

Appendix for the SAR Test Report

Dosimetric Assessment of the Portable Device KX-TGCA35 from Panasonic (FCC ID: ACJ96NKX-TGCA35)

According to the FCC Requirements SAR Distribution Plots

December 9, 2015

IMST GmbH
Carl-Friedrich-Gauß-Str. 2 - 4
47475 Kamp-Lintfort
Germany

Customer
Panasonic System Networks Co., Ltd.
1 - 62, 4 - chome Minoshima, Hakata-ku,
Fukuoka 812-8531
Japan

The test results only relate to the items tested.

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SAR Distribution Plots for Head Configuration

Test Laboratory: IMST GmbH, DASY Yellow (II); File Name: [TGCA35_yplm_1.da4](#)

DUT: Panasonic; Type: KX-TGCA35; Serial: SA35BS1128
Program Name: DECT

Communication System: DECT Handset; Frequency: 1924.99 MHz; Duty Cycle: 1:24
Medium parameters used: $f = 1925$ MHz; $\sigma = 1.41$ mho/m; $\epsilon_r = 40.8$; $\rho = 1000$ kg/m³
Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6R - SN1669; ConvF(4.97, 4.97, 4.97); Calibrated: 2/19/2015
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn335; Calibrated: 2/19/2015
- Phantom: SAM 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 (7x14x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.015 mW/g

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

Reference Value = 2.64 V/m; Power Drift = -0.114 dB

Peak SAR (extrapolated) = 0.025 W/kg

SAR(1 g) = 0.014 mW/g; SAR(10 g) = 0.00904 mW/g

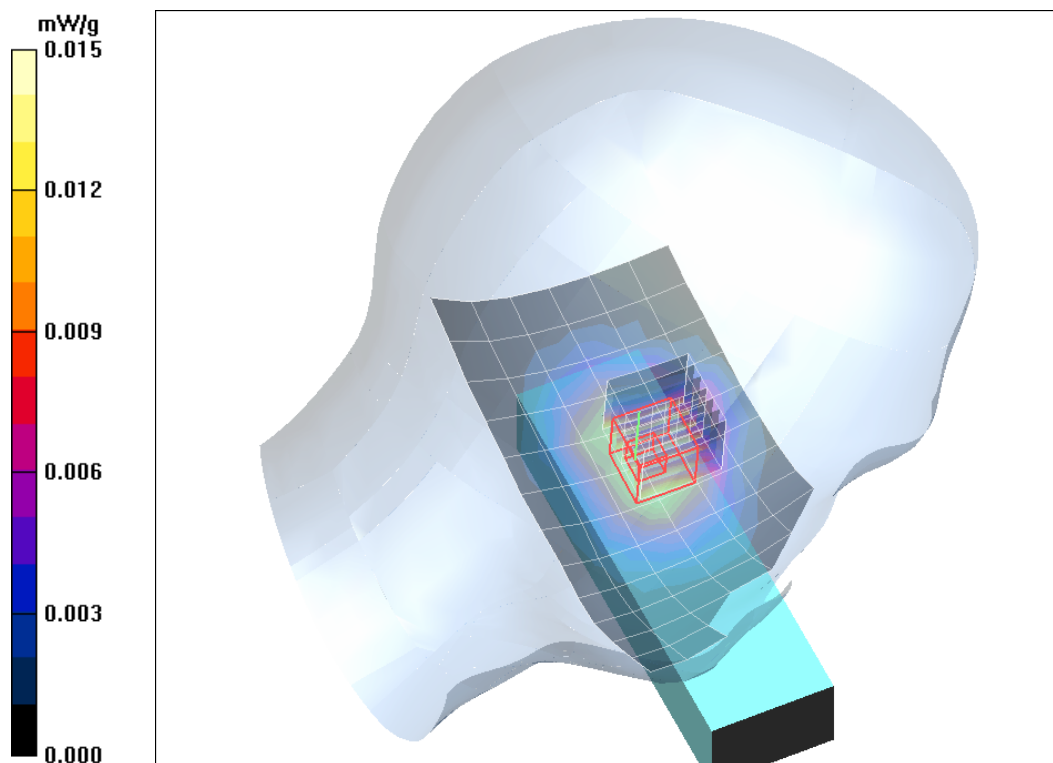


Fig. 1: SAR distribution for DECT US, channel 2, cheek position, left side of head (December 8, 2015)

Test Laboratory: IMST GmbH, DASY Yellow (II); File Name: [TGCA35_yplm_2.da4](#)

DUT: Panasonic; Type: KX-TGCA35; Serial: SA35BS1128
Program Name: DECT

Communication System: DECT Handset; Frequency: 1924.99 MHz; Duty Cycle: 1:24
Medium parameters used: $f = 1925$ MHz; $\sigma = 1.41$ mho/m; $\epsilon_r = 40.8$; $\rho = 1000$ kg/m³
Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6R - SN1669; ConvF(4.97, 4.97, 4.97); Calibrated: 2/19/2015
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn335; Calibrated: 2/19/2015
- Phantom: SAM 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 (7x14x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.009 mW/g

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

Reference Value = 2.62 V/m; Power Drift = -0.020 dB

Peak SAR (extrapolated) = 0.013 W/kg

SAR(1 g) = 0.00846 mW/g; SAR(10 g) = 0.0051 mW/g

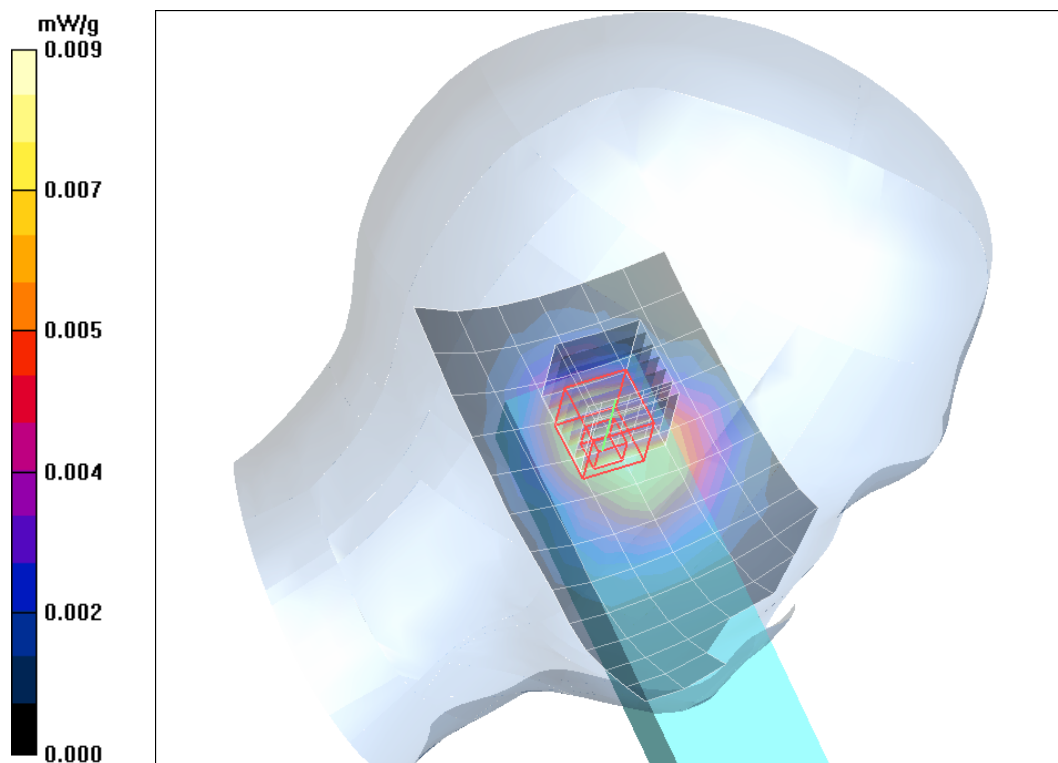


Fig. 2: SAR distribution for DECT US, channel 2, tilted position, left side of head (December 8, 2015)

Test Laboratory: IMST GmbH, DASY Yellow (II); File Name: [TGCA35_yprm_1.da4](#)

DUT: Panasonic; Type: KX-TGCA35; Serial: SA35BS1128
 Program Name: Cheek Right

Communication System: DECT Handset; Frequency: 1924.99 MHz; Duty Cycle: 1:24
 Medium parameters used: $f = 1925 \text{ MHz}$; $\sigma = 1.41 \text{ mho/m}$; $\epsilon_r = 40.8$; $\rho = 1000 \text{ kg/m}^3$
 Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6R - SN1669; ConvF(4.97, 4.97, 4.97); Calibrated: 2/19/2015
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn335; Calibrated: 2/19/2015
- Phantom: SAM 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 (7x14x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.014 mW/g

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

Reference Value = 3.01 V/m; Power Drift = -0.113 dB

Peak SAR (extrapolated) = 0.020 W/kg

SAR(1 g) = 0.013 mW/g; SAR(10 g) = 0.00792 mW/g

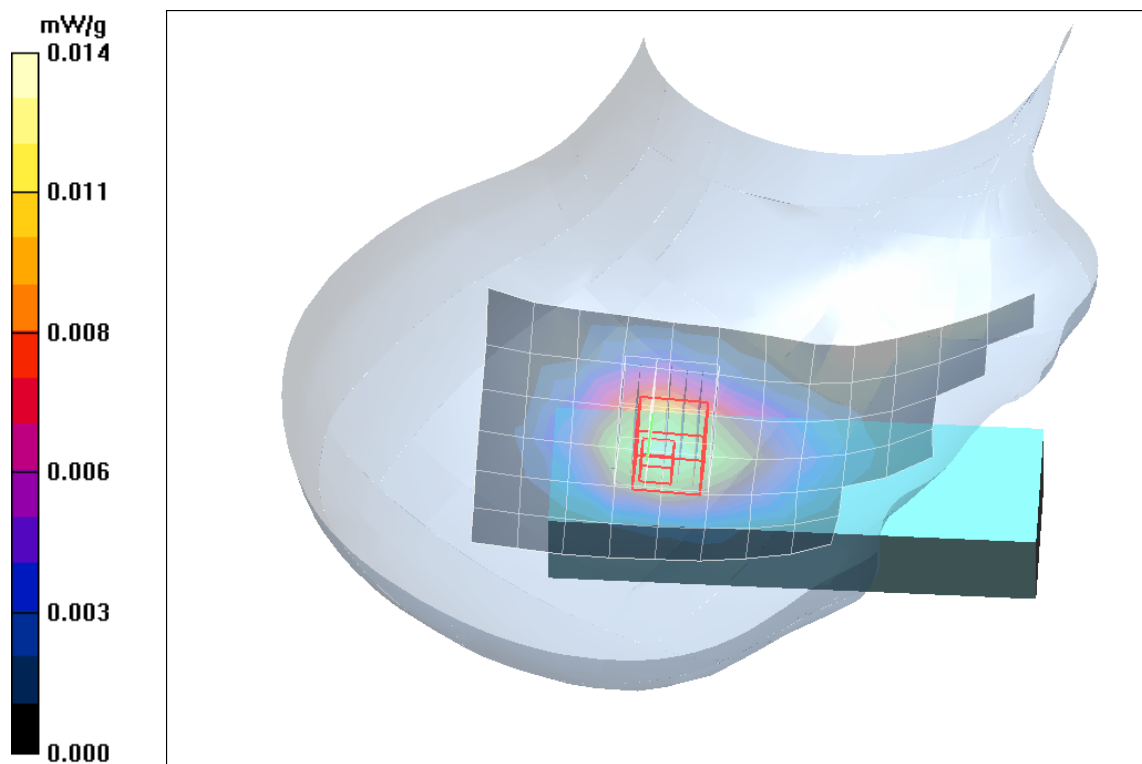


Fig. 3: SAR distribution for DECT US, channel 2, cheek position, right side of head (December 8, 2015)

Test Laboratory: IMST GmbH, DASY Yellow (II); File Name: [TGCA35_yprm_2.da4](#)

DUT: Panasonic; Type: KX-TGCA35; Serial: SA35BS1128
Program Name: DECT

Communication System: DECT Handset; Frequency: 1924.99 MHz; Duty Cycle: 1:24
Medium parameters used: $f = 1925$ MHz; $\sigma = 1.41$ mho/m; $\epsilon_r = 40.8$; $\rho = 1000$ kg/m³
Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6R - SN1669; ConvF(4.97, 4.97, 4.97); Calibrated: 2/19/2015
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn335; Calibrated: 2/19/2015
- Phantom: SAM 1340; Type: QD 000 P40 CB; Serial: TP-1340
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Tilt Right/Area Scan (7x14x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.010 mW/g

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

Reference Value = 2.79 V/m; Power Drift = -0.054 dB

Peak SAR (extrapolated) = 0.014 W/kg

SAR(1 g) = 0.00905 mW/g; SAR(10 g) = 0.00545 mW/g

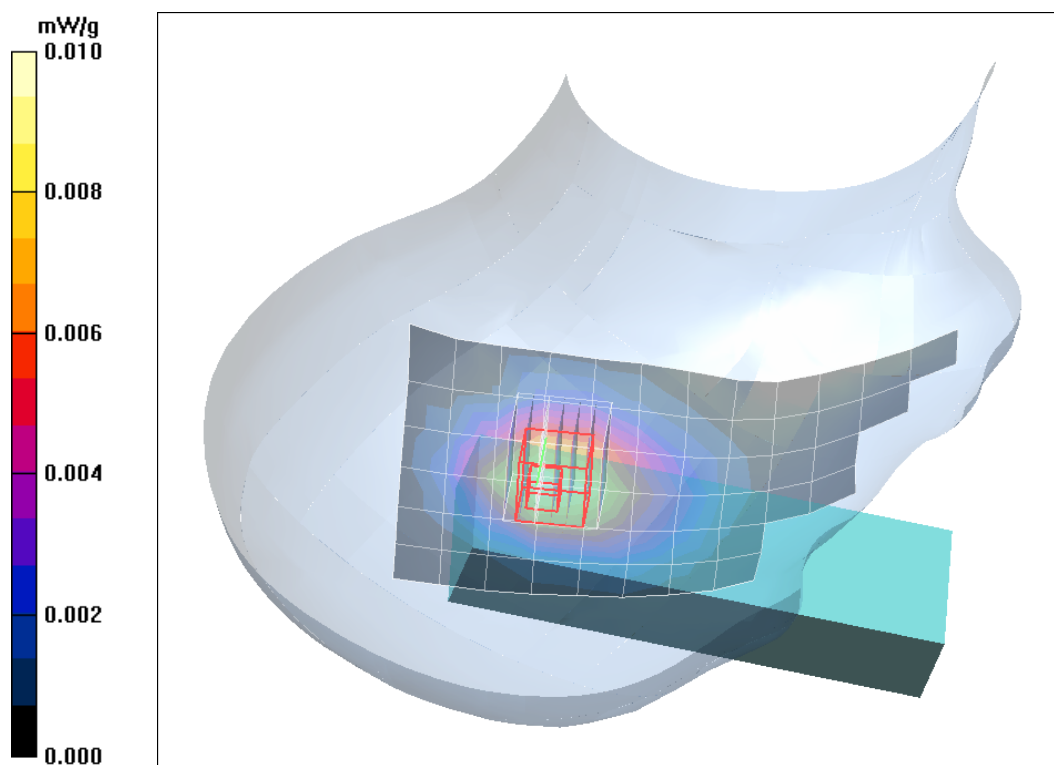


Fig. 4: SAR distribution for DECT US, channel 2, tilted position, right side of head (December 8, 2015)