

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 KX-PRSA10 (FCC ID: ACJ96NKX-PRSA10) (IC: 216A-KXPRSA10)

According to the FCC Requirements SAR Distribution Plots

September 12, 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

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. This version supersedes all previous versions of this report.

1 SAR Distribution Plots, Head Measurement

Test Laboratory: Imst GmbH, DASY Yellow (II); File Name: [PRSA10W_yplm_1.da4](#)

DUT: Panasonic; Type: KX-PRSA10;

Program Name: DECT

Communication System: DECT US; Frequency: 1924.99 MHz; Duty Cycle: 1:24

Medium parameters used: $f = 1924.99$ MHz; $\sigma = 1.4$ mho/m; $\epsilon_r = 39.7$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3536; ConvF(8.41, 8.41, 8.41); Calibrated: 24.09.2012
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn335; Calibrated: 18.02.2013
- 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

Cheek Left/Area Scan (7x13x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

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

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

Reference Value = 1.95 V/m; Power Drift = -0.197 dB

Peak SAR (extrapolated) = 0.029 W/kg

SAR(1 g) = 0.016 mW/g; SAR(10 g) = 0.0076 mW/g

Maximum value of SAR (measured) = 0.018 mW/g

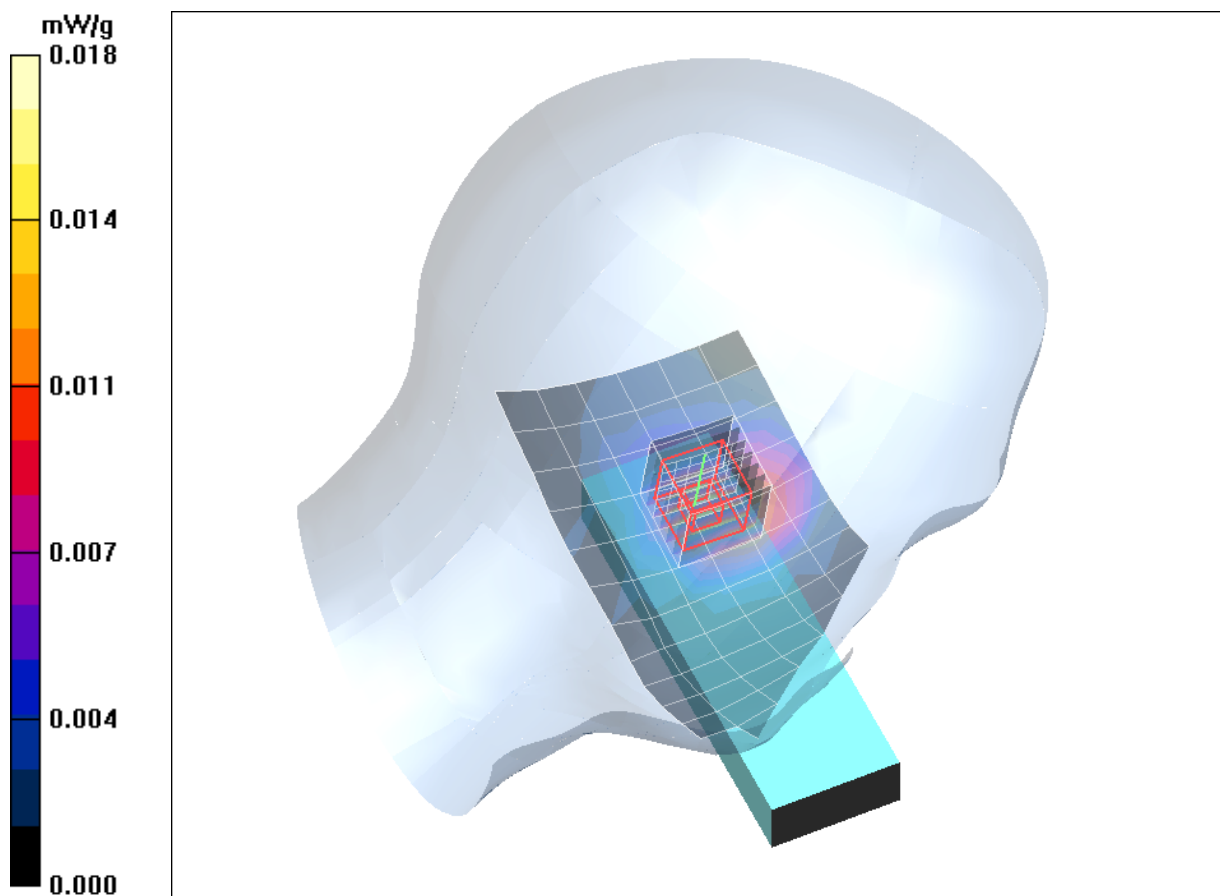


Fig. 1: SAR distribution for DECT US, channel 2, cheek position, left side of head, (September 09, 2013).

Test Laboratory: Imst GmbH, DASY Yellow (II); **File Name:** [PRSA10W_yplm_2.da4](#)

DUT: Panasonic; **Type:** KX-PRSA10;

Program Name: DECT

Communication System: DECT US; Frequency: 1924.99 MHz; Duty Cycle: 1:24

Medium parameters used: $f = 1924.99$ MHz; $\sigma = 1.4$ mho/m; $\epsilon_r = 39.7$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3536; ConvF(8.41, 8.41, 8.41); Calibrated: 24.09.2012
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn335; Calibrated: 18.02.2013
- 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

Tilted Left/Area Scan (7x13x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.011 mW/g

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

Reference Value = 2.52 V/m; Power Drift = -0.141 dB

Peak SAR (extrapolated) = 0.021 W/kg

SAR(1 g) = 0.011 mW/g; SAR(10 g) = 0.00563 mW/g

Maximum value of SAR (measured) = 0.012 mW/g

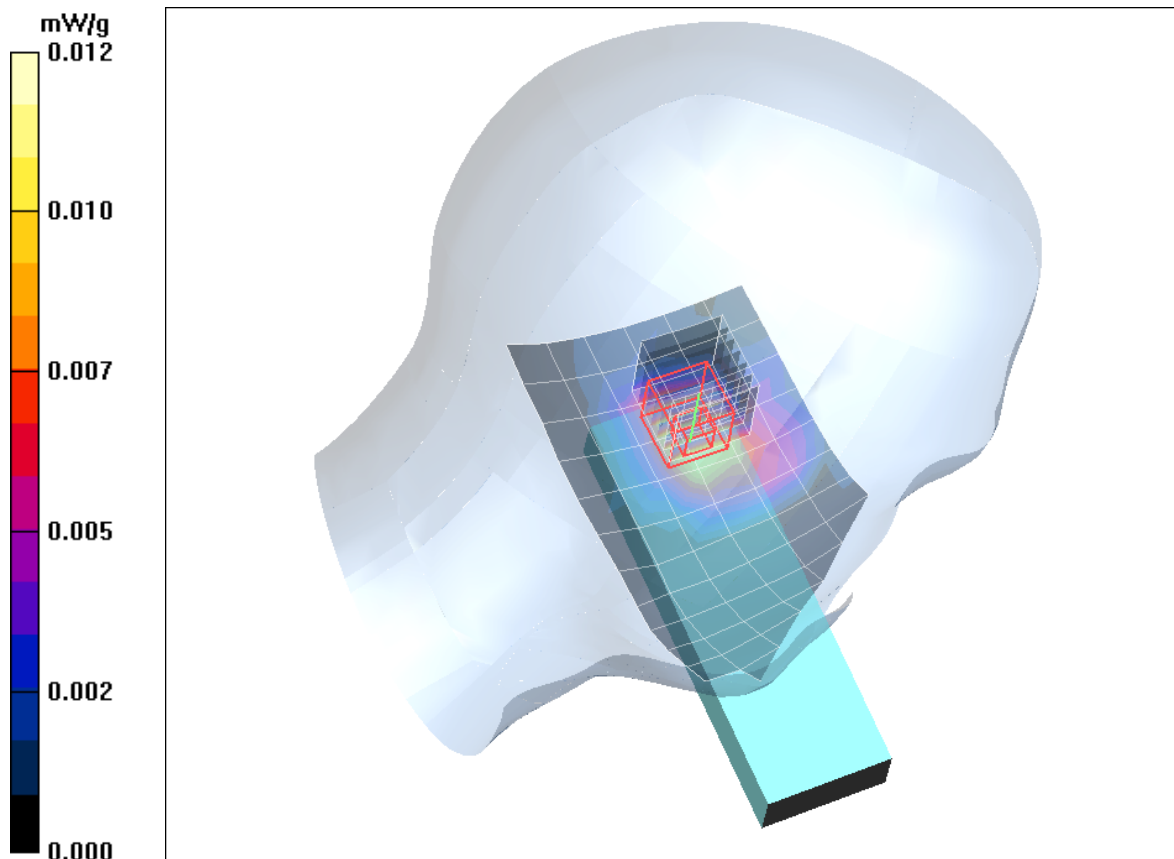


Fig. 2: SAR distribution for DECT US, channel 2, tilted position, left side of head, (September 09, 2013).

Test Laboratory: Imst GmbH, DASY Yellow (II); **File Name:** [PRSA10W_yprm_1.da4](#)

DUT: Panasonic; **Type:** KX-PRSA10;

Program Name: DECT

Communication System: DECT US; Frequency: 1924.99 MHz; Duty Cycle: 1:24

Medium parameters used: $f = 1924.99$ MHz; $\sigma = 1.4$ mho/m; $\epsilon_r = 39.7$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3536; ConvF(8.41, 8.41, 8.41); Calibrated: 24.09.2012
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn335; Calibrated: 18.02.2013
- 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

Cheek Right/Area Scan (7x13x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.018 mW/g

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

Reference Value = 2.86 V/m; Power Drift = -0.198 dB

Peak SAR (extrapolated) = 0.026 W/kg

SAR(1 g) = 0.015 mW/g; SAR(10 g) = 0.00802 mW/g

Maximum value of SAR (measured) = 0.017 mW/g

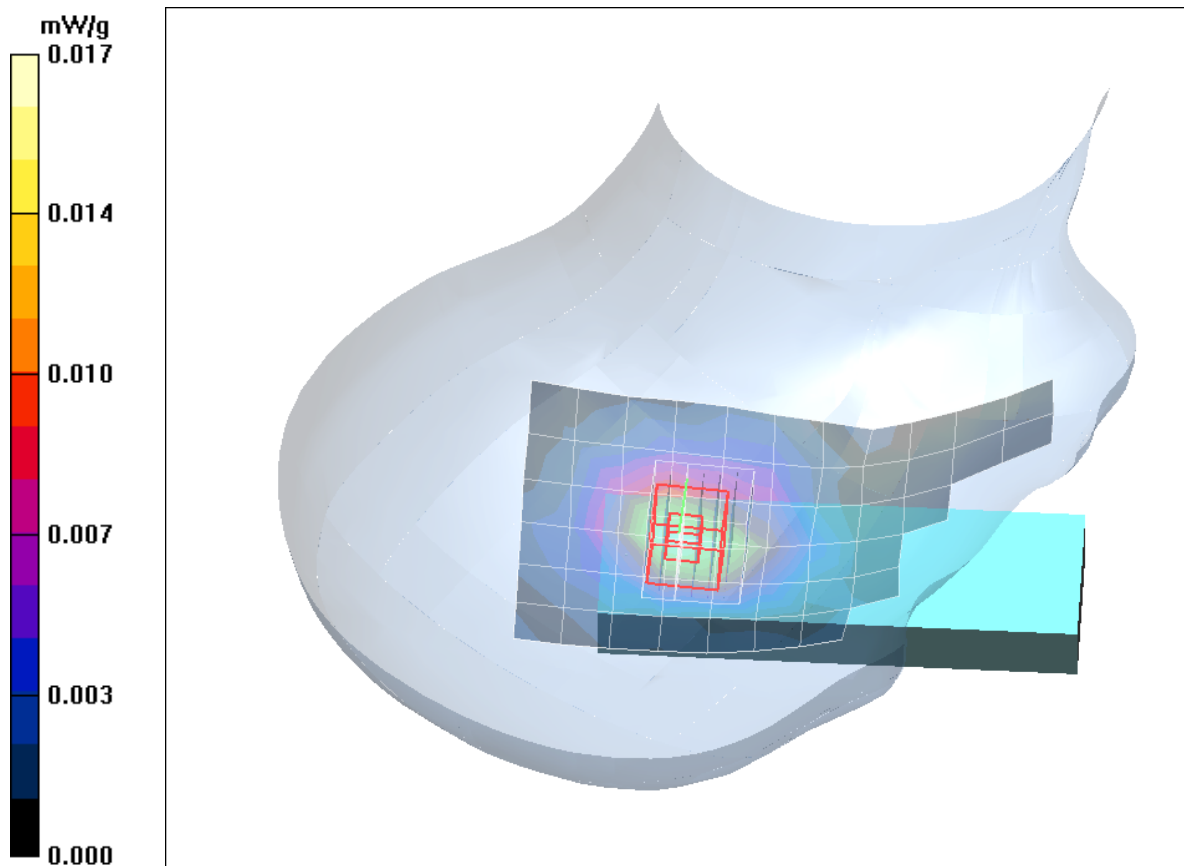


Fig. 3: SAR distribution for DECT US, channel 2, cheek position, right side of head, (September 09, 2013).

Test Laboratory: Imst GmbH, DASY Yellow (II); File Name: [PRSA10W_yprm_2.da4](#)

DUT: Panasonic; Type: KX-PRSA10;

Program Name: DECT

Communication System: DECT US; Frequency: 1924.99 MHz; Duty Cycle: 1:24

Medium parameters used: $f = 1924.99$ MHz; $\sigma = 1.4$ mho/m; $\epsilon_r = 39.7$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3536; ConvF(8.41, 8.41, 8.41); Calibrated: 24.09.2012
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn335; Calibrated: 18.02.2013
- 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

Tilted Right/Area Scan (7x13x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.013 mW/g

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

Reference Value = 2.87 V/m; Power Drift = -0.132 dB

Peak SAR (extrapolated) = 0.020 W/kg

SAR(1 g) = 0.011 mW/g; SAR(10 g) = 0.00533 mW/g

Maximum value of SAR (measured) = 0.012 mW/g

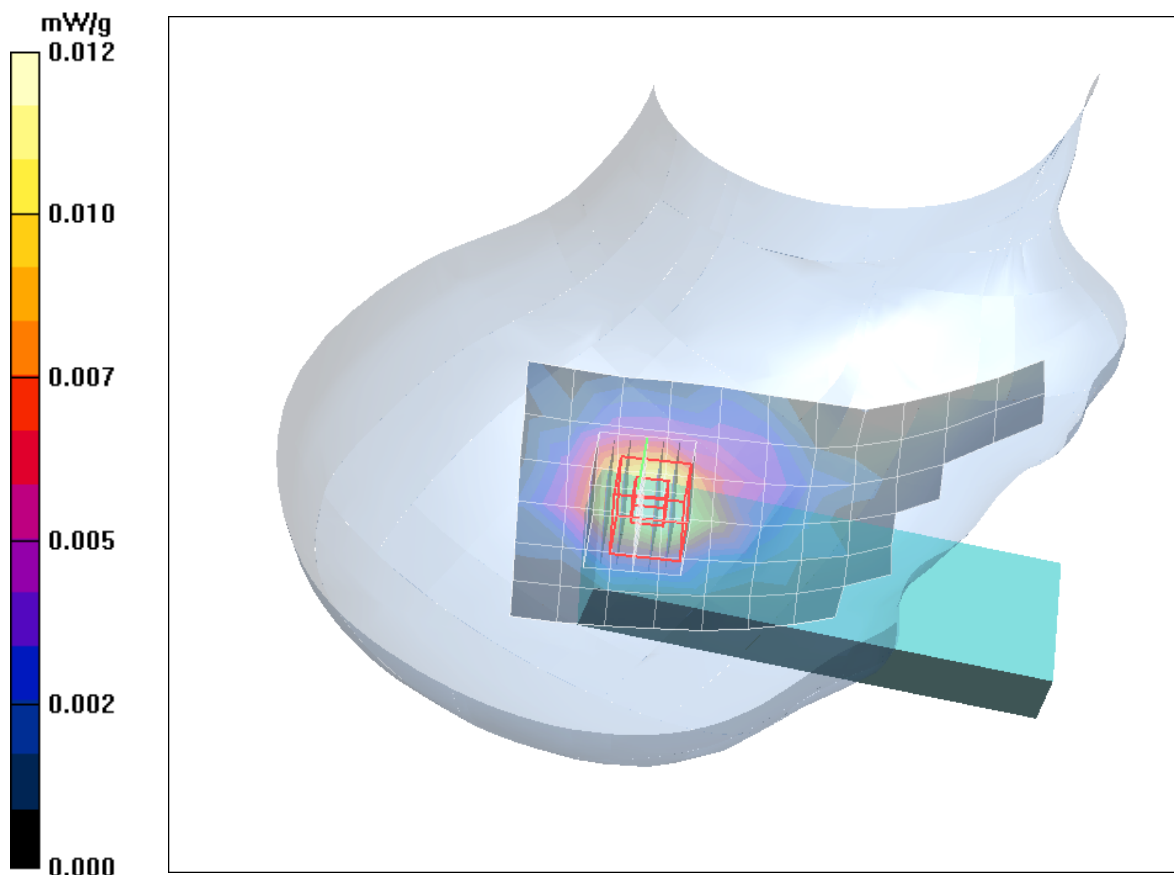


Fig. 4: SAR distribution for DECT US, channel 2, tilted position, right side of head, (September 09, 2013)