The Testcenter facility 'Dosimetric Test Lab' within IMST GmbH is accredited by the German National 'Deutsche Akkreditierungsstelle GmbH (DAkkS)' for testing according to the scope as listed in the accreditation certificate: D-PL-12139-01-01.

Appendix for the Report

Dosimetric Assessment of the Portable Device Avaya D160 (FCC ID: AMWUP683R) (IC: 513C-UP683)

According to the FCC Requirements SAR Distribution Plots

June 15, 2012

IMST GmbH

Carl-Friedrich-Gauß-Str. 2

D-47475 Kamp-Lintfort

Customer

TRaC

Unit E, South Orbital Trading Park,

Hedon Road, Hull

HU9 1NJ, UK

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, Head Measurement

Test Laboratory: Imst GmbH, DASY Yellow (II); File Name: 160_yDlm_1.da4

DUT: Avaya D160;
Program Name: Cheek Left

Communication System: DECT US; Frequency: 1924.99 MHz;Duty Cycle: 1:24
Medium parameters used: f = 1924.99 MHz; σ = 1.45 mho/m; ε_r = 40.3; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY4 Configuration:
- Probe: ET3DV6R - SN1579; ConvF(5.13, 5.13, 5.13); Calibrated: 25.01.2012
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn335; Calibrated: 20.02.2012
- 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

Cheek Left/Area Scan (7x13x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.002 mW/g
Cheek Left/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 1.20 V/m; Power Drift = 0.041 dB
Peak SAR (extrapolated) = 0.004 W/kg
SAR(1 g) = 0.002 mW/g; SAR(10 g) = 0.000985 mW/g

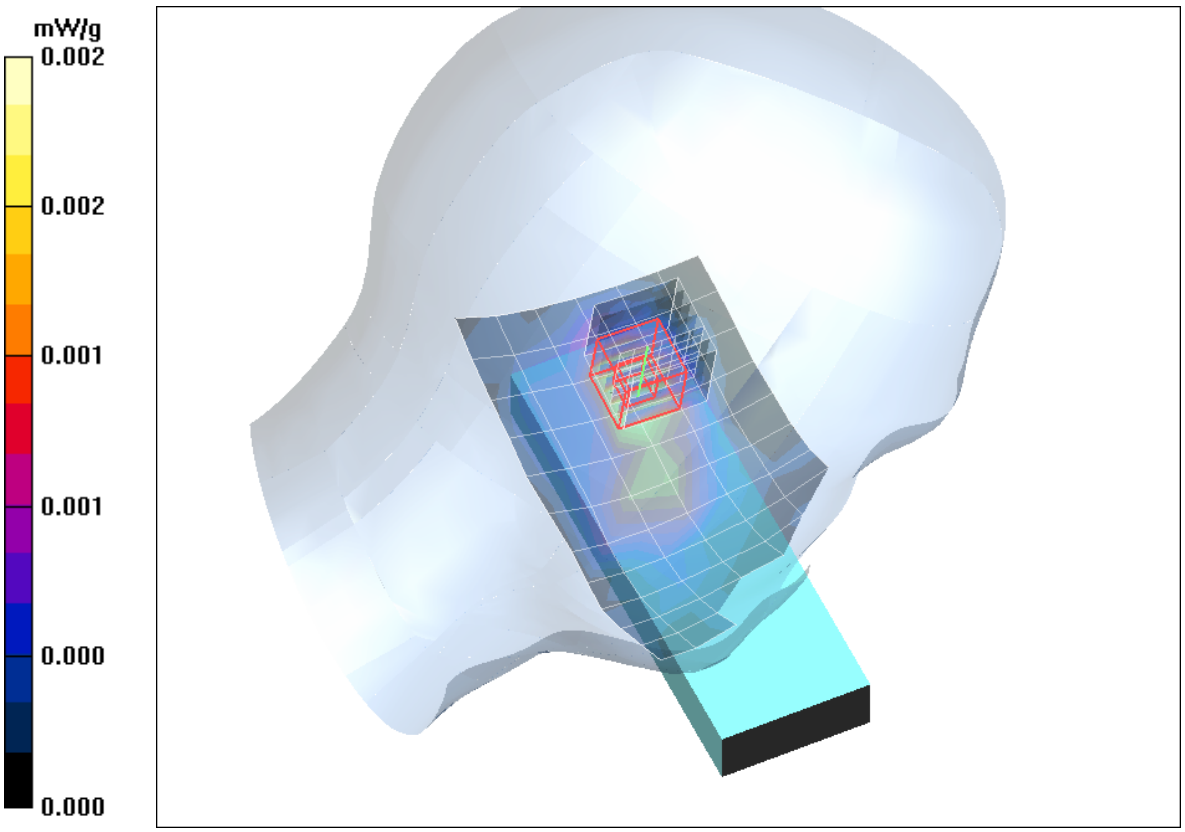

Fig. 1: SAR distribution for DECT US, channel 2, cheek position, left side of head, (May 29, 2012; Ambient Temperature: 22.0°C; Liquid Temperature: 21.8°C).

Test Laboratory: Imst GmbH, DASY Yellow (II); File Name: 160_yDlm_2.da4

DUT: Avaya D160;
Program Name: Cheek Left

Communication System: DECT US; Frequency: 1924.99 MHz;Duty Cycle: 1:24
Medium parameters used: f = 1924.99 MHz; σ = 1.45 mho/m; ε_r = 40.3; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY4 Configuration:
- Probe: ET3DV6R - SN1579; ConvF(5.13, 5.13, 5.13); Calibrated: 25.01.2012
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn335; Calibrated: 20.02.2012
- 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

Tilted Left/Area Scan (7x13x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.020 mW/g
Tilted Left/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 3.94 V/m; Power Drift = -0.179 dB
Peak SAR (extrapolated) = 0.055 W/kg
SAR(1 g) = 0.018 mW/g; SAR(10 g) = 0.00836 mW/g
Maximum value of SAR (measured) = 0.021 mW/g

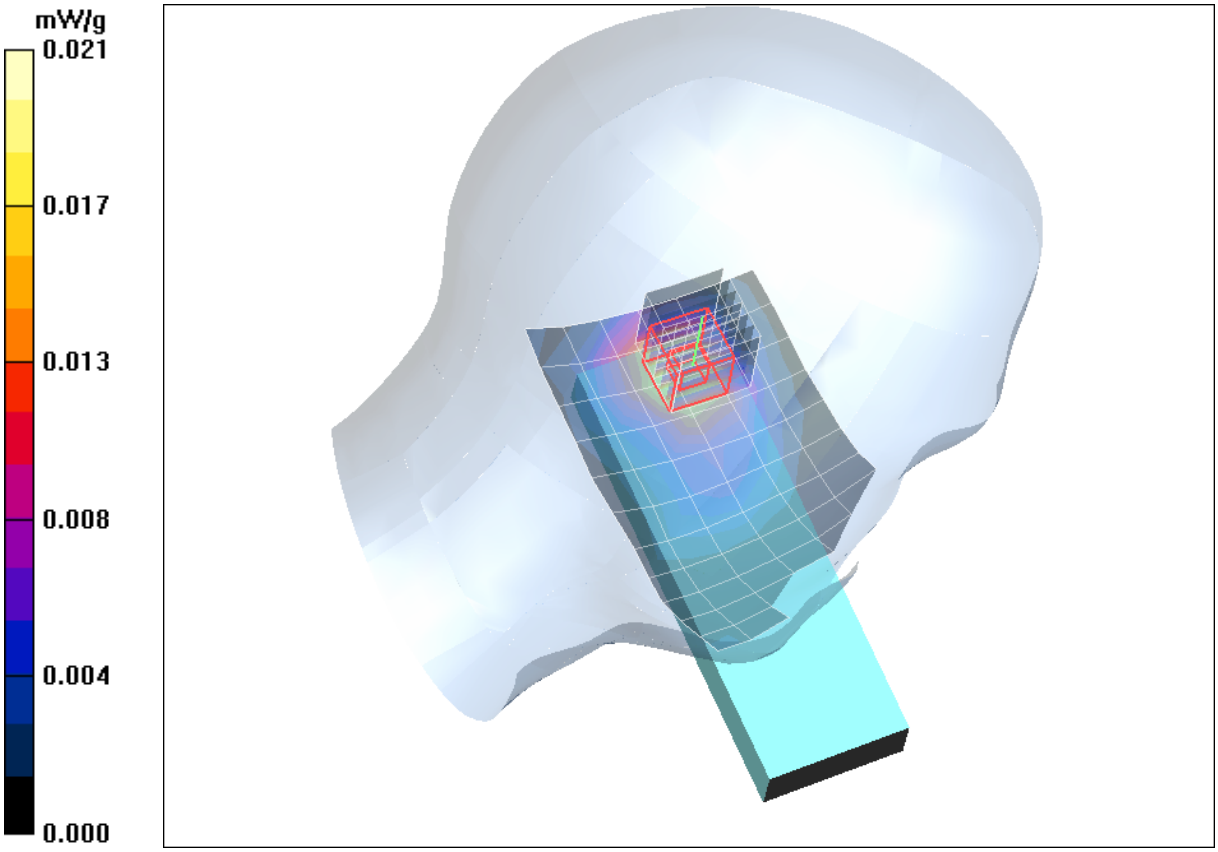

Fig. 2: SAR distribution for DECT US, channel 2, tilted position, left side of head, (May 29, 2012; Ambient Temperature: 22.0°C; Liquid Temperature: 21.8°C).

Test Laboratory: Imst GmbH, DASY Yellow (II); File Name: 160_yDrm_1.da4

DUT: Avaya D160;
Program Name: Cheek Right

Communication System: DECT US; Frequency: 1924.99 MHz;Duty Cycle: 1:24
Medium parameters used: f = 1924.99 MHz; σ = 1.45 mho/m; ε_r = 40.3; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY4 Configuration:
- Probe: ET3DV6R - SN1579; ConvF(5.13, 5.13, 5.13); Calibrated: 25.01.2012
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn335; Calibrated: 20.02.2012
- 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

Cheek Right/Area Scan (7x13x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.021 mW/g
Cheek Right/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 3.94 V/m; Power Drift = -0.148 dB
Peak SAR (extrapolated) = 0.031 W/kg
SAR(1 g) = 0.018 mW/g; SAR(10 g) = 0.0099 mW/g
Maximum value of SAR (measured) = 0.020 mW/g
Cheek Right/Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 3.94 V/m; Power Drift = -0.148 dB
Peak SAR (extrapolated) = 0.032 W/kg
SAR(1 g) = 0.017 mW/g; SAR(10 g) = 0.0099 mW/g

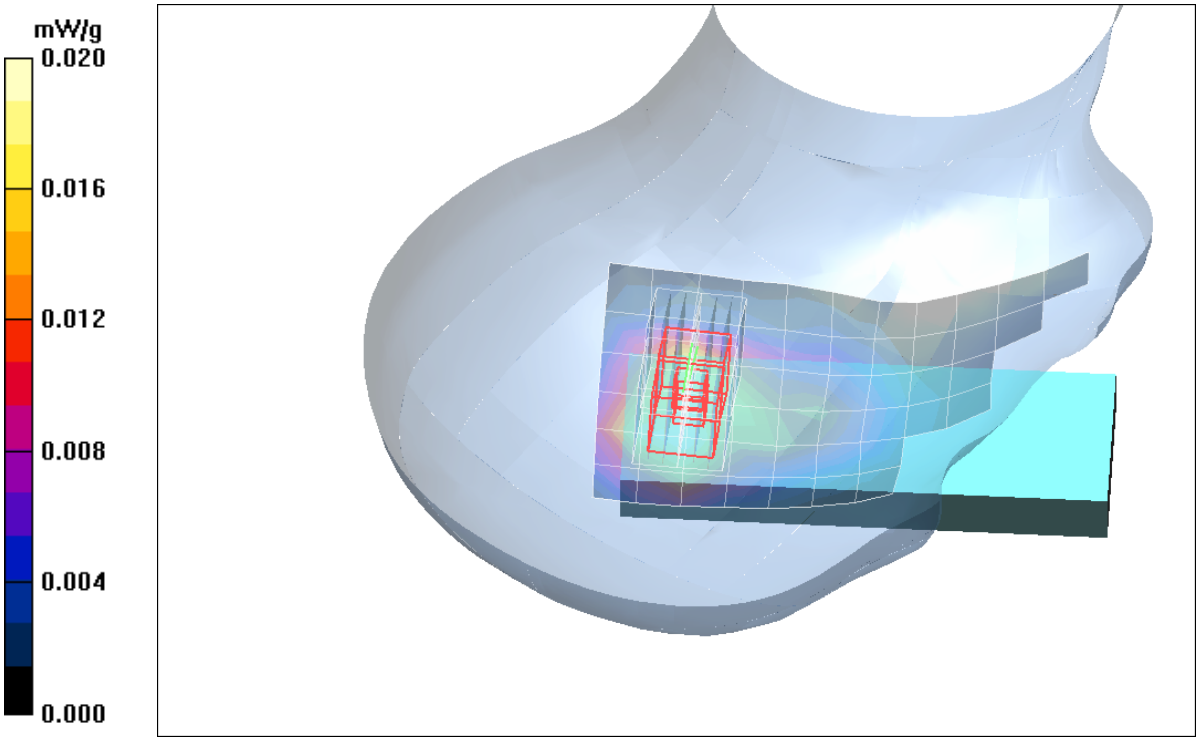

Fig. 3: SAR distribution for DECT US, channel 2, cheek position, right side of head, (May 29, 2012; Ambient Temperature: 22.0°C; Liquid Temperature: 21.8°C).

Test Laboratory: Imst GmbH, DASY Yellow (II); File Name: 160_yDrm_2.da4

DUT: Avaya D160;
Program Name: Cheek Right

Communication System: DECT US; Frequency: 1924.99 MHz;Duty Cycle: 1:24
Medium parameters used: f = 1924.99 MHz; σ = 1.45 mho/m; ε_r = 40.3; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY4 Configuration:
- Probe: ET3DV6R - SN1579; ConvF(5.13, 5.13, 5.13); Calibrated: 25.01.2012
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn335; Calibrated: 20.02.2012
- 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

Tilted Right/Area Scan (7x13x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.018 mW/g
Tilted Right/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 3.58 V/m; Power Drift = -0.077 dB
Peak SAR (extrapolated) = 0.029 W/kg
SAR(1 g) = 0.017 mW/g; SAR(10 g) = 0.00942 mW/g

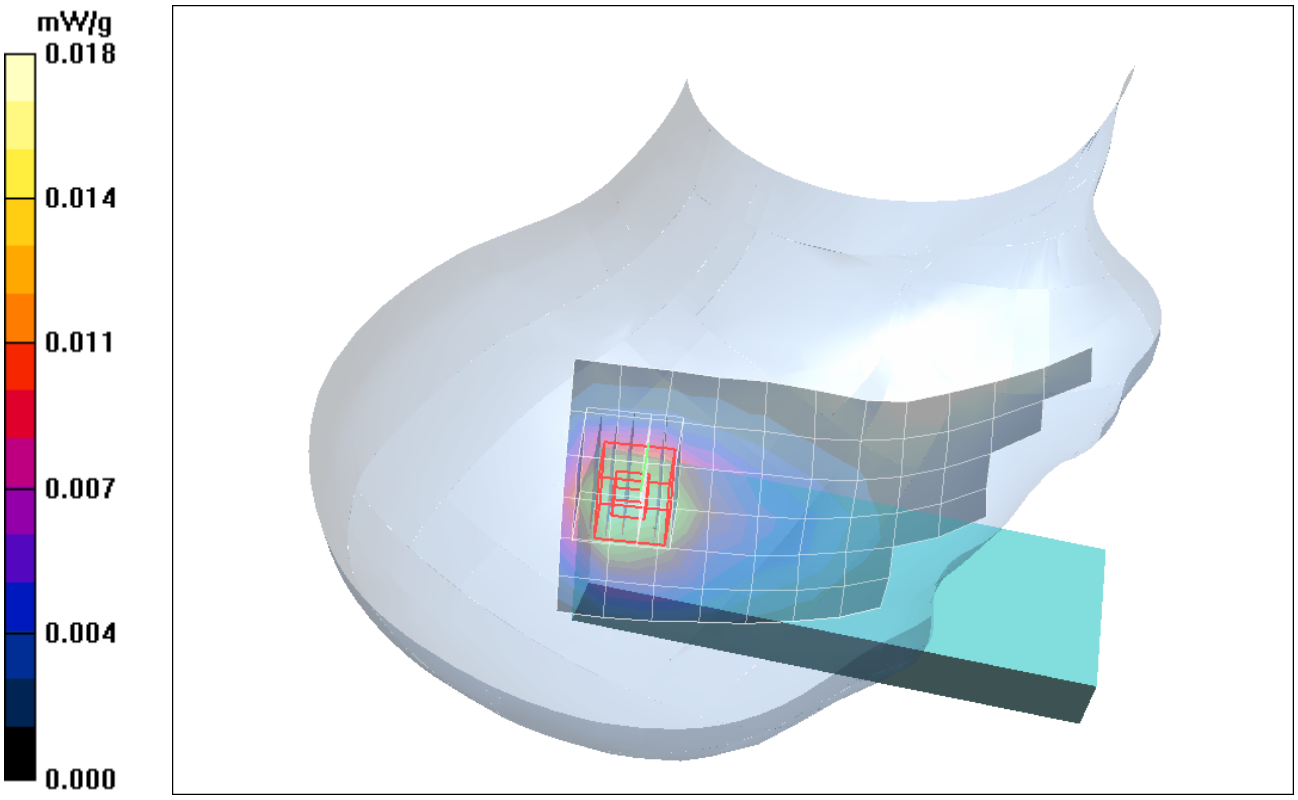

Fig. 4: SAR distribution for DECT US, channel 2, tilted position, right side of head, (May 29, 2012; Ambient Temperature: 22.0°C; Liquid Temperature: 21.8°C)

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2 SAR Distribution Plots, Body Measurements

Test Laboratory: Imst GmbH, DASY Yellow (II); File Name: 160_yDhm_1_dspl_up_hs_clip.da4

DUT: Avaya D160;
Program Name: DECT

Communication System: DECT US; Frequency: 1924.99 MHz;Duty Cycle: 1:24
Medium parameters used: f = 1924.99 MHz; σ = 1.54 mho/m; ε_r = 54; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
- Probe: EX3DV4 - SN3536; ConvF(8.03, 8.03, 8.03); Calibrated: 26.09.2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn631; Calibrated: 21.09.2011
- 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/Area Scan (7x14x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.026 mW/g
Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 2.84 V/m; Power Drift = 0.107 dB
Peak SAR (extrapolated) = 0.051 W/kg
SAR(1 g) = 0.030 mW/g; SAR(10 g) = 0.016 mW/g
Maximum value of SAR (measured) = 0.033 mW/g

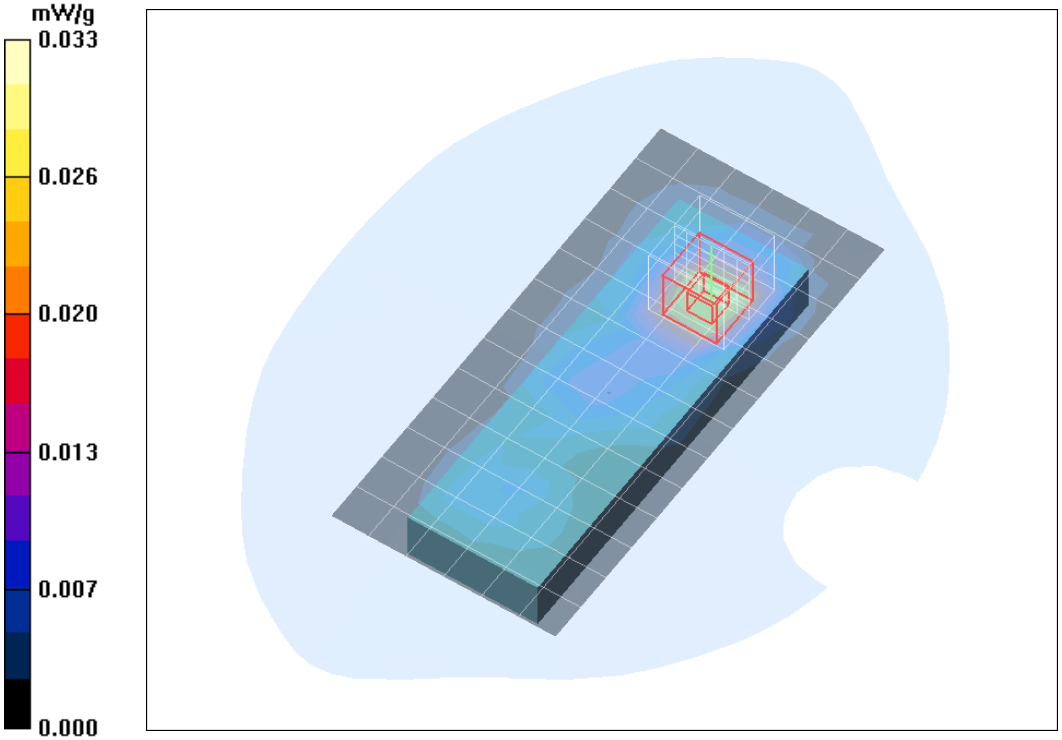

Fig. 5: SAR distribution for DECT US, channel 2, body worn configuration, display towards the phantom, with headset and clip, 0 mm distance (June 11, 2012; Ambient Temperature: 21.5° C; Liquid Temperature: 21.4° C).

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Test Laboratory: Imst GmbH, DASY Yellow (II); File Name: 160_yDhm_2_dspl_down_hs_clip.da4

DUT: Avaya D160;
Program Name: DECT

Communication System: DECT US; Frequency: 1924.99 MHz;Duty Cycle: 1:24
Medium parameters used: f = 1924.99 MHz; σ = 1.54 mho/m; ε_r = 54; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
- Probe: EX3DV4 - SN3536; ConvF(8.03, 8.03, 8.03); Calibrated: 26.09.2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn631; Calibrated: 21.09.2011
- 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/Area Scan (7x14x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.023 mW/g
Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 2.71 V/m; Power Drift = 0.158 dB
Peak SAR (extrapolated) = 0.038 W/kg
SAR(1 g) = 0.023 mW/g; SAR(10 g) = 0.012 mW/g
Maximum value of SAR (measured) = 0.026 mW/g

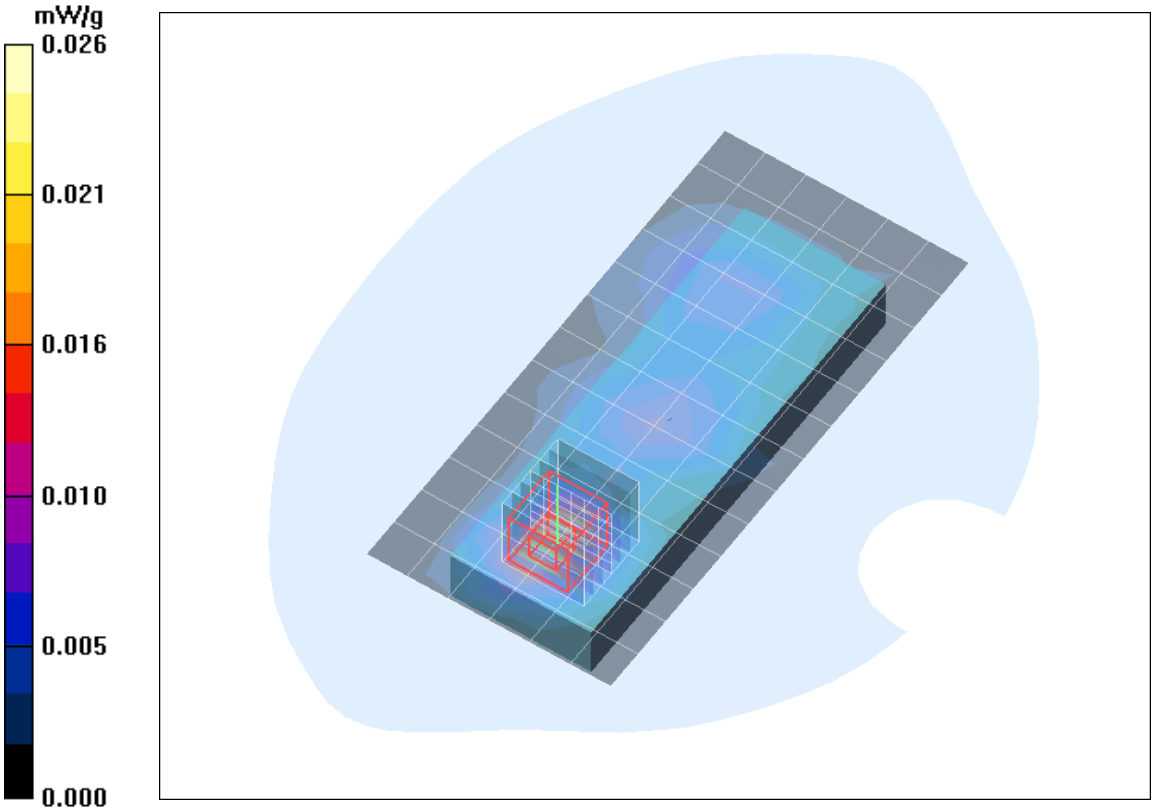

Fig. 6: SAR distribution for DECT US, channel 2, body worn configuration, display towards the ground, with headset and clip, 0 mm distance (June 11, 2012; Ambient Temperature: 21.5° C; Liquid Temperature: 21.3° C).

3 SAR Z-Axis Scans (Validation)

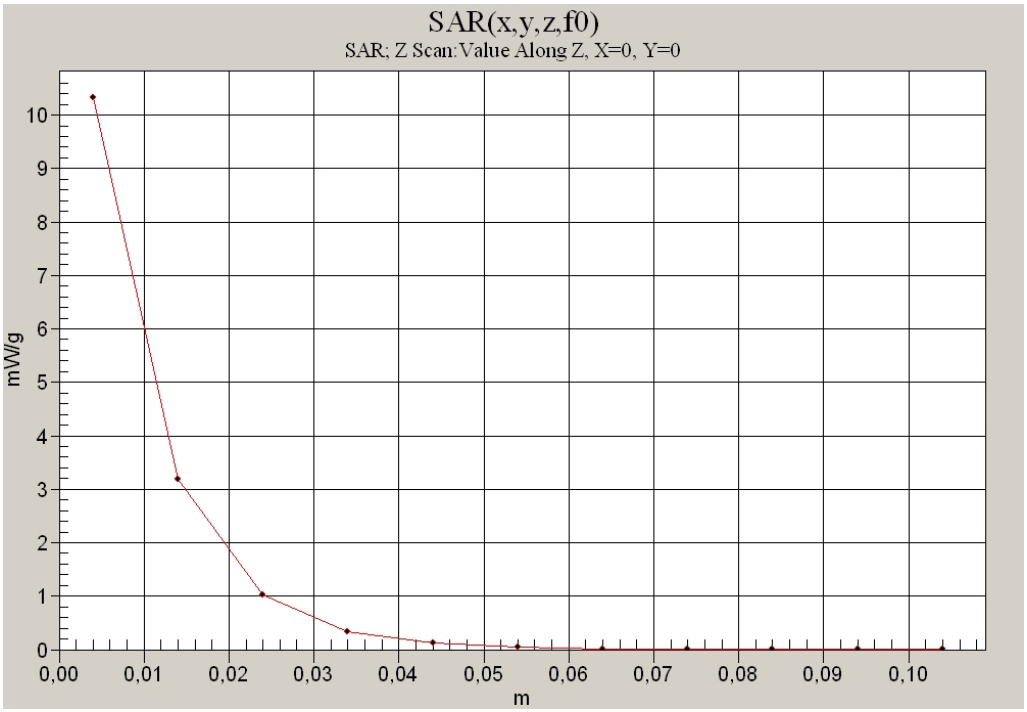

Fig. 7: SAR versus liquid depth, 1900 MHz, head (May 29, 2012; Ambient Temperature: 22.0° C; Liquid Temperature: 21.8° C).

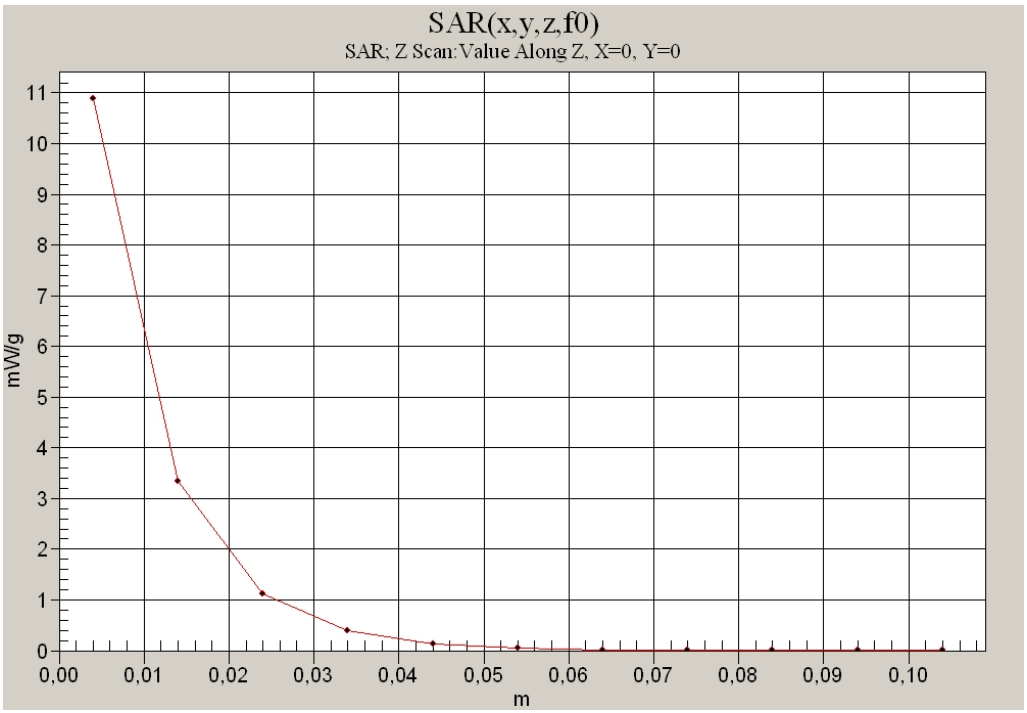

Fig. 8: SAR versus liquid depth, 1900 MHz, body (June 11, 2012; Ambient Temperature: 21.5° C; Liquid Temperature: 21.3° C).

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4 SAR Z-Axis Scans (Measurements)

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

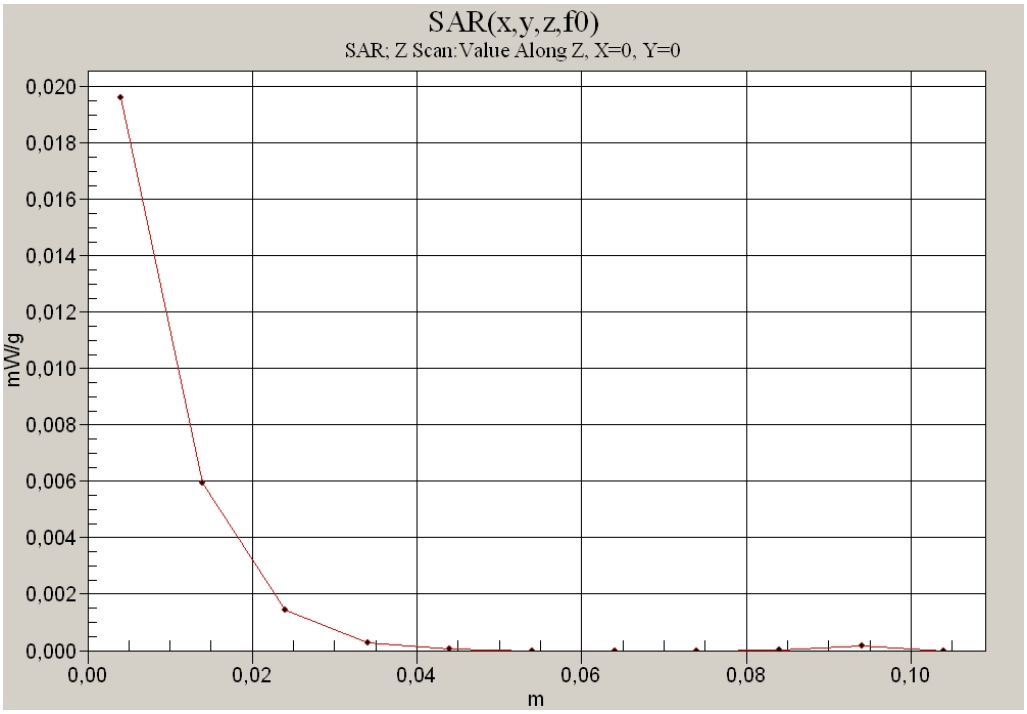

Fig. 9: SAR versus liquid depth, head: DECT US, channel 2, cheek position, right side of head (May 29, 2012; Ambient Temperature: 22.0° C; Liquid Temperature : 21.8° C).

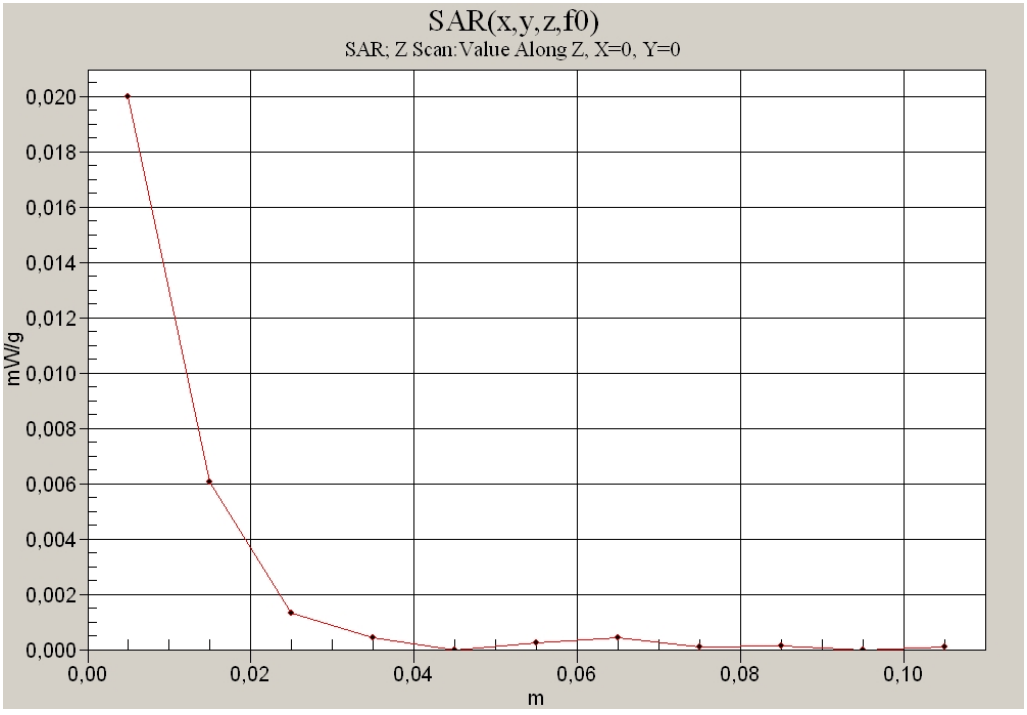

Fig. 10: SAR versus liquid depth, body: DECT US, channel 2, position 1, headset and clip attached, 0 mm distance, display towards the phantom (June 11, 2012; Ambient Temperature: 21.5° C; Liquid Temperature: 21.3° C).