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Appendix for the SAR Test Report

Dosimetric Assessment of the Portable Device SC14S from Dialog (FCC ID: Y82-SC14S)

According to the FCC Requirements SAR Distribution Plots

November 10, 2014

IMST GmbH

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Customer

Dialog Semiconductors B.V.

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The test results only relate to the items tested.

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1 SAR Distribution Plots, Head Configuration

Test Laboratory: Imst GmbH, DASY Yellow (II); File Name: SC14_yDECTm_1_Head.da4

DUT: DECT Module; Program Name: Body

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

Medium parameters used: f = 1924.99 MHz; $\sigma = 1.39 \text{ mho/m}$; $\varepsilon_r = 40.7$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6R - SN1579; ConvF(5, 5, 5); Calibrated: 28.01.2014

- Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE4 Sn631; Calibrated: 23.07.2014

- 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/Area Scan (10x10x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.306 mW/g

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

Reference Value = 10.8 V/m; Power Drift = -0.062 dB

Peak SAR (extrapolated) = 1.39 W/kg

SAR(1 g) = 0.374 mW/g; SAR(10 g) = 0.151 mW/g

Maximum value of SAR (measured) = 0.461 mW/g

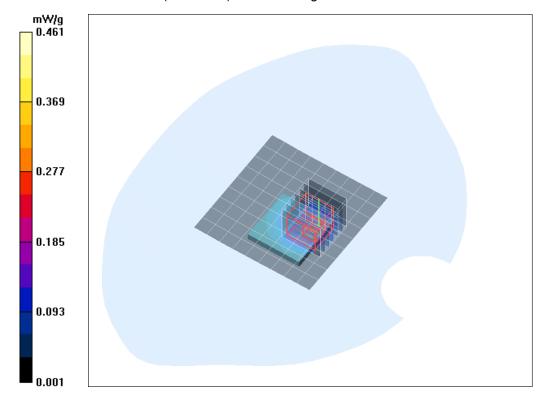


Fig. 1: SAR distribution for Dialog SC14S, head configuration below the flat part of SAM phantom, mid channel, position 1.

2 SAR Distribution Plots, Body Worn Configuration

Test Laboratory: Imst GmbH, DASY Yellow (II); File Name: SC14_yDECThm_1.da4

DUT: DECT Module; Program Name: Body

Communication System: DECT US; Frequency: 1924.99 MHz;Duty Cycle: 1:24 Medium parameters used: f = 1925 MHz; $\sigma = 1.58$ mho/m; $\varepsilon_r = 52.7$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6R - SN1579; ConvF(4.57, 4.57, 4.57); Calibrated: 28.01.2014

- Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE4 Sn631; Calibrated: 23.07.2014

- 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/Area Scan (10x10x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.294 mW/g

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

Reference Value = 9.67 V/m; Power Drift = -0.049 dB

Peak SAR (extrapolated) = 1.05 W/kg

SAR(1 g) = 0.332 mW/g; SAR(10 g) = 0.144 mW/g Maximum value of SAR (measured) = 0.396 mW/g

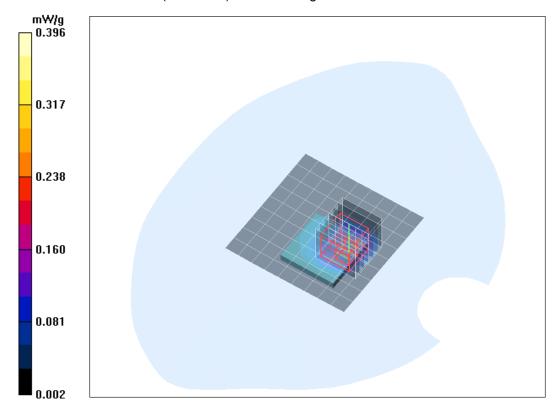


Fig. 2: SAR distribution for Dialog SC14S, body worn configuration, mid channel, position 1

Test Laboratory: Imst GmbH, DASY Yellow (II); File Name: SC14 yDECThm 2.da4

DUT: DECT Module; Program Name: Body

Communication System: DECT US; Frequency: 1928.45 MHz; Duty Cycle: 1:24

Medium parameters used (extrapolated): f = 1928.45 MHz; $\sigma = 1.58 \text{ mho/m}$; $\epsilon_r = 52.7$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6R - SN1579; ConvF(4.57, 4.57, 4.57); Calibrated: 28.01.2014

- Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE4 Sn631; Calibrated: 23.07.2014

- 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/Area Scan (10x10x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.088 mW/g

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

Reference Value = 12.0 V/m; Power Drift = 0.058 dB

Peak SAR (extrapolated) = 0.504 W/kg

SAR(1 g) = 0.126 mW/g; SAR(10 g) = 0.040 mW/g Maximum value of SAR (measured) = 0.189 mW/g

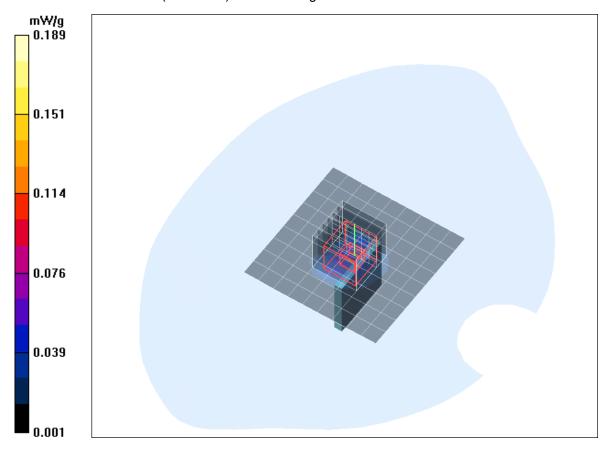


Fig. 3: SAR distribution for Dialog SC14S, body worn configuration, mid channel, position 2