Appendix to SAR Report

(SAR_Report_Nemko_60320_6130012_FCC_Body_2.4GHz_VictorReader_V2)

Dosimetric Assessment of the Victor Reader Stream from HumanWare (FCC ID: XT5503VRC) (IC: 8670A-503VRC)

According to the FCC Requirements SAR Distribution Plots

November 20, 2013

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Table of Contents

1 SAR Distribution Plots, Body Worn, IEEE 802.11b

Test Laboratory: Imst GmbH, DASY Yellow (II); File Name: Stream_5_ywhm_1_CH1_b_hs+micro.da4

DUT: Humanware; Type: Stream; Serial: 5

Program Name: IEEE 802.11 b

Communication System: WLAN 2450; Frequency: 2412 MHz;Duty Cycle: 1:1

Medium parameters used: f = 2412 MHz; σ = 1.87 mho/m; ε_r = 51.4; ρ = 1000 kg/m^3

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3860; ConvF(7.47, 7.47, 7.47); Calibrated: 29.07.2013
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn631; Calibrated: 23.09.2013
- 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 (10x13x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.437 mW/g

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

Reference Value = 3.97 V/m; Power Drift = 0.179 dB

Peak SAR (extrapolated) = 1.31 W/kg

SAR(1 g) = 0.443 mW/g; SAR(10 g) = 0.169 mW/g

Maximum value of SAR (measured) = 0.522 mW/g

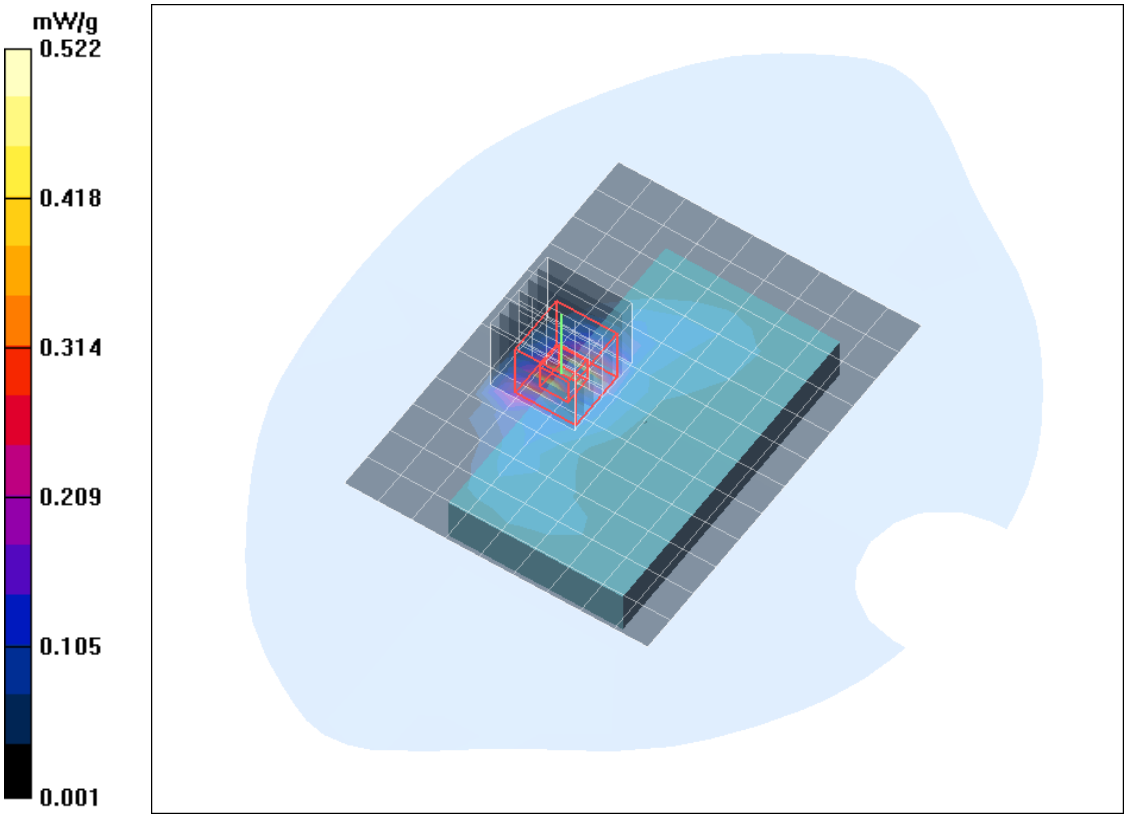

Fig. 1: SAR distribution for IEEE 802.11 b, body worn configuration, channel 1, position 1 with attached headphones and microphone (November 11, 2013)

2 SAR Distribution Plots, PTT configuration, IEEE 802.11b

Test Laboratory: Imst GmbH, DASY Yellow (II); File Name: Stream_5_ywhm_3_CH1_b_hs_25mm.da4

DUT: Humanware; Type: Stream; Serial: 5

Program Name: IEEE 802.11 b

Communication System: WLAN 2450; Frequency: 2412 MHz;Duty Cycle: 1:1

Medium parameters used: f = 2412 MHz; σ = 1.71 mho/m; ε_r = 39.4; ρ = 1000 kg/m^3

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3860; ConvF(7.38, 7.38, 7.38); Calibrated: 29.07.2013
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn631; Calibrated: 23.09.2013
- 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 (10x13x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.021 mW/g

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

Reference Value = 2.22 V/m; Power Drift = -0.194 dB

Peak SAR (extrapolated) = 0.035 W/kg

SAR(1 g) = 0.019 mW/g; SAR(10 g) = 0.011 mW/g

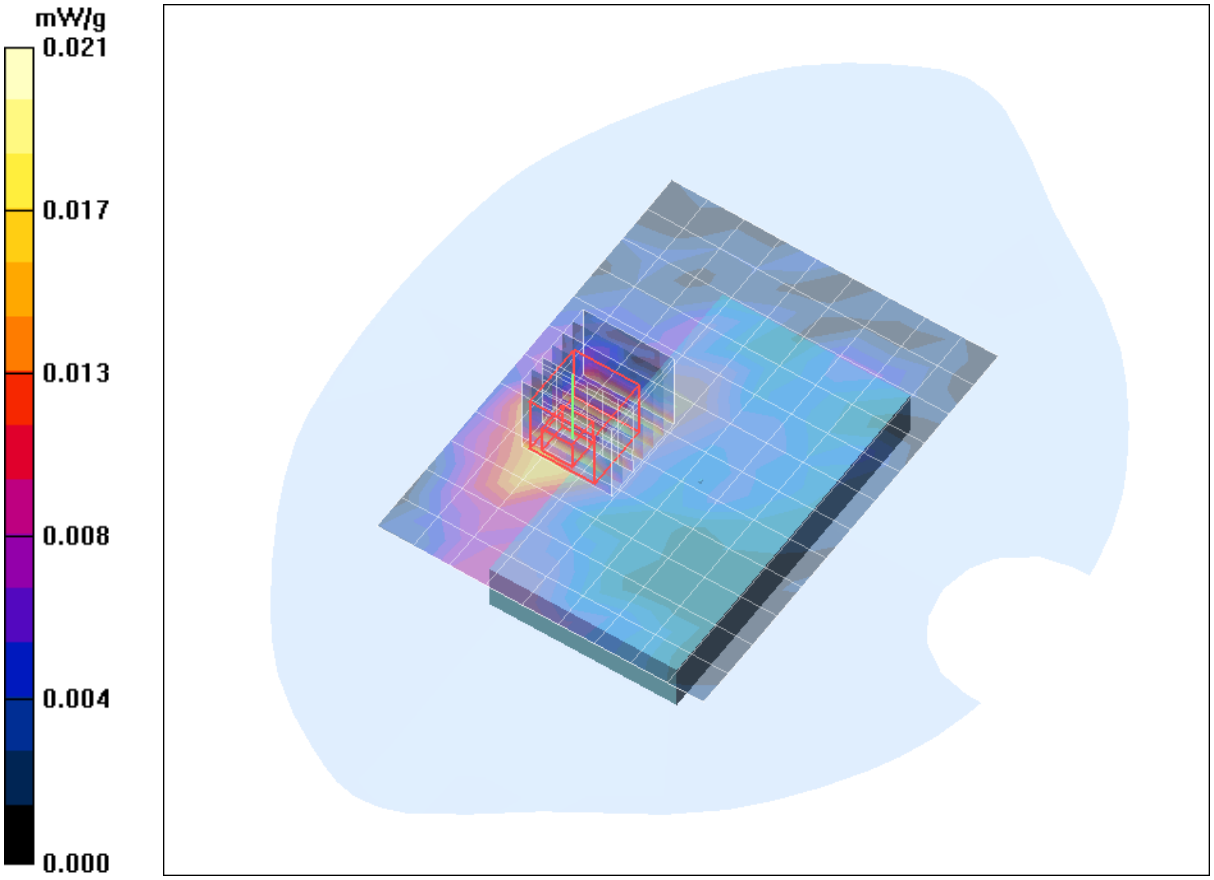

Fig. 2: SAR distribution for IEEE 802.11b, PTT configuration, channel 1, position 2 with attached headphones, 25 mm distance (November 11, 2013).