium: Head 1900 MHz (σ = 1.44 mho/m, ε = 39.9, ρ = 1000 kg/m3)
Phantom section: RightSection

DASY4 Configuration:
- Probe: ET3DV6 - SN1579; ConvF(5.2, 5.2, 5.2); Calibrated: 03.05.2002
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn335; Calibrated: 15.05.2002
- Phantom: SAM 4.0 - TP: 1176
- Software: DASY4, V4.0 Build 51

Area Scan (51x111x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm
Reference Value = 7.14 V/m
Peak SAR = 0.455 mW/g
SAR(1 g) = 0.274 mW/g; SAR(10 g) = 0.16 mW/g
Power Drift = -0.06 dB

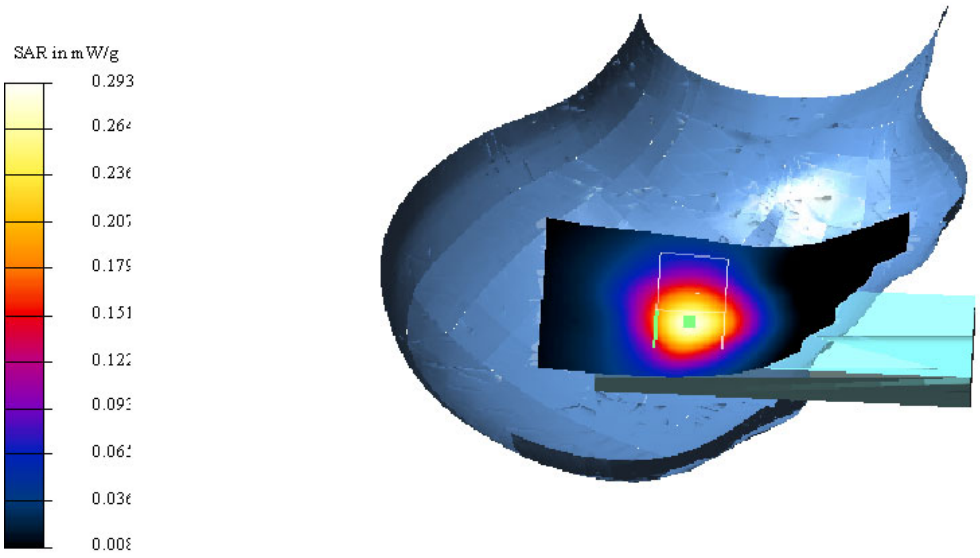

Fig. 11: SAR distribution for slider up, PCS 1900, channel 661, cheek position, right side of head (18.02.2002; Liquid Temperature: 19.0° C; Ambient Temperature : 21.1° C).

Test Laboratory: IMST
File Name: upmprm_2.da4

DUT: Siemens +Camera Type & Serial Number: 004999511602228
Program: Measurement; tilted right

Communication System: GSM 1900; Frequency: 1880 MHz; Duty Cycle: 1:8
Medium: Head 1900 MHz (σ = 1.44 mho/m, ε = 39.9, ρ = 1000 kg/m3)
Phantom section: RightSection

DASY4 Configuration:
- Probe: ET3DV6 - SN1579; ConvF(5.2, 5.2, 5.2); Calibrated: 03.05.2002
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn335; Calibrated: 15.05.2002
- Phantom: SAM 4.0 - TP: 1176
- Software: DASY4, V4.0 Build 51

Area Scan (51x111x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm
Reference Value = 6.88 V/m
Peak SAR = 0.173 mW/g
SAR(1 g) = 0.11 mW/g; SAR(10 g) = 0.0654 mW/g
Power Drift = -0.1 dB

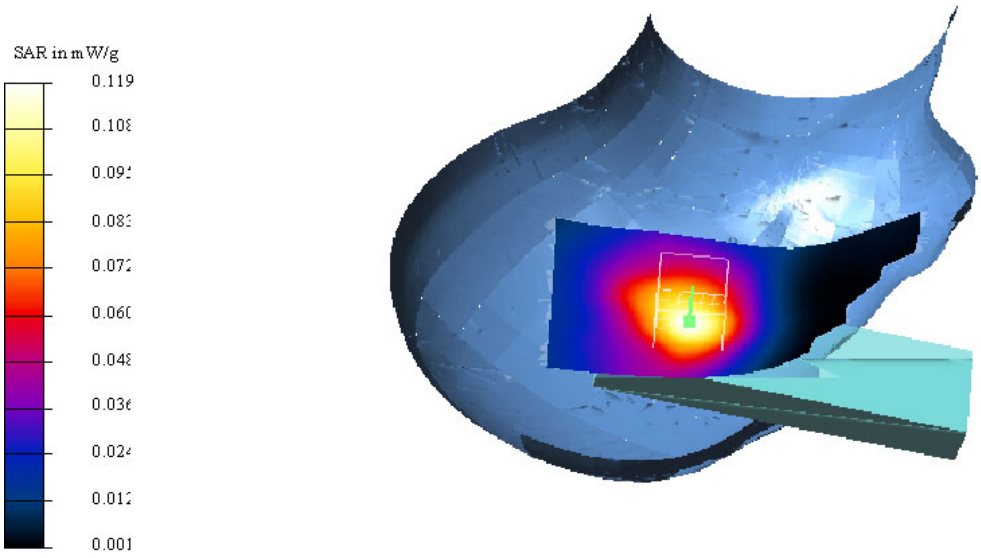

Fig. 12: SAR distribution for slider up, PCS 1900, channel 661, tilted position, right side of head. (18.02.2002; Liquid Temperature: 19.0° C; Ambient Temperature : 21.1° C).

Test Laboratory: IMST
File Name: dmmplm_1.da4

DUT: Siemens +Camera Type & Serial Number: 004999511602228
Program: Measurement; cheek left

Communication System: GSM 1900; Frequency: 1880 MHz; Duty Cycle: 1:8
Medium: Head 1900 MHz (σ = 1.44 mho/m, ε = 39.9, ρ = 1000 kg/m3)
Phantom section: LeftSection

DASY4 Configuration:
- Probe: ET3DV6 - SN1579; ConvF(5.2, 5.2, 5.2); Calibrated: 03.05.2002
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn335; Calibrated: 15.05.2002
- Phantom: SAM 4.0 - TP: 1176
- Software: DASY4, V4.0 Build 51

Area Scan (51x111x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm
Reference Value = 9.61 V/m
Peak SAR = 0.373 mW/g
SAR(1 g) = 0.262 mW/g; SAR(10 g) = 0.149 mW/g
Power Drift = -0.1 dB

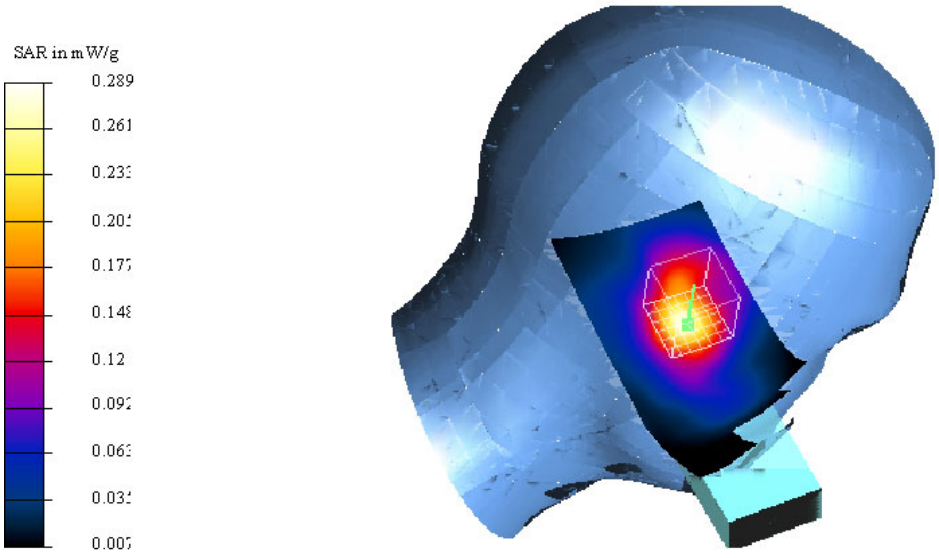

Fig. 13: SAR distribution for slider down, PCS 1900, channel 661, cheek position, left side of head. (18.02.2002; Liquid Temperature: 19.0° C; Ambient Temperature : 21.2° C).

Test Laboratory: IMST
File Name: dmmplm_2.da4

DUT: Siemens +Camera Type & Serial Number: 004999511602228
Program: Measurement; tilted left

Communication System: GSM 1900; Frequency: 1880 MHz; Duty Cycle: 1:8
Medium: Head 1900 MHz (σ = 1.44 mho/m, ε = 39.9, ρ = 1000 kg/m3)
Phantom section: LeftSection

DASY4 Configuration:
- Probe: ET3DV6 - SN1579; ConvF(5.2, 5.2, 5.2); Calibrated: 03.05.2002
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn335; Calibrated: 15.05.2002
- Phantom: SAM 4.0 - TP: 1176
- Software: DASY4, V4.0 Build 51

Area Scan (51x111x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm
Reference Value = 10.5 V/m
Peak SAR = 0.255 mW/g
SAR(1 g) = 0.17 mW/g; SAR(10 g) = 0.1 mW/g
Power Drift = -0.02 dB

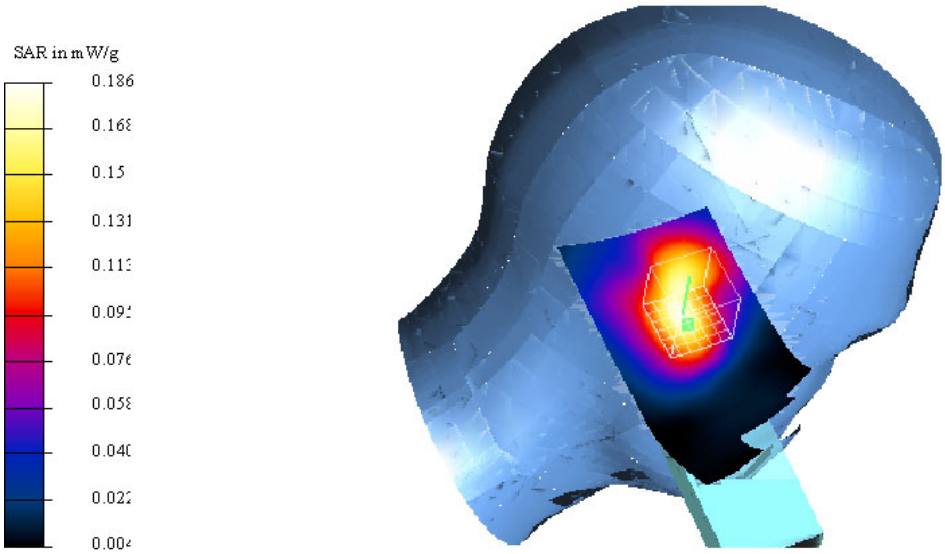

Fig. 14: SAR distribution for slider down, PCS 1900, channel 661, tilted position, left side of head. (18.02.2002; Liquid Temperature: 19.0° C; Ambient Temperature : 21.2° C).

Test Laboratory: IMST
File Name: dmmprm_1.da4

DUT: Siemens +Camera Type & Serial Number: 004999511602228
Program: Measurement; cheek right

Communication System: GSM 1900; Frequency: 1880 MHz; Duty Cycle: 1:8
Medium: Head 1900 MHz (σ = 1.44 mho/m, ε = 39.9, ρ = 1000 kg/m3)
Phantom section: RightSection

DASY4 Configuration:
- Probe: ET3DV6 - SN1579; ConvF(5.2, 5.2, 5.2); Calibrated: 03.05.2002
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn335; Calibrated: 15.05.2002
- Phantom: SAM 4.0 - TP: 1176
- Software: DASY4, V4.0 Build 51

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm
Reference Value = 10.1 V/m
Peak SAR = 0.453 mW/g
SAR(1 g) = 0.302 mW/g; SAR(10 g) = 0.168 mW/g
Power Drift = -0.02 dB
Area Scan (51x111x1): Measurement grid: dx=15mm, dy=15mm

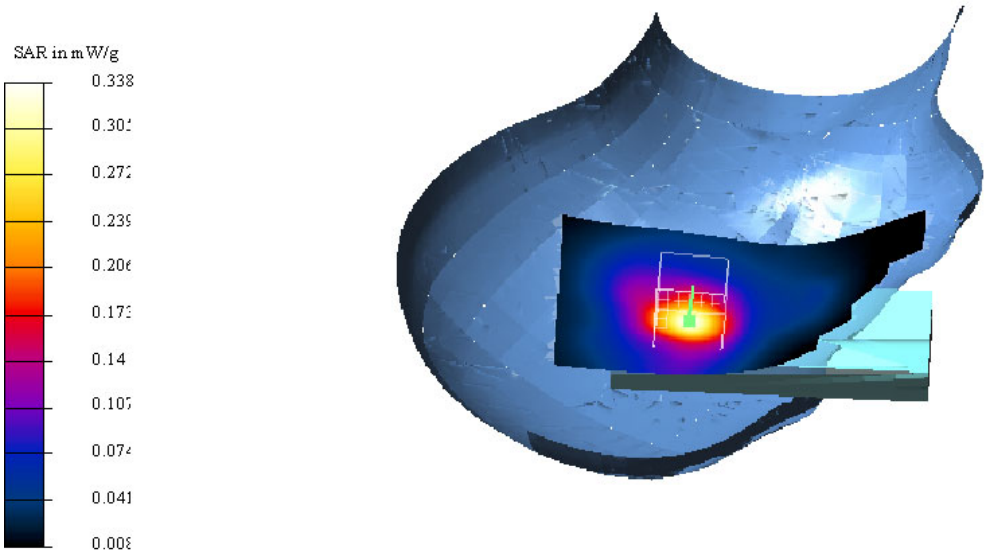

Fig. 15: SAR distribution for slider down, PCS 1900, channel 661, cheek position, right side of head (18.02.2002; Liquid Temperature: 19.0° C; Ambient Temperature : 21.1° C).

Test Laboratory: IMST
File Name: dmmprm_2.da4

DUT: Siemens +Camera Type & Serial Number: 004999511602228
Program: Measurement; tilted right

Communication System: GSM 1900; Frequency: 1880 MHz; Duty Cycle: 1:8
Medium: Head 1900 MHz (σ = 1.44 mho/m, ε = 39.9, ρ = 1000 kg/m3)
Phantom section: RightSection

DASY4 Configuration:
- Probe: ET3DV6 - SN1579; ConvF(5.2, 5.2, 5.2); Calibrated: 03.05.2002
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn335; Calibrated: 15.05.2002
- Phantom: SAM 4.0 - TP: 1176
- Software: DASY4, V4.0 Build 51

Area Scan (51x111x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm
Reference Value = 10.7 V/m
Peak SAR = 0.309 mW/g
SAR(1 g) = 0.203 mW/g; SAR(10 g) = 0.116 mW/g
Power Drift = -0.02 dB

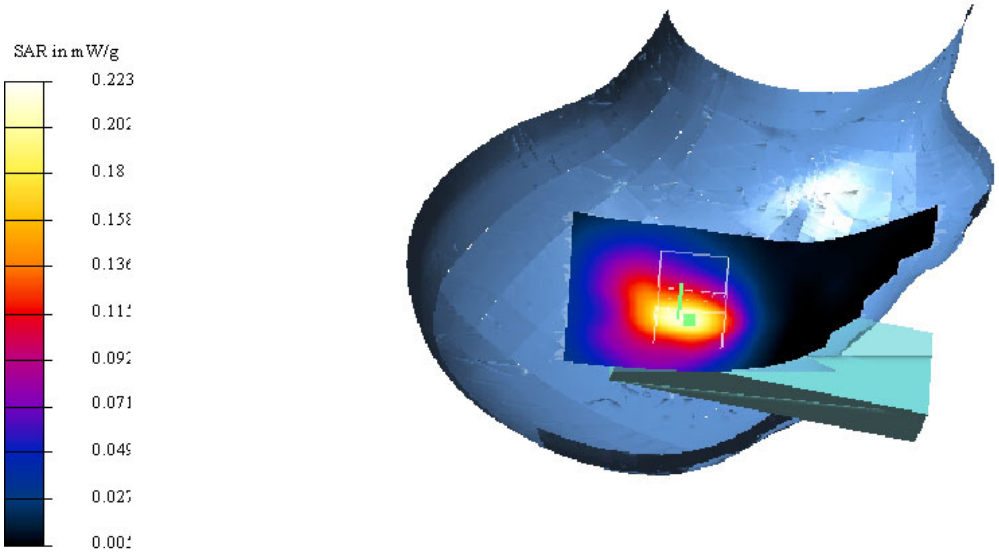

Fig. 16: SAR distribution for slider down, PCS 1900, channel 661, tilted position, right side of head. (18.02.2002; Liquid Temperature: 19.0° C; Ambient Temperature : 21.1° C).

3 SAR Distribution Plots, PCS 1900 Body with Headset

Attached are only the plots for the worst case measurements since the SAR plots are similar.

Test Laboratory: IMST
File Name: upphm_1.da4

DUT: Siemens Type & Serial Number: 004999511602228
Program: Unnamed Program; Unnamed procedure

Communication System: GSM 1900; Frequency: 1880 MHz; Duty Cycle: 1:8
Medium: Body1900 MHz (σ = 1.58 mho/m, ε = 51.8, ρ = 1000 kg/m3)
Phantom section: FlatSection

DASY4 Configuration:
- Probe: ET3DV6 - SN1579; ConvF(4.8, 4.8, 4.8); Calibrated: 03.05.2002
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn335; Calibrated: 15.05.2002
- Phantom: - TP:
- Software: DASY4, V4.0 Build 51

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm
Reference Value = 20.5 V/m
Peak SAR = 1.65 mW/g
SAR(1 g) = 0.634 mW/g; SAR(10 g) = 0.279 mW/g
Power Drift = -0.05 dB
Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm

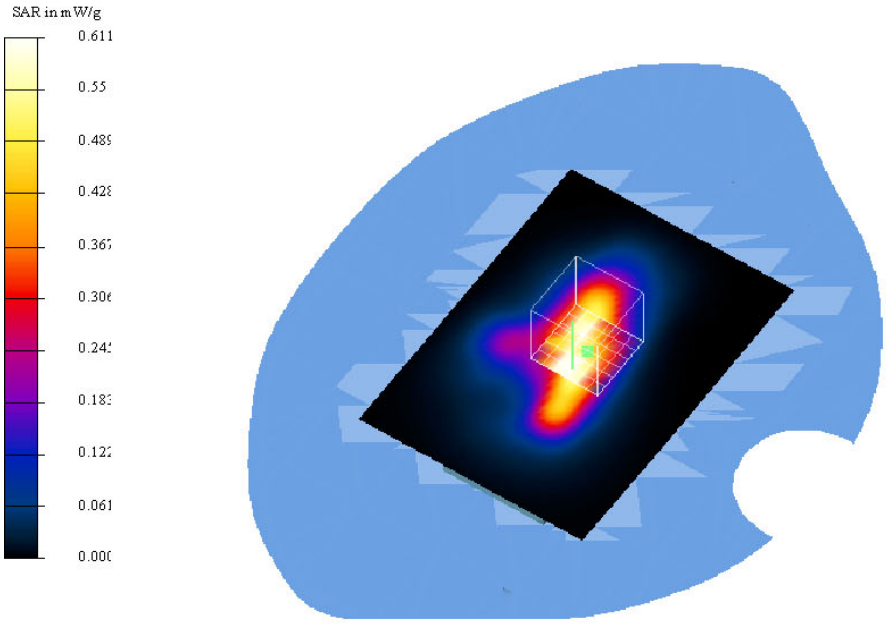

Fig. 17: SAR distribution for slider up, PCS 1900, channel 661, body worn configuration, display towards the ground (19.02.2002; Liquid Temperature: 18.8° C; Ambient Temperature : 20.9° C).

Test Laboratory: IMST
File Name: upphm_3_wdh.da4

DUT: Siemens Type & Serial Number: 004999511602228
Program: Unnamed Program; Unnamed procedure

Communication System: GSM 1900; Frequency: 1880 MHz; Duty Cycle: 1:8
Medium: Body1900 MHz (σ = 1.58 mho/m, ε = 51.8, ρ = 1000 kg/m3)
Phantom section: FlatSection

DASY4 Configuration:
- Probe: ET3DV6 - SN1579; ConvF(4.8, 4.8, 4.8); Calibrated: 03.05.2002
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn335; Calibrated: 15.05.2002
- Phantom: - TP:
- Software: DASY4, V4.0 Build 51

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm
Reference Value = 10.2 V/m
Peak SAR = 0.22 mW/g
SAR(1 g) = 0.15 mW/g; SAR(10 g) = 0.0914 mW/g
Power Drift = 0.04 dB
Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm

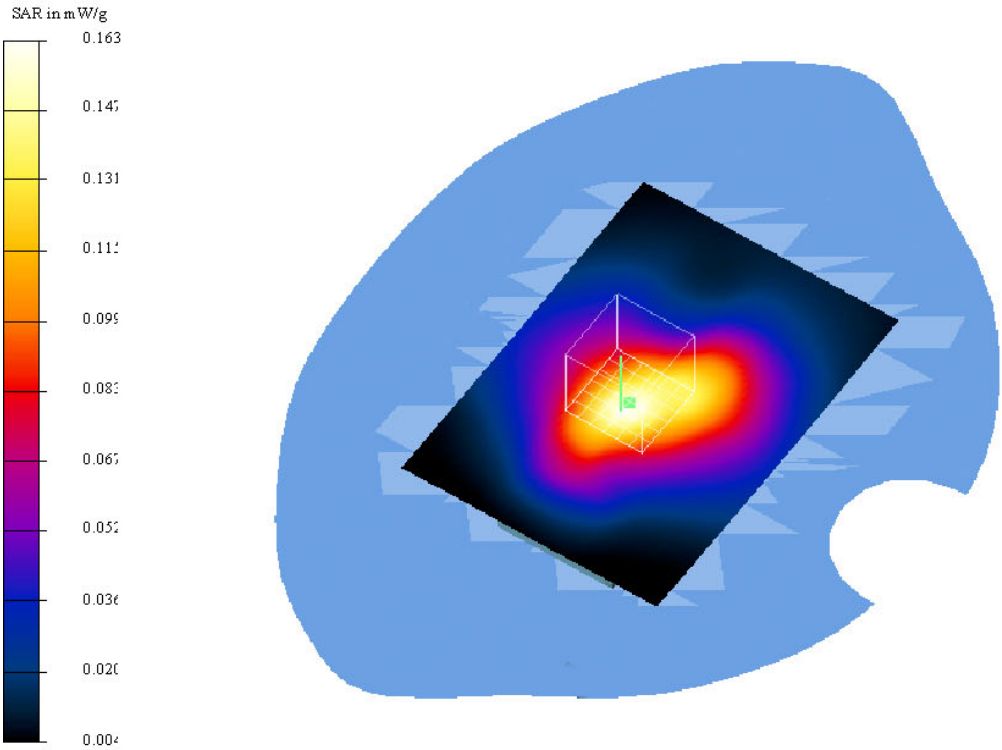

Fig. 18: SAR distribution for slider up, PCS 1900, channel 661, body worn configuration, display towards the phantom (19.02.2002, Liquid Temperature: 18.7° C; Ambient Temperature : 20.5° C).

Test Laboratory: IMST
File Name: dnrphm_1wdh.da4

DUT: Siemens Type & Serial Number: 004999511602228
Program: Unnamed Program; Unnamed procedure

Communication System: GSM 1900; Frequency: 1880 MHz; Duty Cycle: 1:8
Medium: Body1900 MHz (σ = 1.58 mho/m, ε = 51.8, ρ = 1000 kg/m3)
Phantom section: FlatSection

DASY4 Configuration:
- Probe: ET3DV6 - SN1579; ConvF(4.8, 4.8, 4.8); Calibrated: 03.05.2002
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn335; Calibrated: 15.05.2002
- Phantom: - TP:
- Software: DASY4, V4.0 Build 51

Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm
Reference Value = 25.8 V/m
Peak SAR = 1.91 mW/g
SAR(1 g) = 1.11 mW/g; SAR(10 g) = 0.596 mW/g
Power Drift = -0.01 dB
Zoom Scan 3 (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm
Reference Value = 25.8 V/m
Peak SAR = 2.14 mW/g
SAR(1 g) = 1.13 mW/g; SAR(10 g) = 0.58 mW/g
Power Drift = -0.01 dB

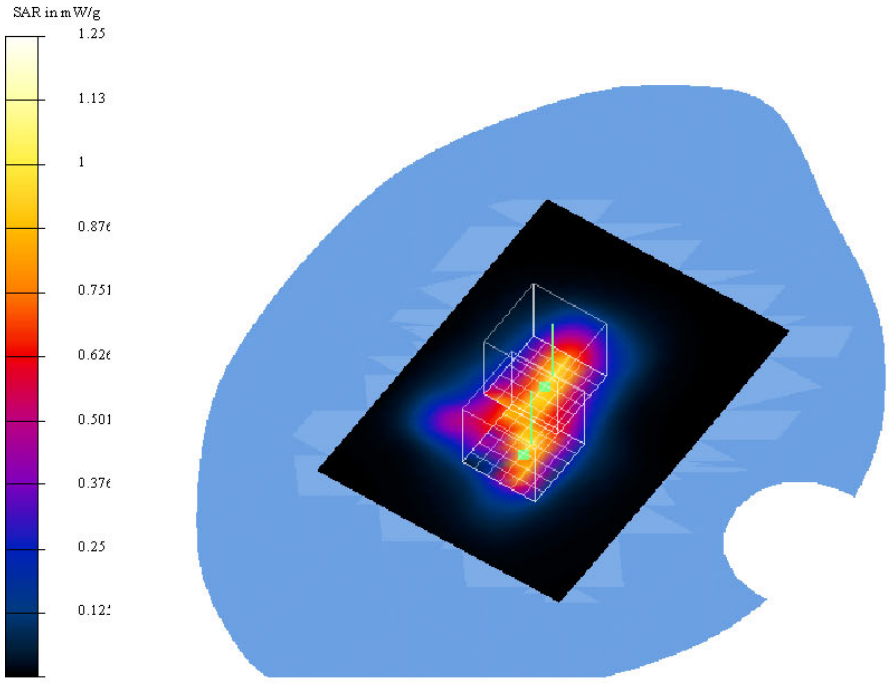

Fig. 19: SAR distribution for slider down, PCS 1900, channel 661, body worn configuration, display towards the ground (19.02.2002, Liquid Temperature: 18.9° C; Ambient Temperature : 20.7° C).

Test Laboratory: IMST
File Name: dnphm_2_wdh.da4

DUT: Siemens Type & Serial Number: 004999511602228
Program: Unnamed Program; Unnamed procedure

Communication System: GSM 1900; Frequency: 1880 MHz; Duty Cycle: 1:8
Medium: Body1900 MHz (σ = 1.58 mho/m, ε = 51.8, ρ = 1000 kg/m3)
Phantom section: FlatSection

DASY4 Configuration:
- Probe: ET3DV6 - SN1579; ConvF(4.8, 4.8, 4.8); Calibrated: 03.05.2002
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn335; Calibrated: 15.05.2002
- Phantom: - TP:
- Software: DASY4, V4.0 Build 51

Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm
Reference Value = 10.1 V/m
Peak SAR = 0.263 mW/g
SAR(1 g) = 0.137 mW/g; SAR(10 g) = 0.0724 mW/g
Power Drift = -0.05 dB
Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm
Reference Value = 10.1 V/m
Peak SAR = 0.24 mW/g
SAR(1 g) = 0.143 mW/g; SAR(10 g) = 0.0889 mW/g
Power Drift = -0.05 dB

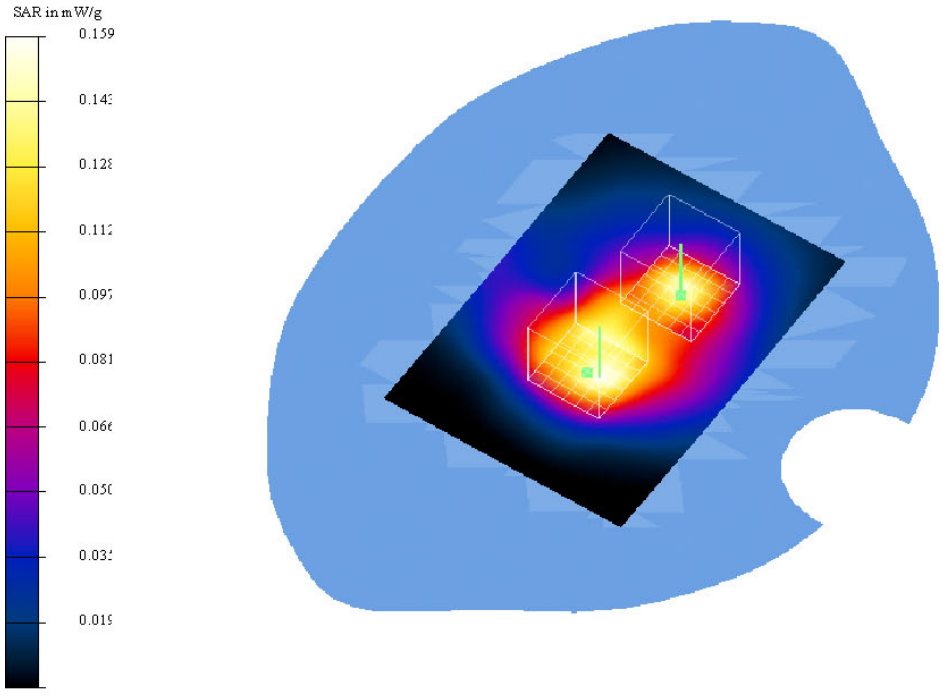

Fig. 20: SAR distribution for slider down, PCS 1900, channel 661, body worn configuration, display towards the phantom (20.02.2002, Liquid Temperature: 18.8° C; Ambient Temperature : 20.8° C).

4 SAR Distribution Plots, PCS 1900 Body with Datacable

Attached are only the plots for the worst case measurements since the SAR plots are similar.

Test Laboratory: IMST
File Name: dndphl_1.da4

DUT: Siemens Type & Serial Number: 004999511602228
Program: Unnamed Program; Unnamed procedure

Communication System: GSM 1900; Frequency: 1850.2 MHz; Duty Cycle: 1:8
Medium: Body1900 MHz (σ = 1.58 mho/m, ε = 51.8, ρ = 1000 kg/m3)
Phantom section: FlatSection

DASY4 Configuration:
- Probe: ET3DV6 - SN1579; ConvF(4.8, 4.8, 4.8); Calibrated: 03.05.2002
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn335; Calibrated: 15.05.2002
- Phantom: - TP:
- Software: DASY4, V4.0 Build 51

Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm
Reference Value = 29 V/m
Peak SAR = 2.35 mW/g
SAR(1 g) = 1.12 mW/g; SAR(10 g) = 0.591 mW/g
Power Drift = -0.002 dB

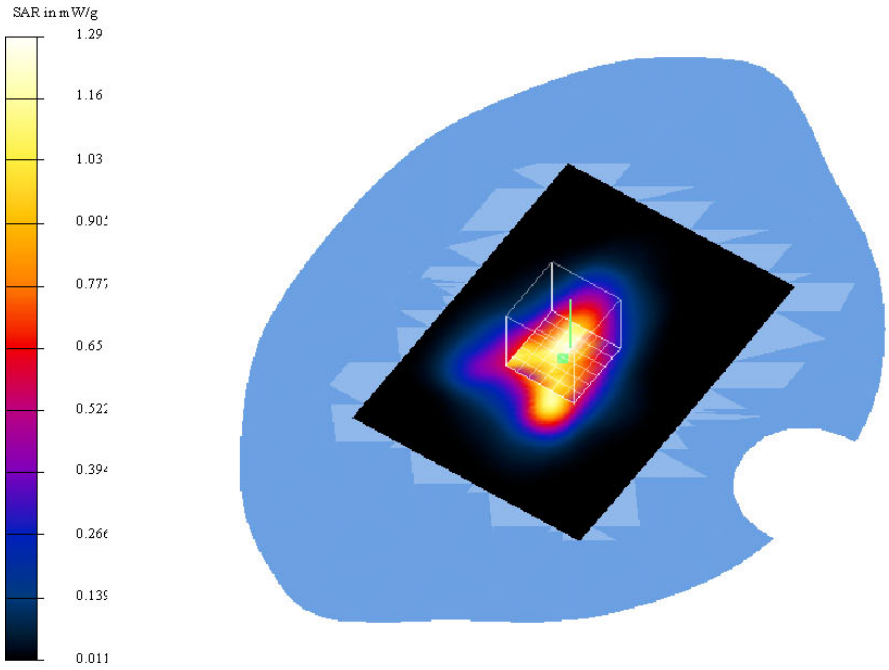

Fig. 21: SAR distribution for slider down, PCS 1900, channel 512, body worn configuration, display towards the ground (20.02.2002, Liquid Temperature: 19.5° C; Ambient Temperature : 21.5° C).

Test Laboratory: IMST
File Name: updphm_3.da4

DUT: Siemens Type & Serial Number: 004999511602228
Program: Unnamed Program; Unnamed procedure

Communication System: GSM 1900; Frequency: 1880 MHz; Duty Cycle: 1:8
Medium: Body1900 MHz (σ = 1.58 mho/m, ε = 51.8, ρ = 1000 kg/m3)
Phantom section: FlatSection

DASY4 Configuration:
- Probe: ET3DV6 - SN1579; ConvF(4.8, 4.8, 4.8); Calibrated: 03.05.2002
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn335; Calibrated: 15.05.2002
- Phantom: - TP:
- Software: DASY4, V4.0 Build 51

Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm
Reference Value = 10.5 V/m
Peak SAR = 0.222 mW/g
SAR(1 g) = 0.151 mW/g; SAR(10 g) = 0.0969 mW/g
Power Drift = -0.09 dB

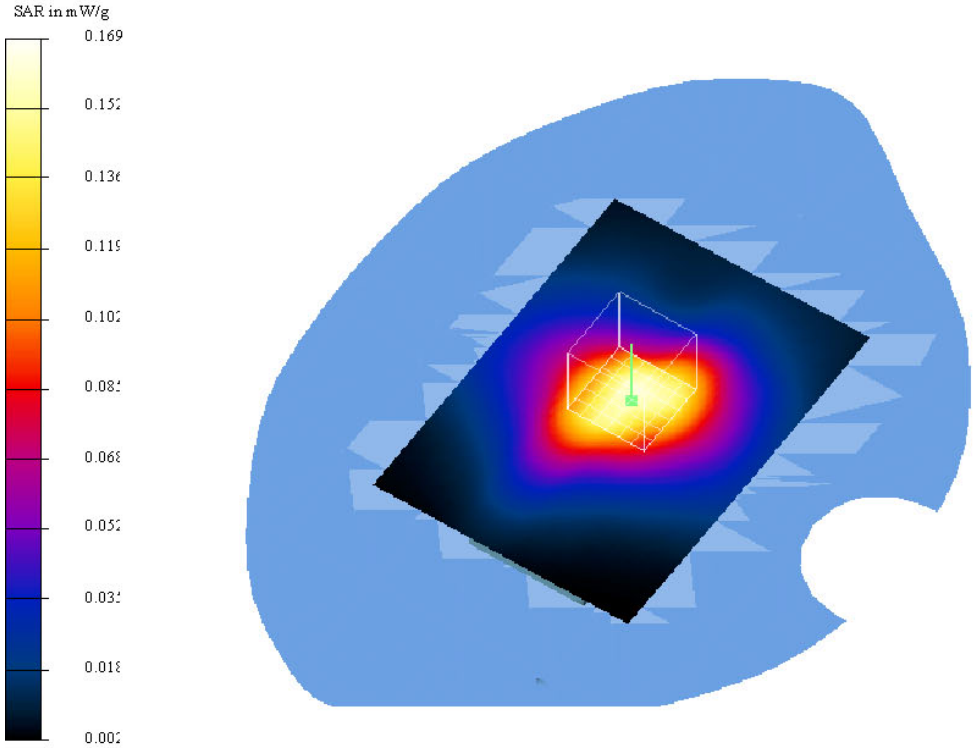

Fig. 22: SAR distribution for slider up, PCS 1900, channel 661, body worn configuration, display towards the phantom (20.02.2002, Liquid Temperature: 19.5° C; Ambient Temperature : 21.6° C).

5 SAR z-axis scans (Validation)

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

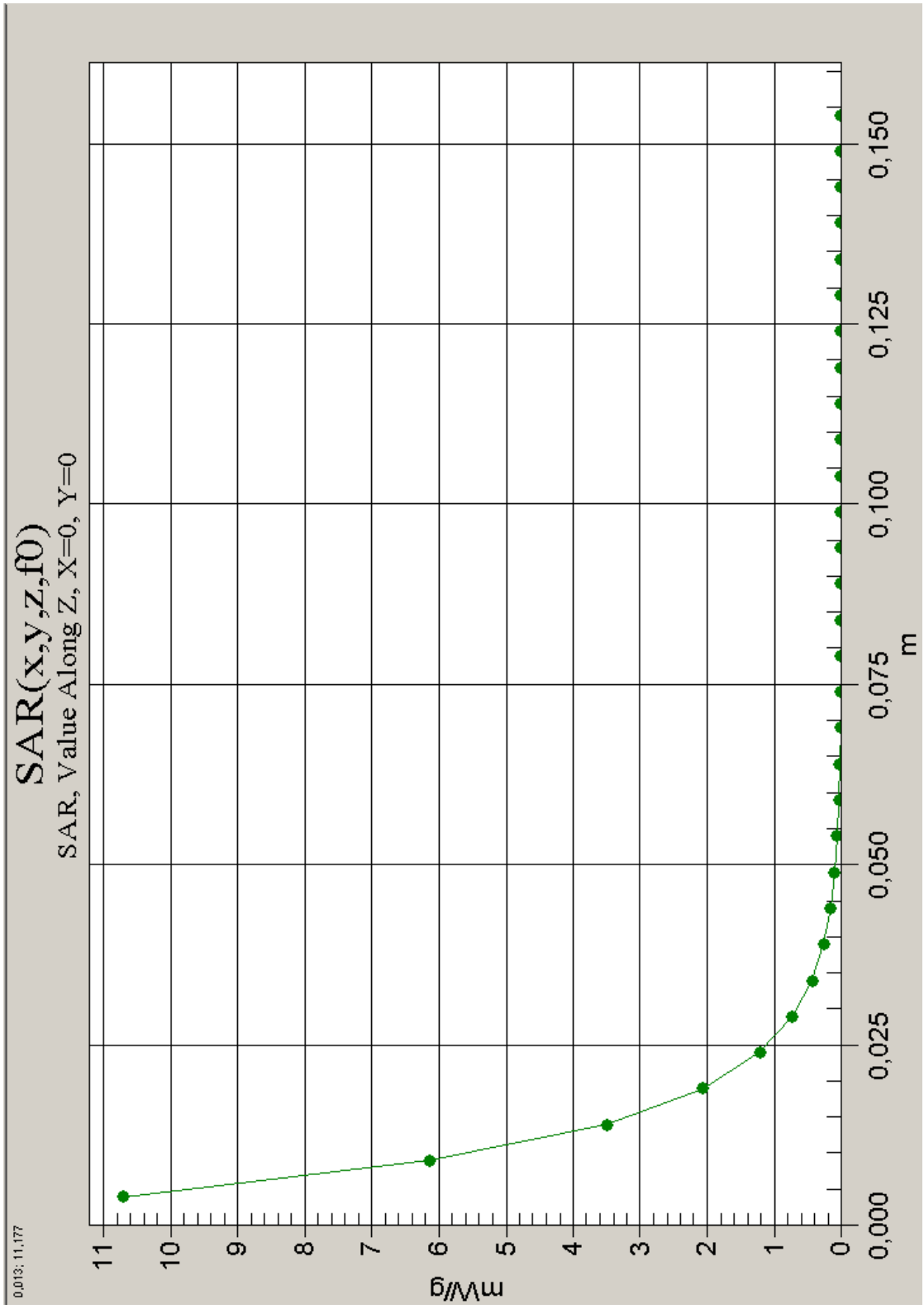

Fig. 23: SAR versus liquid depth, 1900 MHz, head (18.02.2002, Liquid Temperature: 19.1° C; Ambient Temperature : 20.7° C).

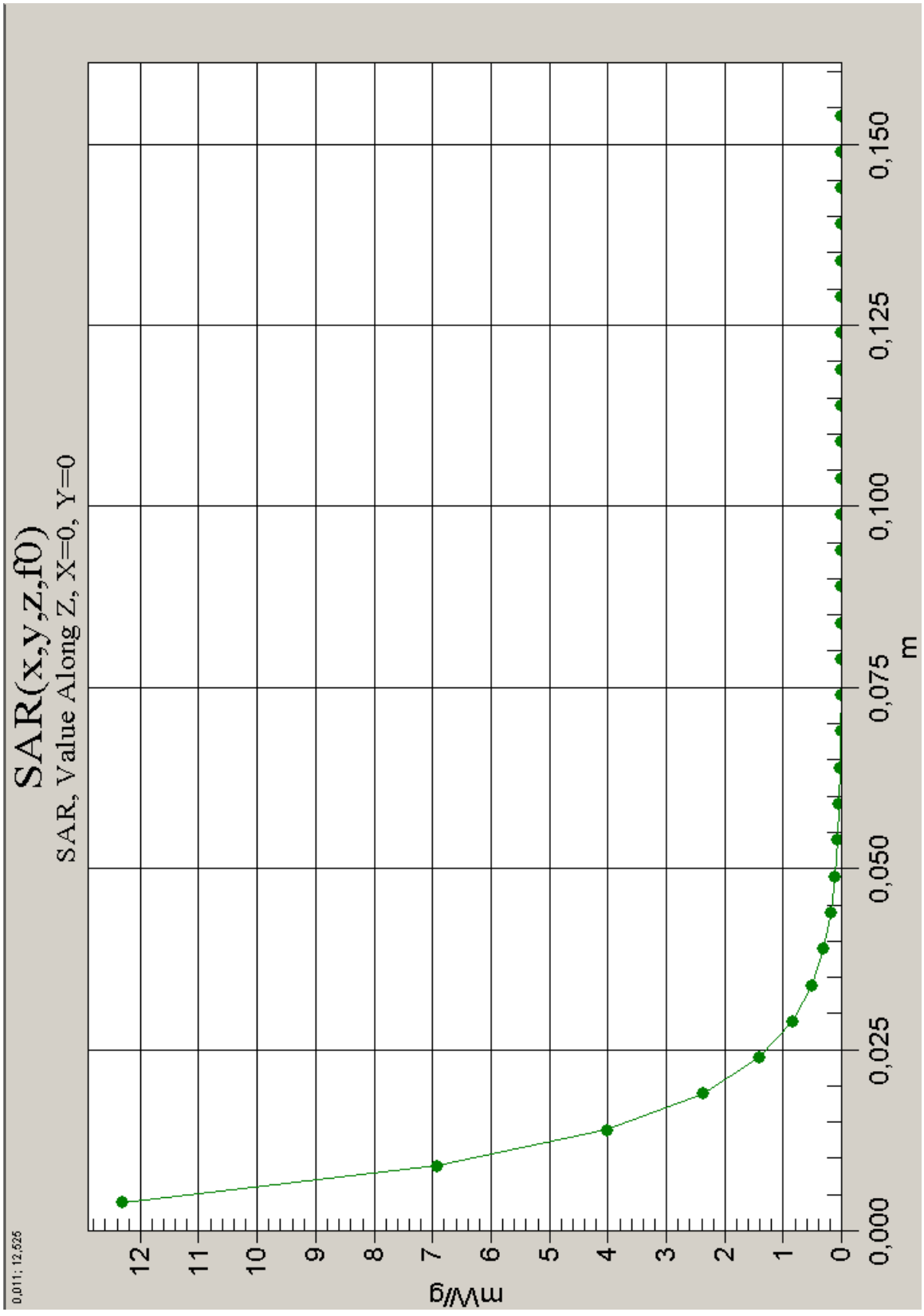

Fig. 24: SAR versus liquid depth, 1900 MHz, body (19.02.2002; Liquid Temperature: 18.9° C; Ambient Temperature : 20.7° C).

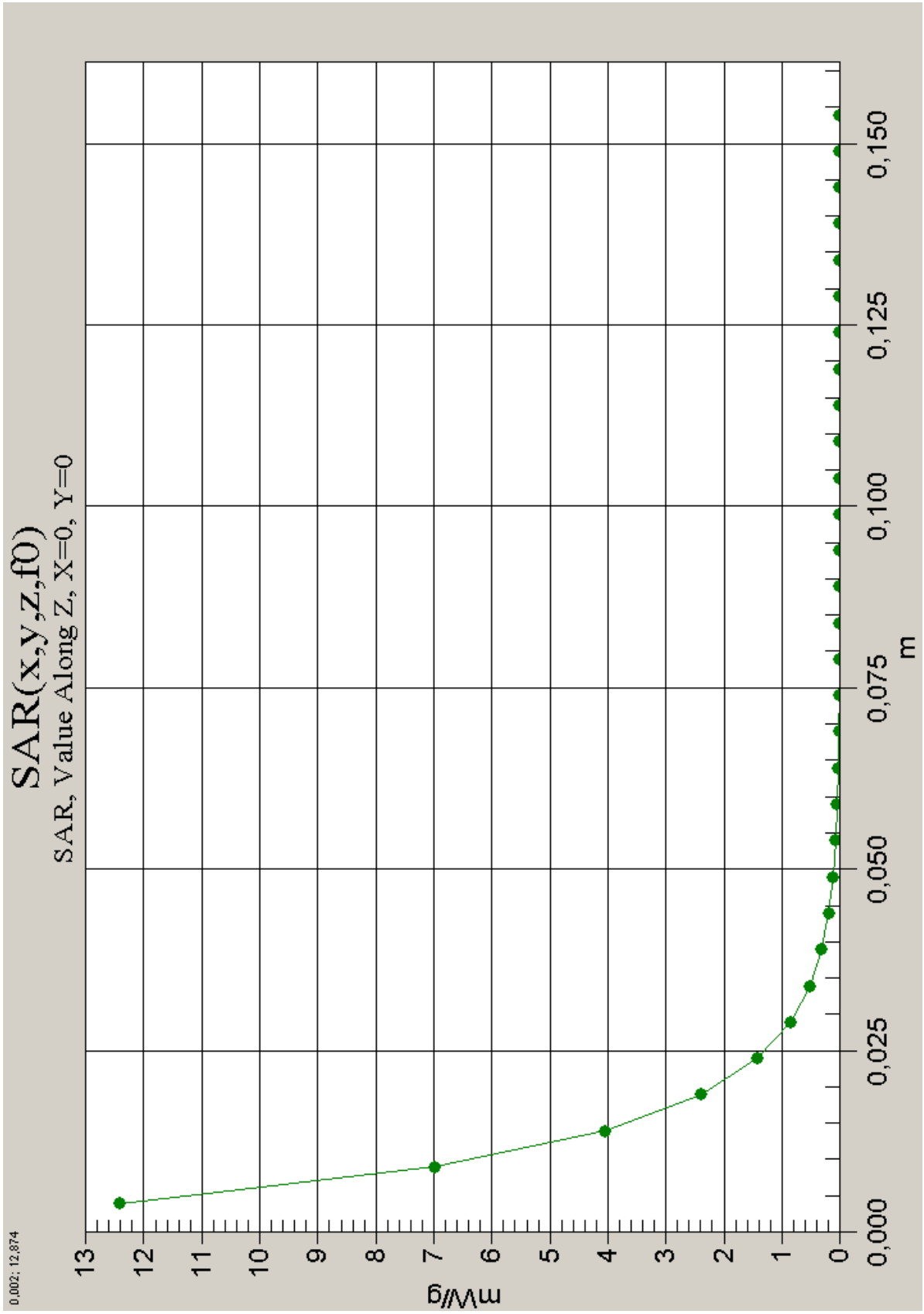

Fig. 25: SAR versus liquid depth, 1900 MHz, body (20.02.2002; Liquid Temperature: 18.9° C; Ambient Temperature : 20.7° C).

6 SAR z-axis scans (Measurements)

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

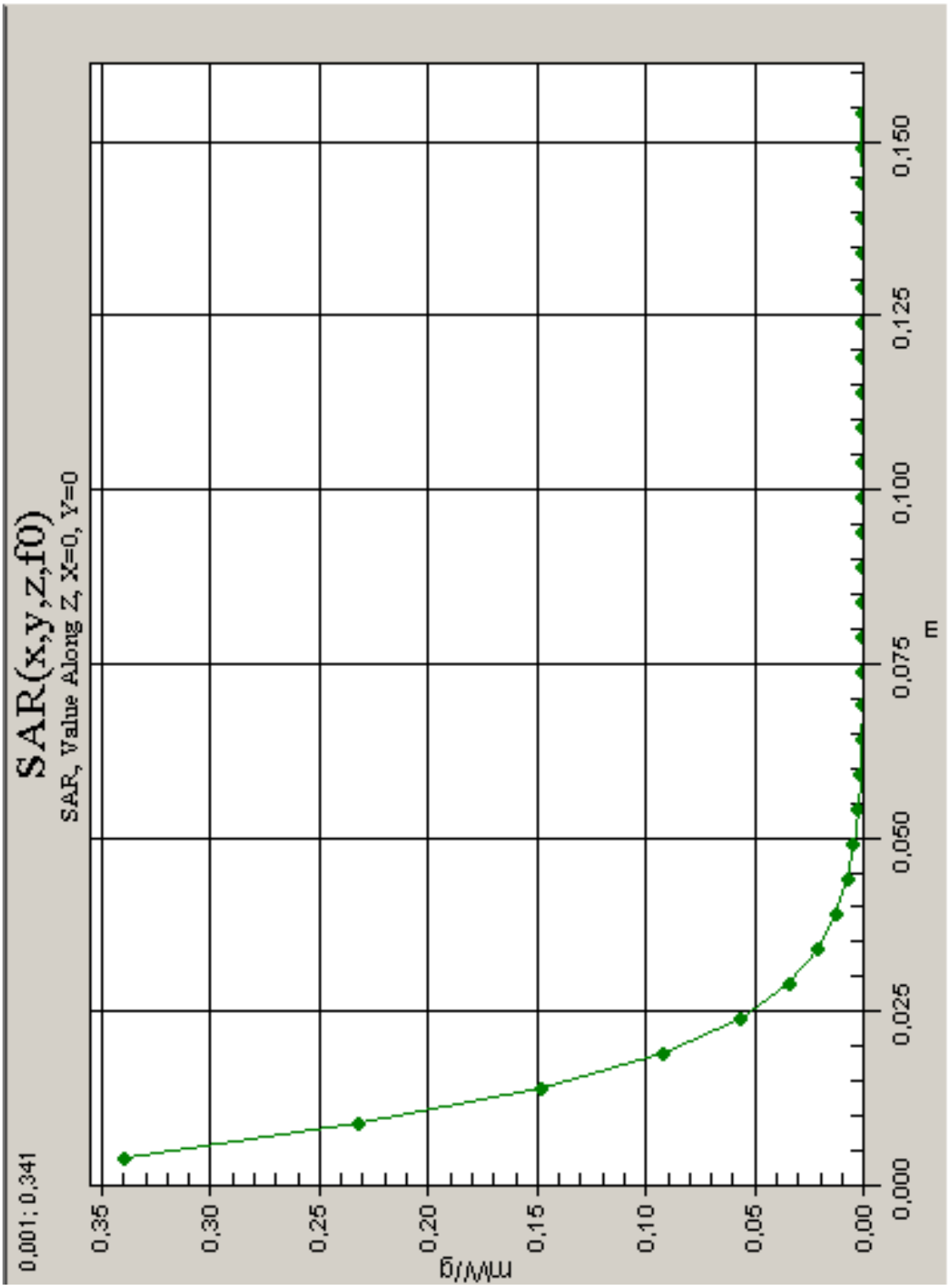

Fig. 26: SAR versus liquid depth, head: with QuickPic camera and slider down , PCS 1900, channel 661, cheek position, right side of head. (18.02.2002, Liquid Temperature: 19.0° C; Ambient Temperature : 21.1° C).

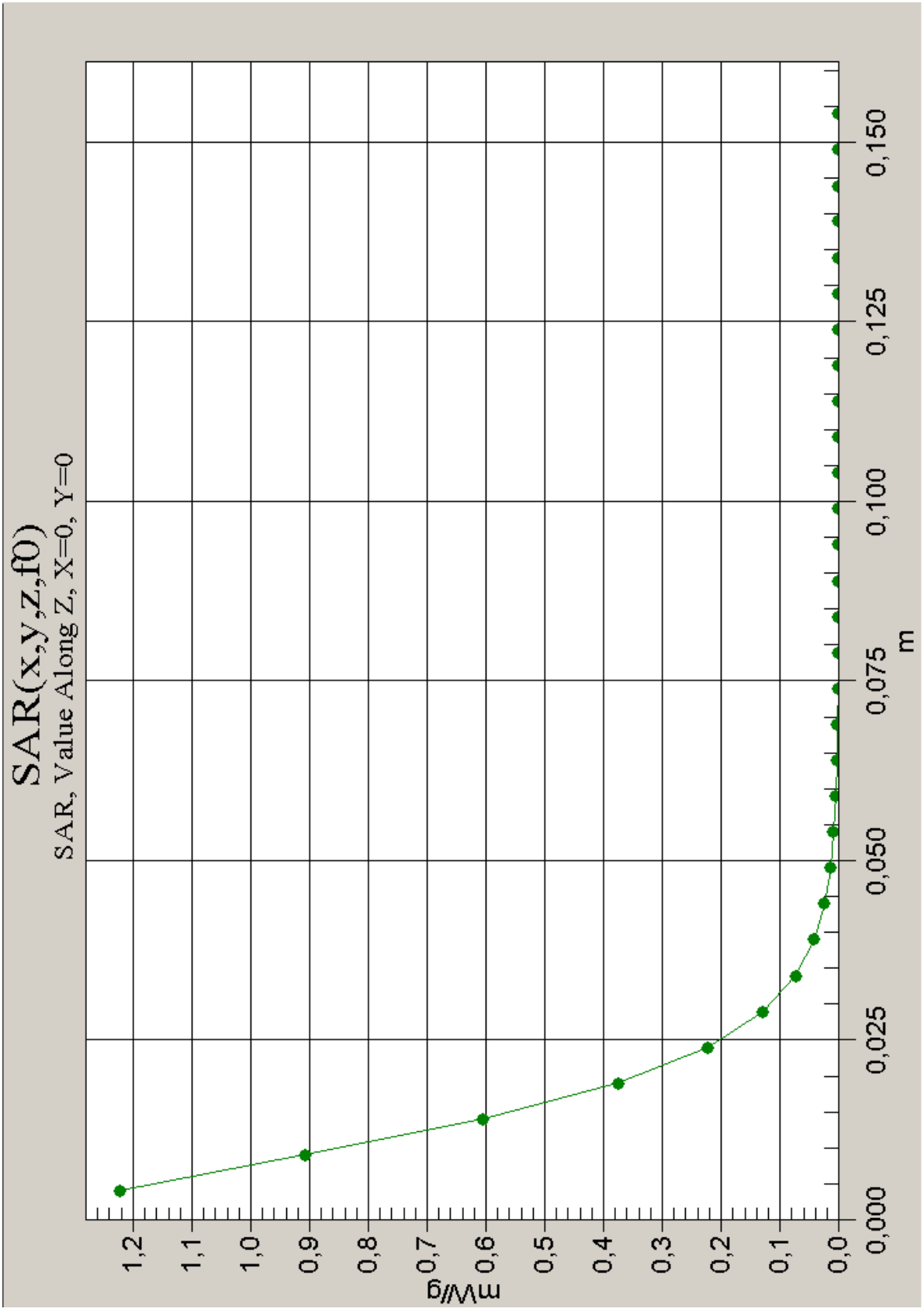

Fig. 27: SAR versus liquid depth: headset, slider down, PCS 1900, channel 661, body worn configuration, display towards the ground (19.02.2002, Liquid Temperature: 18.9° C; Ambient Temperature : 20.7° C).