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Appendix for the Report

Dosimetric Assessment of the Portable Device Amyuni DBLDEV1 (FCC ID: ZTVDBLDEV1) (IC: 9796A-DBLDEV1)

According to the FCC and IC Requirements SAR Distribution Plots

October 17, 2011

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The test results only relate to the items tested. This report shall not be reproduced except in full without the written approval of the testing laboratory.

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1 SAR Distribution Plots, IEEE 802.11 b/g Body

Test Laboratory: Imst GmbH, DASY Yellow (II); File Name:

[AMYUNI_ywhm_1_CH6_b_dspl_down.da4](#)

DUT: AMYUNI; Type: DBLDEV1; Serial: DBLDEV2010100000B8

Program Name: IEEE 802.11 b

Communication System: WLAN 2450; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2437$ MHz; $\sigma = 2.01$ mho/m; $\epsilon_r = 52.1$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3536; ConvF(7.48, 7.48, 7.48); Calibrated: 16.09.2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn631; Calibrated: 17.09.2010
- Phantom: SAM Glycol 1340; Type: QD 000 P40 CB; Serial: TP-1340
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Body Worn/Area Scan (8x11x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.287 mW/g

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

Reference Value = 12.1 V/m; Power Drift = 0.170 dB

Peak SAR (extrapolated) = 0.914 W/kg

SAR(1 g) = 0.305 mW/g; SAR(10 g) = 0.105 mW/g

Maximum value of SAR (measured) = 0.359 mW/g

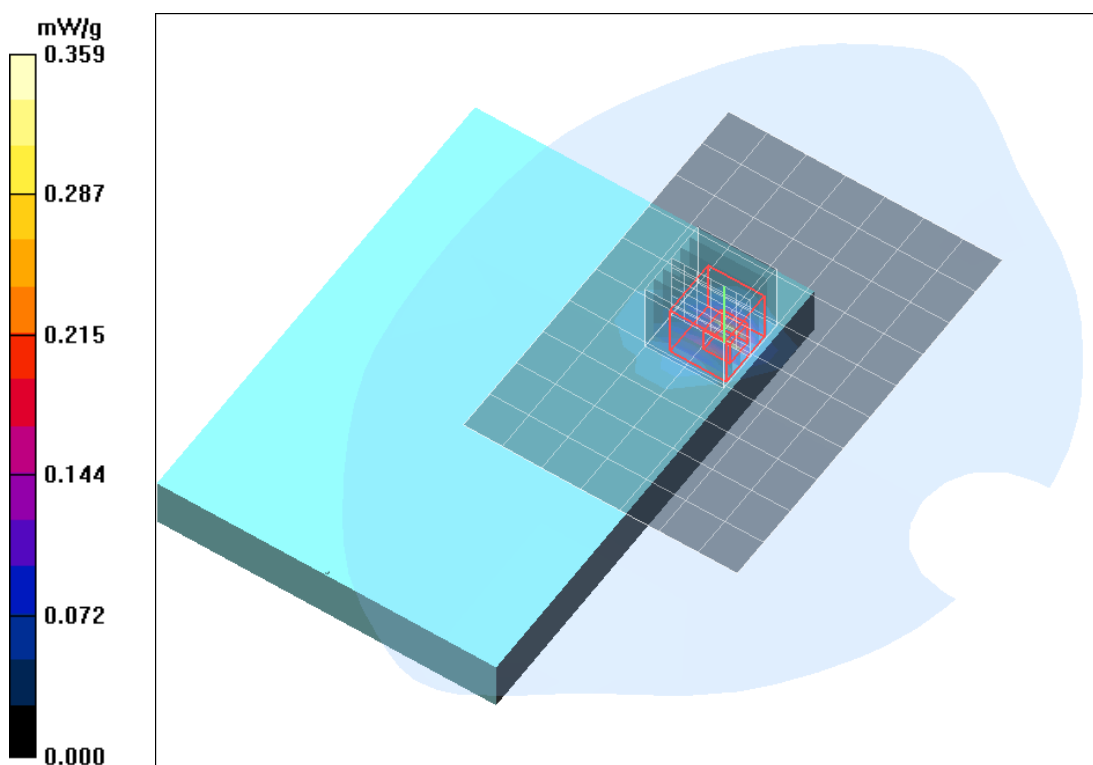


Fig. 1: SAR distribution for IEEE 802.11 b, channel 6, position 1, (May 20, 2011; Ambient Temperature: 21.9° C; Liquid Temperature: 21.6° C).

Test Laboratory: Imst GmbH, DASY Yellow (II); File Name: [AMYUNI_ywhm_2_CH6_b_dspl_up.da4](#)

DUT: AMYUNI; Type: DBLDEV1; Serial: DBLDEV2010100000B8

Program Name: IEEE 802.11 b

Communication System: WLAN 2450; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2437$ MHz; $\sigma = 2.01$ mho/m; $\epsilon_r = 52.1$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3536; ConvF(7.48, 7.48, 7.48); Calibrated: 16.09.2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn631; Calibrated: 17.09.2010
- Phantom: SAM Glycol 1340; Type: QD 000 P40 CB; Serial: TP-1340
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Body Worn/Area Scan (8x11x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.003 mW/g

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

Reference Value = 0.847 V/m; Power Drift = -0.110 dB

Peak SAR (extrapolated) = 0.013 W/kg

SAR(1 g) = 0.00218 mW/g; SAR(10 g) = 0.000943 mW/g

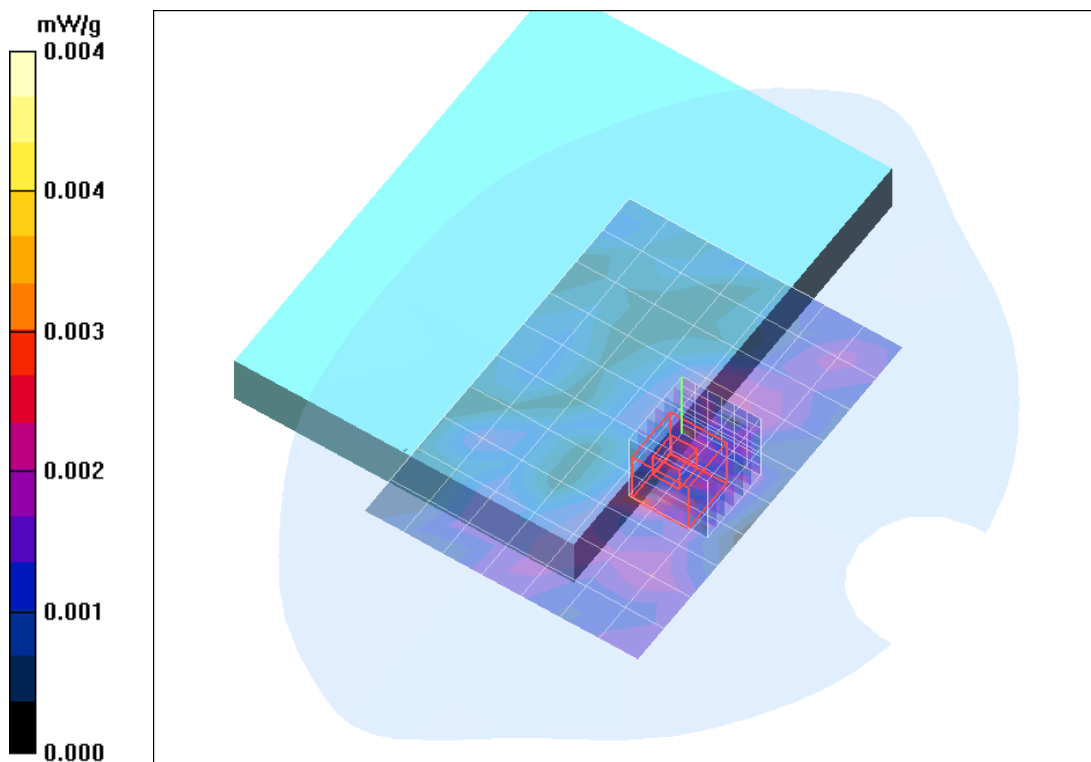


Fig. 2: SAR distribution for IEEE 802.11 b, channel 6, position 2, (May 20, 2011; Ambient Temperature: 21.9° C; Liquid Temperature: 21.6° C).

Test Laboratory: Imst GmbH, DASY Yellow (II); File Name: [AMYUNI_ywhm_3_CH6_b_side.da4](#)

DUT: AMYUNI; Type: DBLDEV1; Serial: DBLDEV2010100000B8

Program Name: IEEE 802.11 b

Communication System: WLAN 2450; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2437$ MHz; $\sigma = 2.01$ mho/m; $\epsilon_r = 52.1$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3536; ConvF(7.48, 7.48, 7.48); Calibrated: 16.09.2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn631; Calibrated: 17.09.2010
- Phantom: SAM Glycol 1340; Type: QD 000 P40 CB; Serial: TP-1340
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Body Worn/Area Scan (7x12x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.010 mW/g

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

Reference Value = 2.30 V/m; Power Drift = -0.114 dB

Peak SAR (extrapolated) = 0.040 W/kg

SAR(1 g) = 0.013 mW/g; SAR(10 g) = 0.00498 mW/g

Maximum value of SAR (measured) = 0.016 mW/g

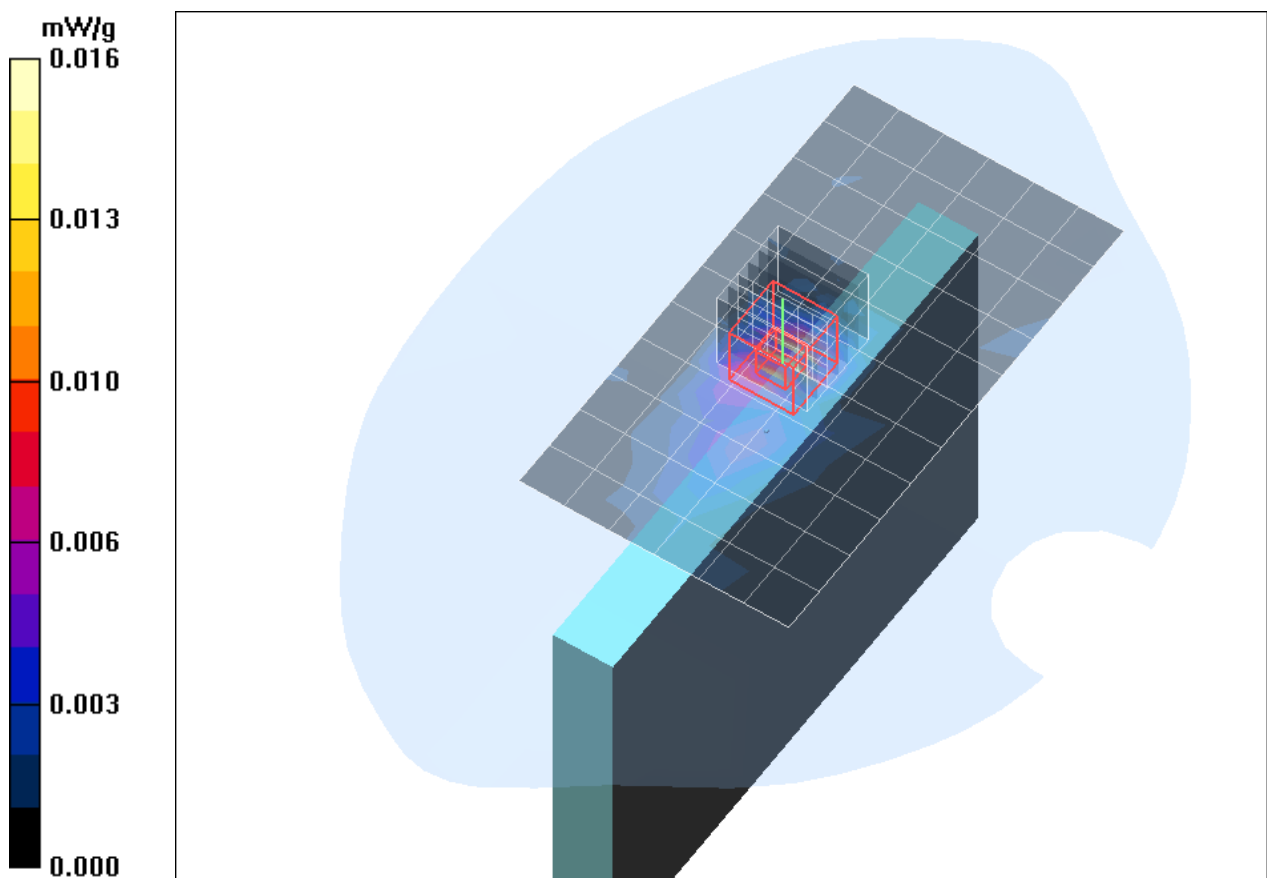


Fig. 3: SAR distribution for IEEE 802.11 b, channel 6, position 3, (May 20, 2011; Ambient Temperature: 21.9° C; Liquid Temperature: 21.6° C).

Test Laboratory: Imst GmbH, DASY Yellow (II); File Name:

[AMYUNI_ywhm_1_CH6_g_dspl_down.da4](#)

DUT: AMYUNI; Type: DBLDEV1; Serial: DBLDEV2010100000B8

Program Name: IEEE 802.11 g

Communication System: WLAN 2450; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2437$ MHz; $\sigma = 2.01$ mho/m; $\epsilon_r = 52.1$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3536; ConvF(7.48, 7.48, 7.48); Calibrated: 16.09.2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn631; Calibrated: 17.09.2010
- Phantom: SAM Glycol 1340; Type: QD 000 P40 CB; Serial: TP-1340
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Body Worn/Area Scan (8x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.020 mW/g

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

Reference Value = 3.14 V/m; Power Drift = 0.136 dB

Peak SAR (extrapolated) = 0.170 W/kg

SAR(1 g) = 0.050 mW/g; SAR(10 g) = 0.017 mW/g

Maximum value of SAR (measured) = 0.058 mW/g

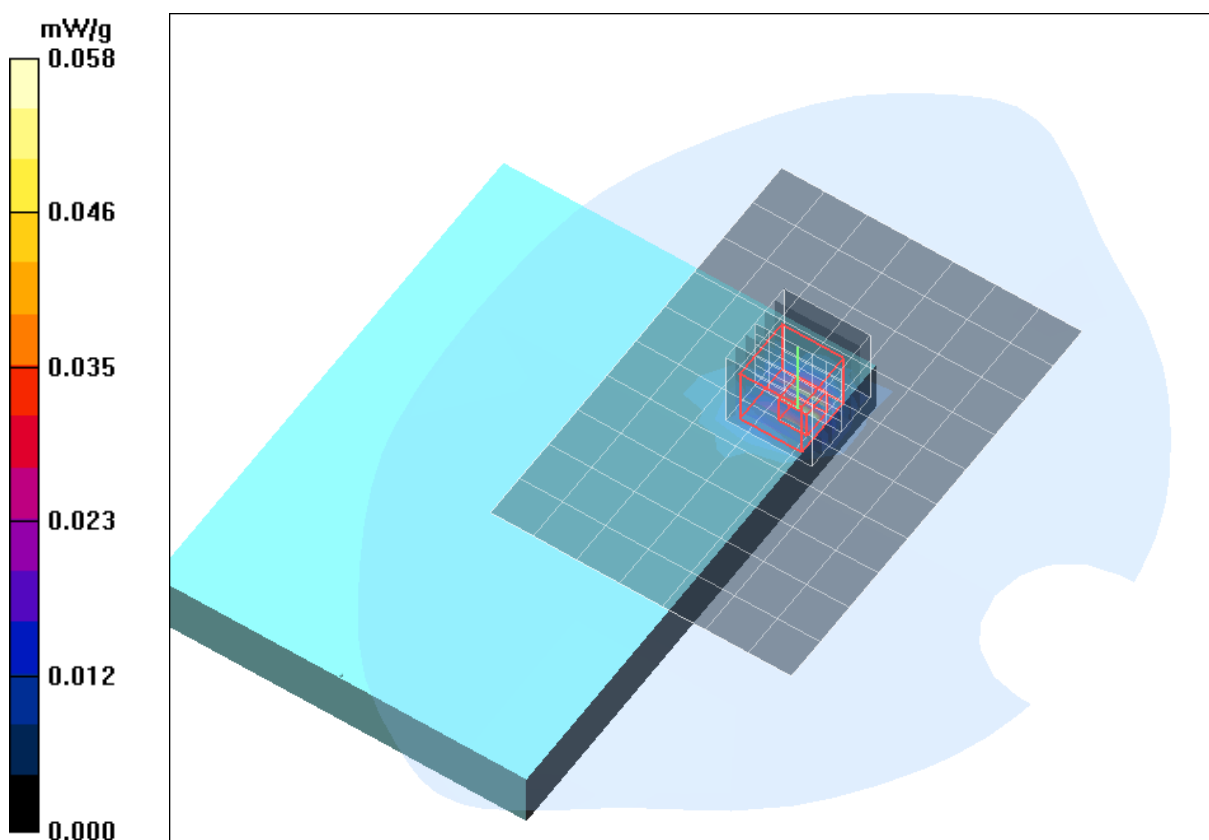


Fig. 4: SAR distribution for IEEE 802.11 g in worst case configuration, channel 6, position 1, (May 20, 2011; Ambient Temperature: 21.9° C; Liquid Temperature: 21.6° C).

2 SAR Z-axis Scans (Validation)

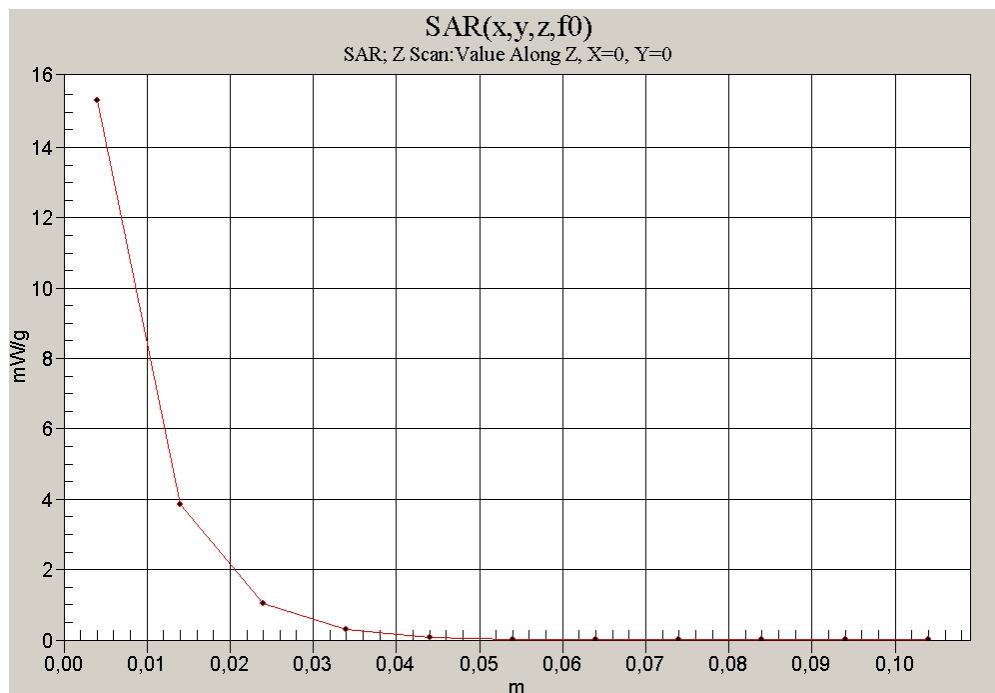


Fig. 5: SAR versus liquid depth, 2450 MHz, body (May 20, 2011; Ambient Temperature: 21.9° C; Liquid Temperature: 21.6° C).

3 SAR Z-axis Scans (Measurements)

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

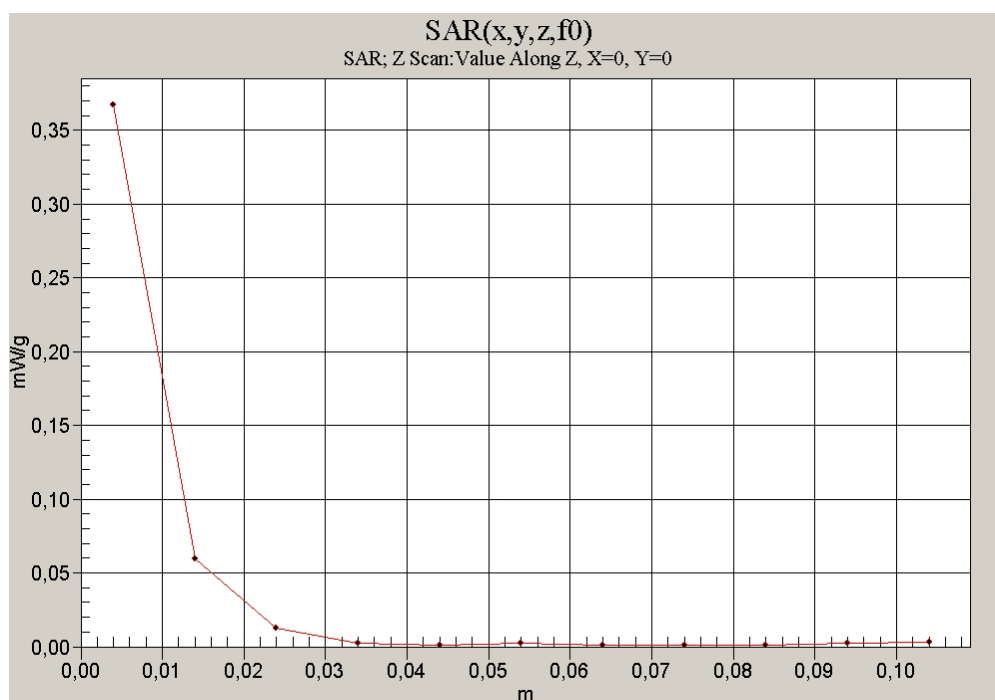


Fig. 6: SAR versus liquid depth, head: IEEE 802.11 b, channel 6, position 1, (May 20, 2011; Ambient Temperature: 22.1° C; Liquid Temperature : 21.8° C).