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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

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Customer

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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=15mm, dy=15mm

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

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

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

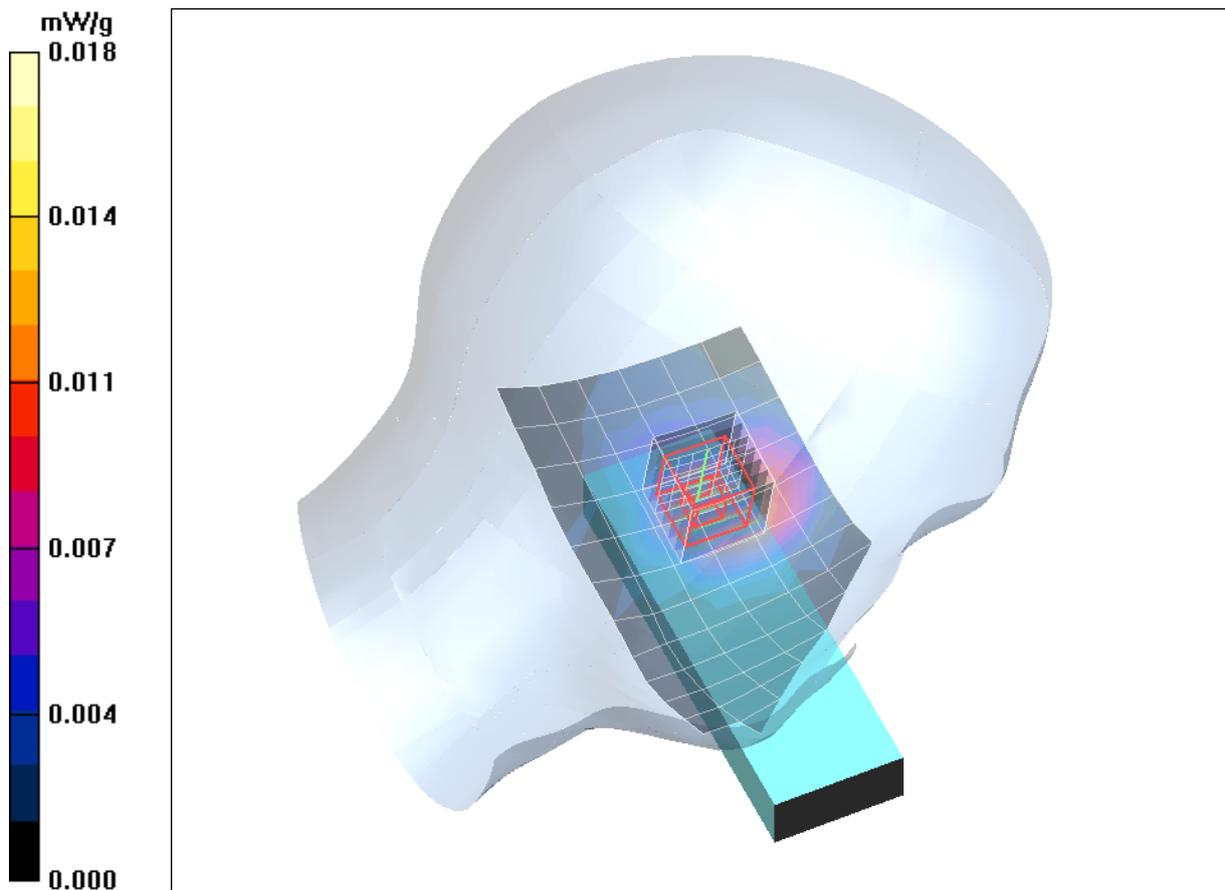


Fig. 1: SAR distribution for DECT US, channel 2, cheek position, left side of head, (September 09, 2013).

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

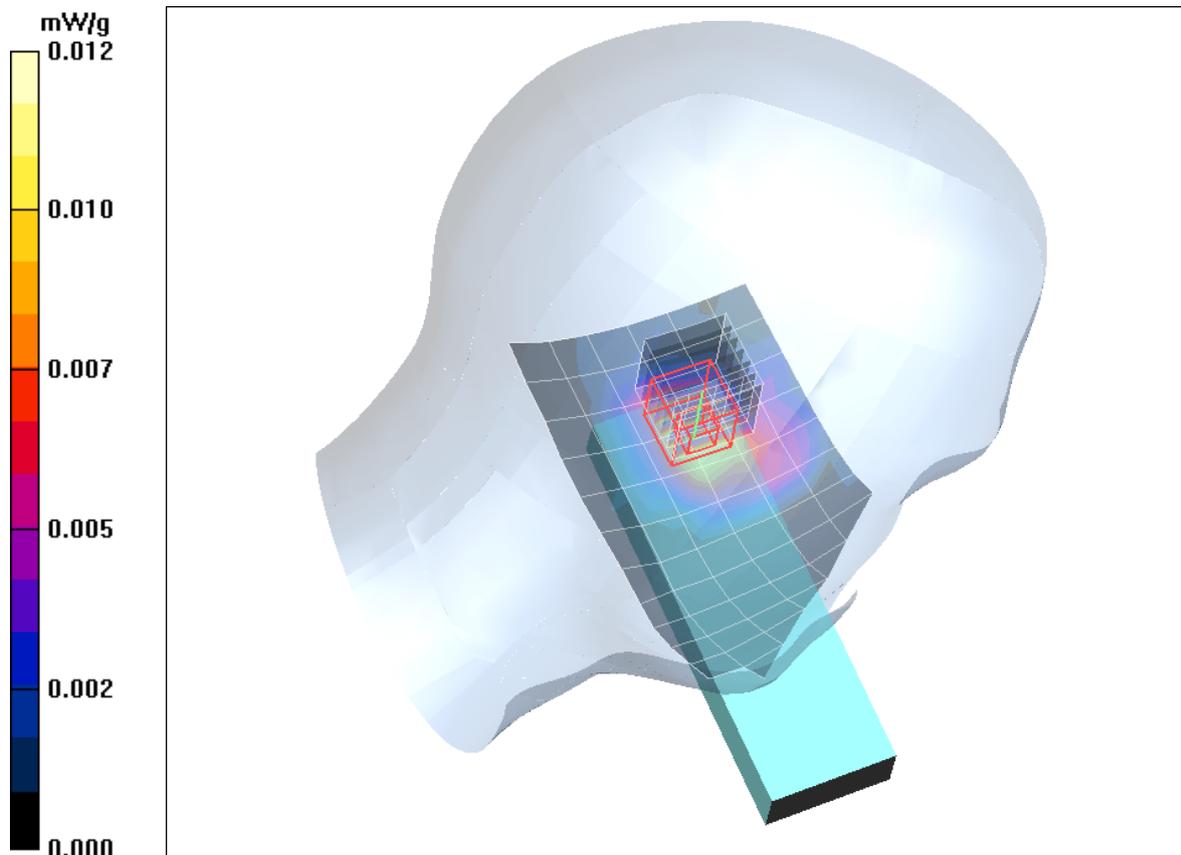


Fig. 2: SAR distribution for DECT US, channel 2, tilted position, left side of head, (September 09, 2013).

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

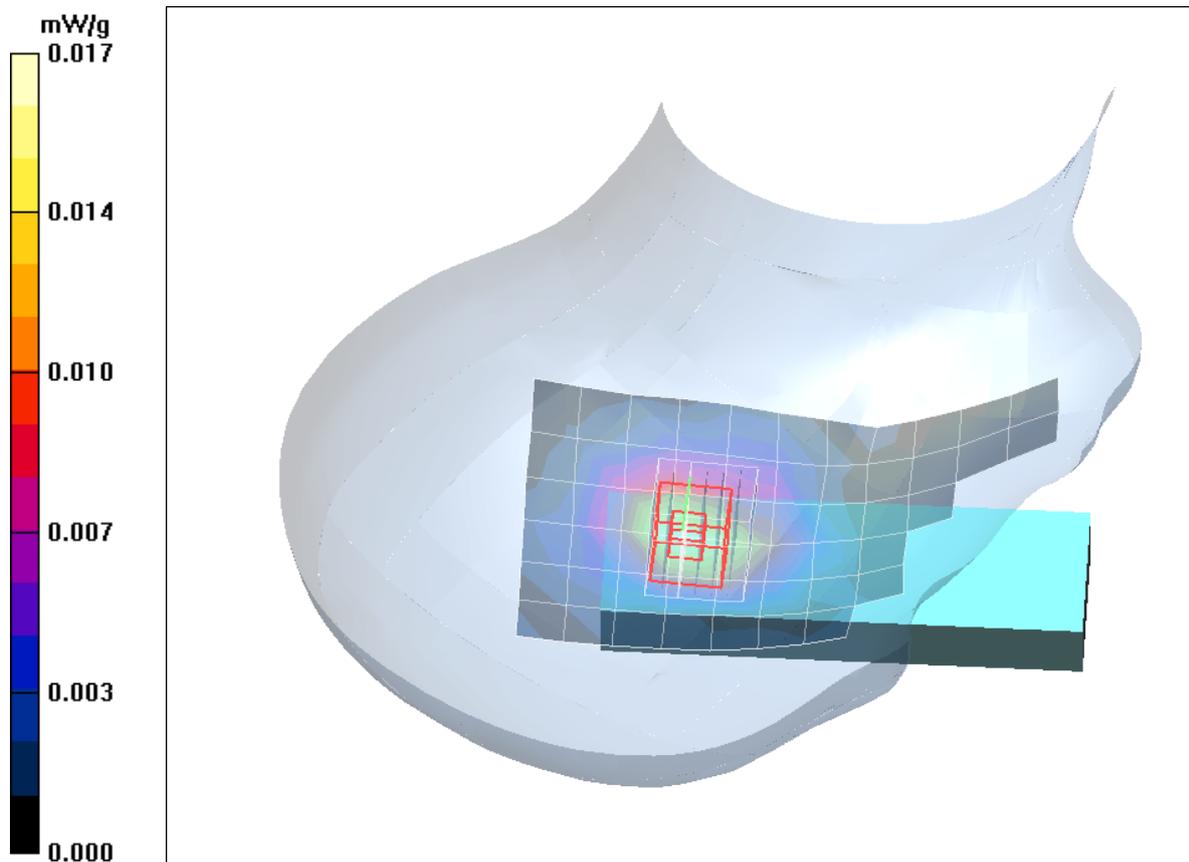


Fig. 3: SAR distribution for DECT US, channel 2, cheek position, right side of head, (September 09, 2013).

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

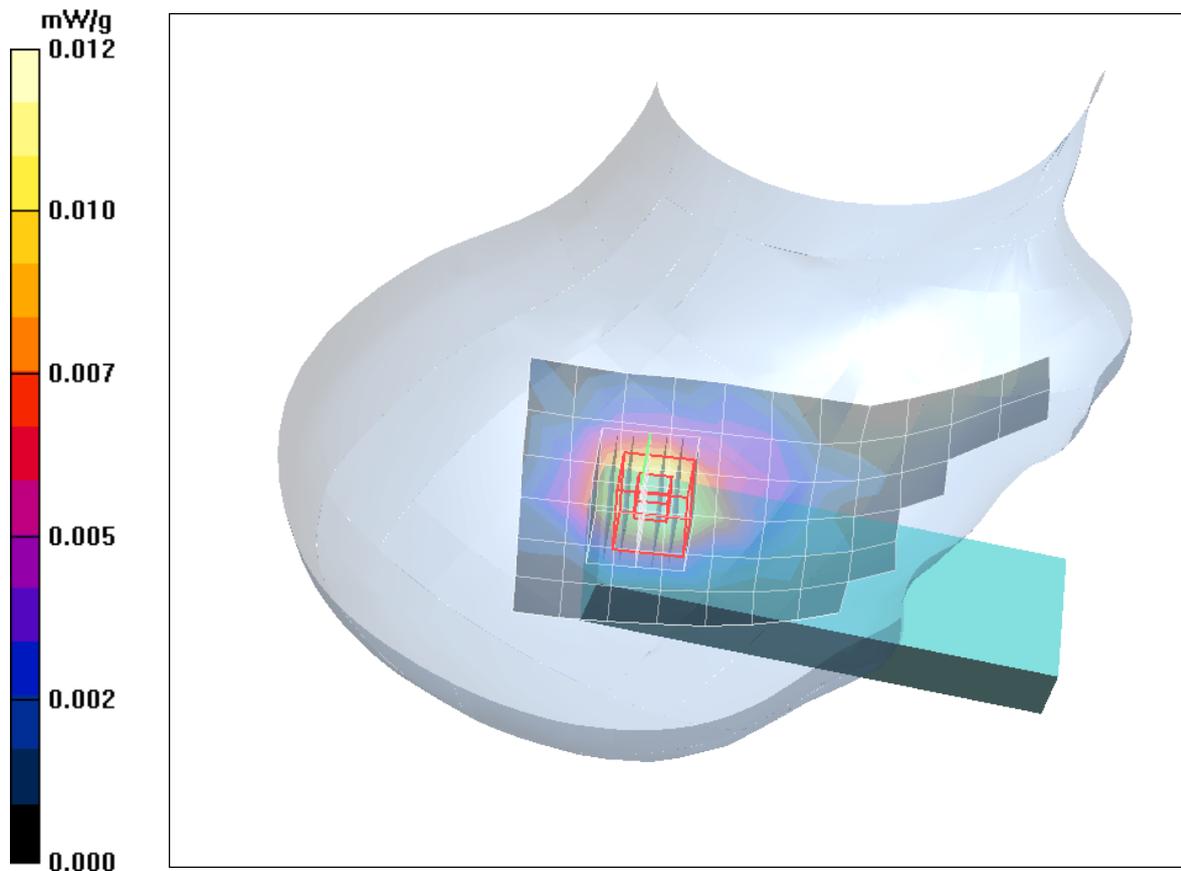


Fig. 4: SAR distribution for DECT US, channel 2, tilted position, right side of head, (September 09, 2013)