DAkkS
Deutsche
Akkreditierungsstelle
D-PL-12139-01-01

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 WX-CT420 from Panasonic (FCC ID: ACJ9TAWX-CT420) (IC: 216A-WXCT420)

According to the FCC Requirements SAR Distribution Plots

November 11, 2013

IMST GmbH

Carl-Friedrich-Gauß-Str. 2

D-47475 Kamp-Lintfort

Customer

Panasonic System Networks Co., Ltd.

1-62, 4-chome Minoshima, Hakata

Fukuoka 812-8531

Japan

1 SAR Distribution Plots, Body Worn Configuration

Test Laboratory: Imst GmbH, DASY Yellow (II); File Name: CT420_yphm_1_HS_0mm.da4

DUT: Panasonic; Type: WX-CT420;
Program Name: DECT

Communication System: DECT US; Frequency: 1924.99 MHz;Duty Cycle: 1:24
Medium parameters used: f = 1924.99 MHz; σ = 1.58 mho/m; ε_r = 52.5; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
- Probe: ET3DV6R - SN1669; ConvF(4.68, 4.68, 4.68); Calibrated: 19.02.2013
- 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 (9x12x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.129 mW/g
Body Worn/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 2.33 V/m; Power Drift = 0.032 dB
Peak SAR (extrapolated) = 0.349 W/kg
SAR(1 g) = 0.146 mW/g; SAR(10 g) = 0.059 mW/g
Maximum value of SAR (measured) = 0.176 mW/g

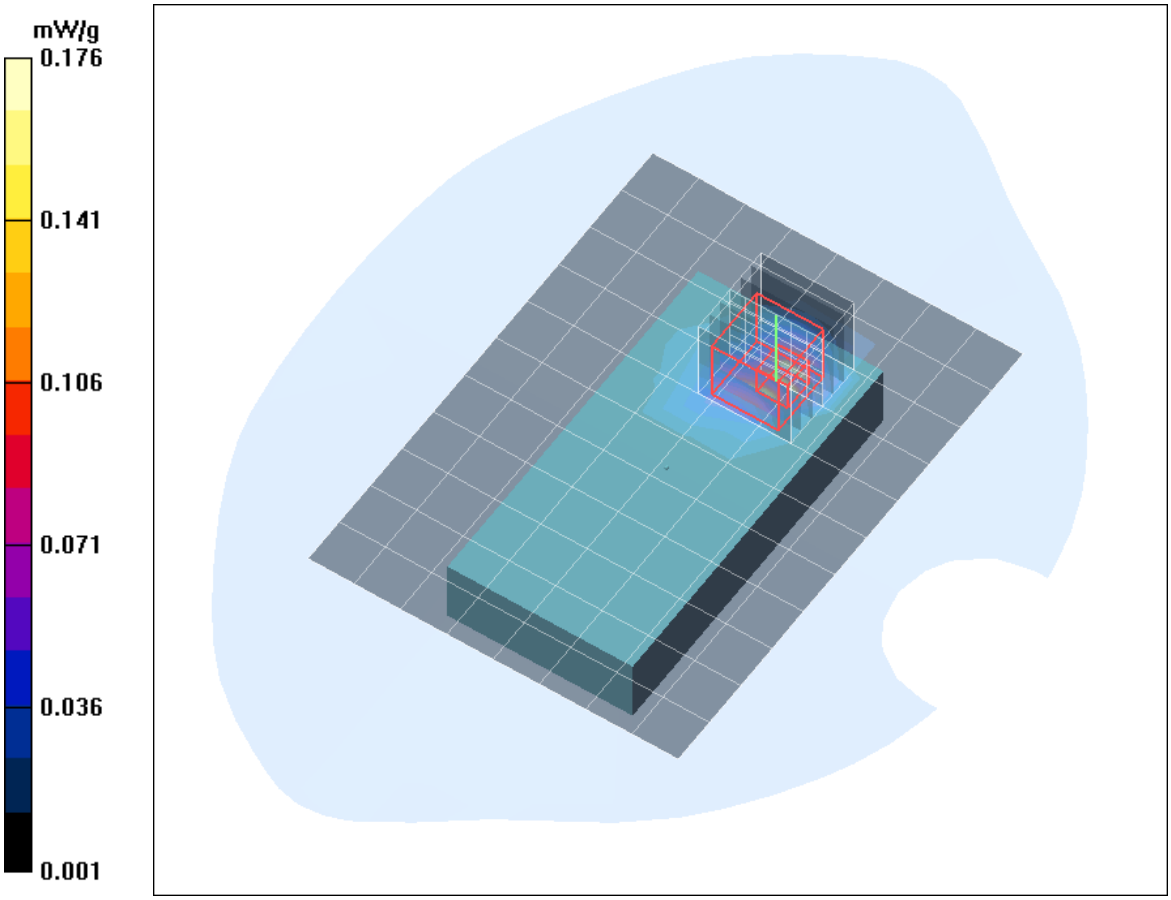

Fig. 1: SAR distribution for US DECT, channel 2, position 1 with attached headset, 0 mm distance (October 31, 2013).

Test Laboratory: Imst GmbH, DASY Yellow (II); File Name: CT420_yphm_2_HS_0mm.da4

DUT: Panasonic; Type: WX-CT420;
Program Name: DECT

Communication System: DECT US; Frequency: 1924.99 MHz;Duty Cycle: 1:24
Medium parameters used: f = 1924.99 MHz; σ = 1.58 mho/m; ε_r = 52.5; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
- Probe: ET3DV6R - SN1669; ConvF(4.68, 4.68, 4.68); Calibrated: 19.02.2013
- 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 (9x12x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.024 mW/g
Body Worn/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 3.93 V/m; Power Drift = -0.058 dB
Peak SAR (extrapolated) = 0.032 W/kg
SAR(1 g) = 0.022 mW/g; SAR(10 g) = 0.013 mW/g

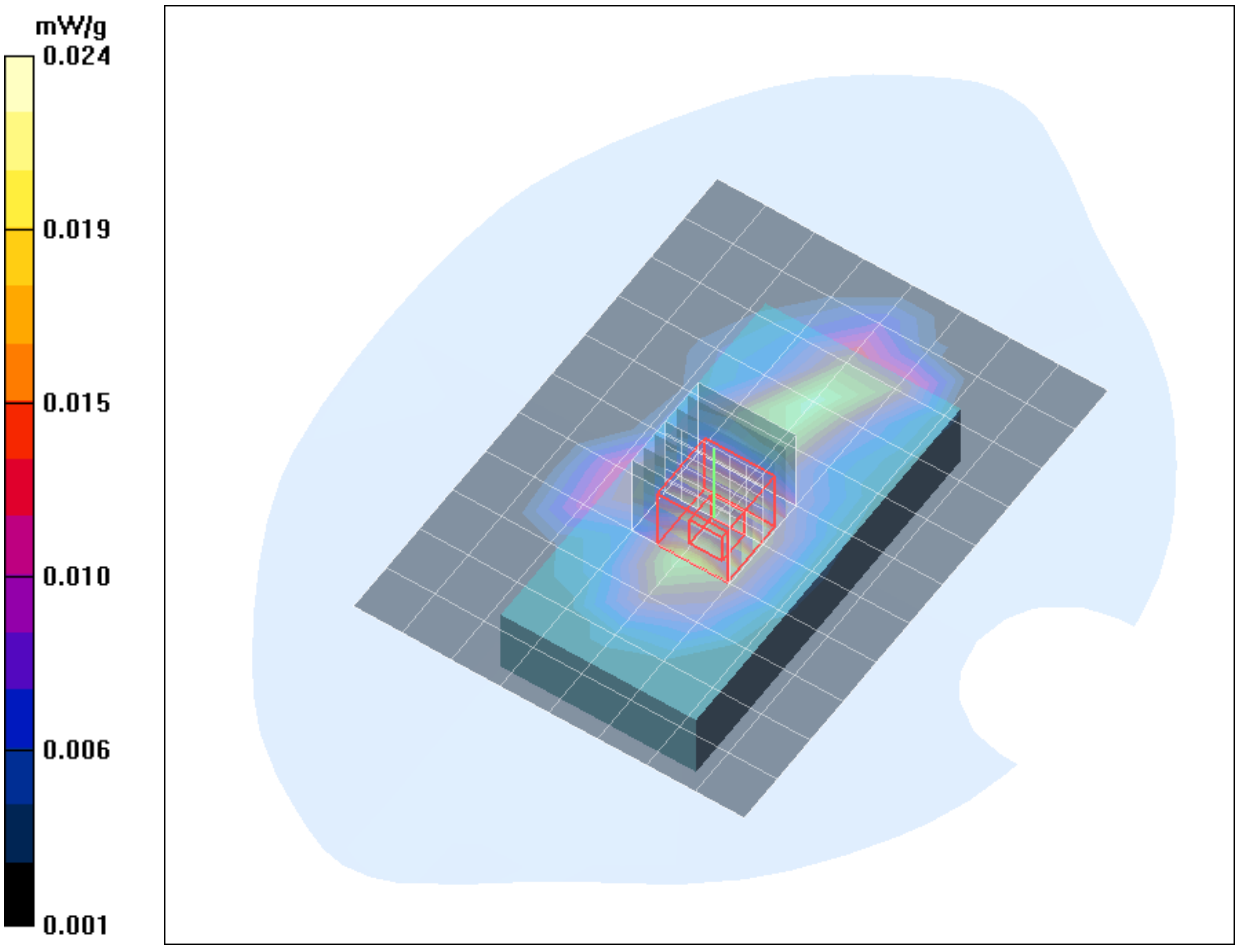

Fig. 2: SAR distribution for US DECT, channel 2, position 2 with attached headset, 0 mm distance (October 31, 2013).

Test Laboratory: Imst GmbH, DASY Yellow (II); File Name: CT420_yphm_3_HS_case_0mm.da4

DUT: Panasonic; Type: WX-CT420;
Program Name: DECT

Communication System: DECT US; Frequency: 1924.99 MHz;Duty Cycle: 1:24
Medium parameters used: f = 1924.99 MHz; σ = 1.58 mho/m; ε_r = 52.5; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
- Probe: ET3DV6R - SN1669; ConvF(4.68, 4.68, 4.68); Calibrated: 19.02.2013
- 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 (9x12x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.012 mW/g
Body Worn/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 1.80 V/m; Power Drift = 0.069 dB
Peak SAR (extrapolated) = 0.022 W/kg
SAR(1 g) = 0.013 mW/g; SAR(10 g) = 0.00759 mW/g
Maximum value of SAR (measured) = 0.014 mW/g

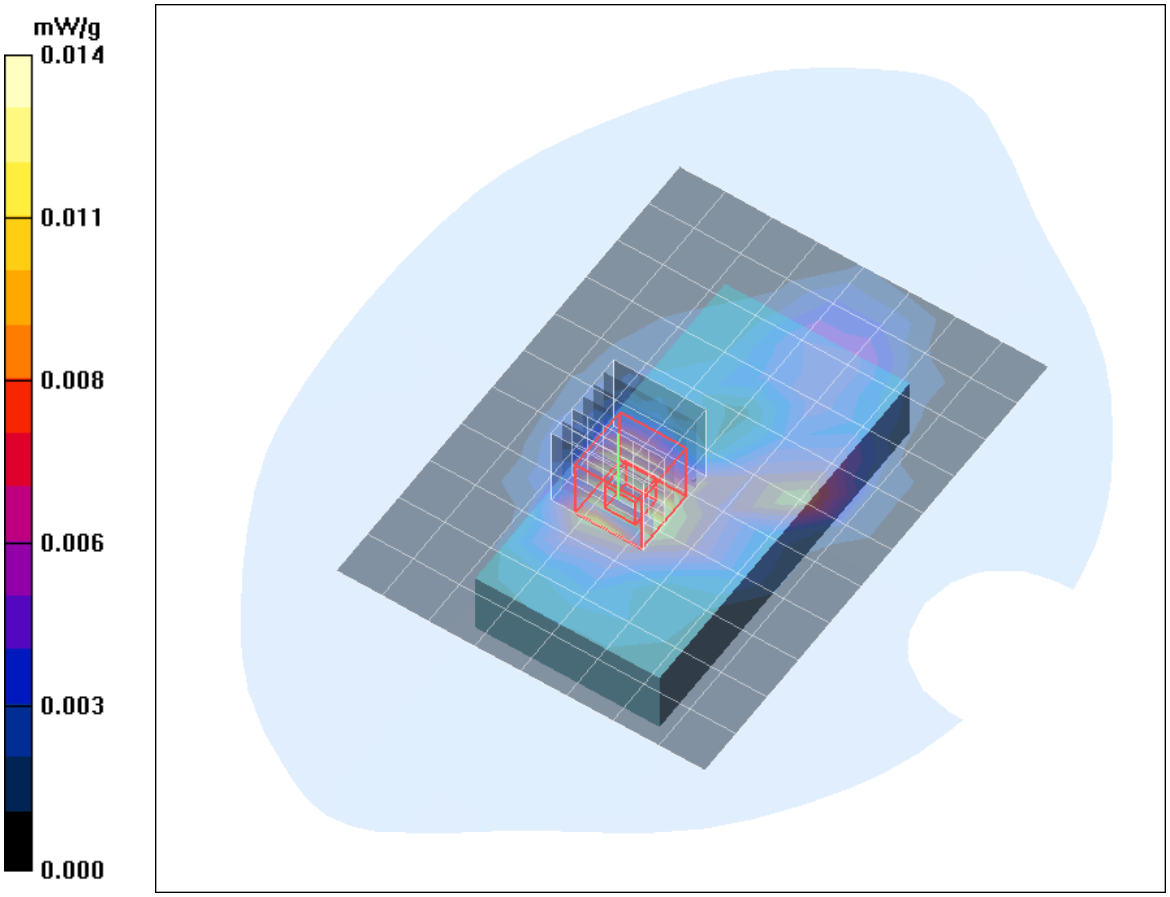

Fig. 3: SAR distribution for US DECT, channel 2, position 3 with attached headset and belt case, 0 mm distance (October 31, 2013).