

SAR Compliance Test Report Appendix B

Test report no.:	Salo_SAR_0548_10	Date of report:	2005-12-13
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Responsible test engineer:	Virpi Tuominen	Product contact person:	Tero Huhtala
Measurements made by:	Janne Hirsimäki, Virpi Tuominen		
Tested device:	RM-24		
FCC ID:	PYARM-24	IC:	661V-RM24
Supplement reports:	-		
Documentation:	The documentation of the testing performed on the tested devices is archived for 15 years at TCC Nokia.		
Test results:	The tested device complies with the requirements in respect of all parameters subject to the test. The test results and statements relate only to the items tested. The test report shall not be reproduced except in full, without written approval of the laboratory.		

Date and signatures:

For the contents:

Virpi Tuominen
Test System Manager

APPENDIX B: MEASUREMENT SCANS

Date/Time: 2005-12-01 18:35:54

Test Laboratory: TCC Nokia

Type: RM-24; Program Name: Head Measurement - Left, Advanced Extrapolation, t=20.8 C, Flip closed

Communication System: GSM850; Frequency: 836.6 MHz; Duty Cycle: 1:8.3

Medium parameters used: $f = 837$ MHz; $\sigma = 0.901$ mho/m; $\epsilon_r = 40.6$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1396; ConvF(6.87, 6.87, 6.87); Calibrated: 20.01.2005
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn372; Calibrated: 18.08.2005
- Phantom: SAM 2; Type: Twin SAM 040 CA; Serial: TP - 1177
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 159

Cheek position/Area Scan (41x91x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.911 mW/g

Cheek position/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

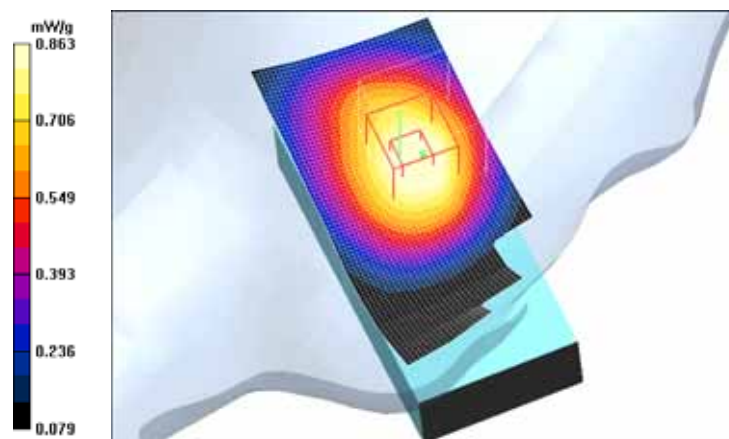
Reference Value = 25.6 V/m; Power Drift = -0.112 dB

Peak SAR (extrapolated) = 1.10 W/kg

SAR(1 g) = 0.828 mW/g; SAR(10 g) = 0.605 mW/g

Maximum averaged SAR over 10 g is located on the boundary of the measurement cube. This cube might not incorporate the absolute averaged SAR.

Maximum value of SAR (measured) = 0.863 mW/g



Date/Time: 2005-12-05 16:29:38

Test Laboratory: TCC Nokia

Type: RM-24; Program Name: Head Measurement - Right, Advanced Extrapolation, t=21.9 C, Flip closed, MU-card, BT active

Communication System: GSM850; Frequency: 836.6 MHz; Duty Cycle: 1:8.3

Medium parameters used: $f = 837$ MHz; $\sigma = 0.902$ mho/m; $\epsilon_r = 40.9$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1396; ConvF(6.87, 6.87, 6.87); Calibrated: 20.01.2005
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn372; Calibrated: 18.08.2005
- Phantom: SAM 2; Type: Twin SAM 040 CA; Serial: TP - 1177
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 159

Cheek position/Area Scan (41x91x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.905 mW/g

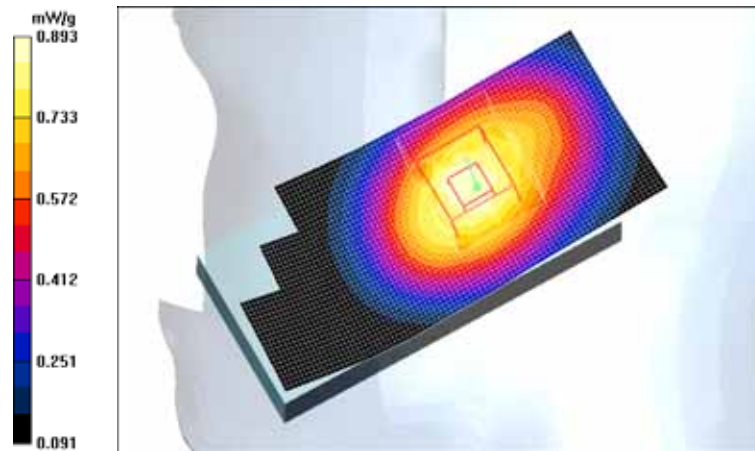
Cheek position/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 25.6 V/m; Power Drift = -0.130 dB

Peak SAR (extrapolated) = 1.07 W/kg

SAR(1 g) = 0.845 mW/g; SAR(10 g) = 0.617 mW/g

Maximum value of SAR (measured) = 0.893 mW/g



Date/Time: 2005-12-02 08:22:09

Test Laboratory: TCC Nokia

Program Name: Head Measurement - Left, Advanced Extrapolation, t=21.5 C, Flip open

Communication System: 2-Slot GPRS850; Frequency: 836.6 MHz; Duty Cycle: 1:4.2

Medium parameters used: $f = 837$ MHz; $\sigma = 0.899$ mho/m; $\epsilon_r = 40.5$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1396; ConvF(6.87, 6.87, 6.87); Calibrated: 20.01.2005
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn372; Calibrated: 18.08.2005
- Phantom: SAM 2; Type: Twin SAM 040 CA; Serial: TP - 1177
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 159

Cheek position/Area Scan (41x121x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.830 mW/g

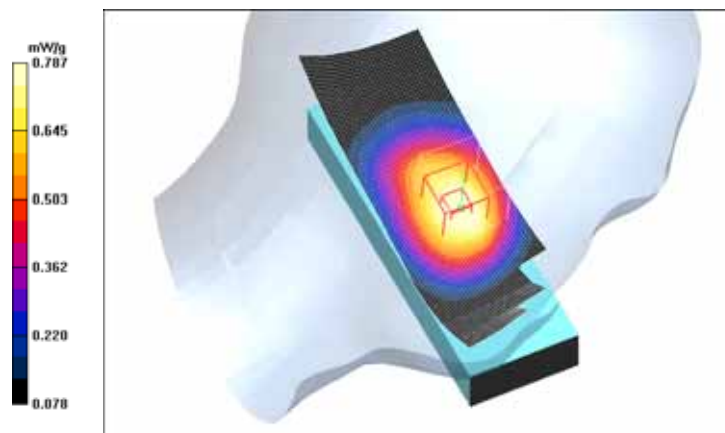
Cheek position/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 25.6 V/m; Power Drift = -0.159 dB

Peak SAR (extrapolated) = 0.970 W/kg

SAR(1 g) = 0.742 mW/g; SAR(10 g) = 0.536 mW/g

Maximum value of SAR (measured) = 0.787 mW/g



Date/Time: 2005-12-02 08:53:07

Test Laboratory: TCC Nokia

Type: RM-24; Program Name: Head Measurement - Left, Advanced Extrapolation, t=21.2 C, Flip open

Communication System: 2-SLOT GPRS850; Frequency: 836.6 MHz; Duty Cycle: 1:4.2

Medium parameters used: $f = 837$ MHz; $\sigma = 0.899$ mho/m; $\epsilon_r = 40.5$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1396; ConvF(6.87, 6.87, 6.87); Calibrated: 20.01.2005
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn372; Calibrated: 18.08.2005
- Phantom: SAM 2; Type: Twin SAM 040 CA; Serial: TP - 1177
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 159

Tilt position/Area Scan (41x121x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.491 mW/g

Tilt position/Zoom Scan 2 (5x6x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 23.6 V/m; Power Drift = -0.065 dB

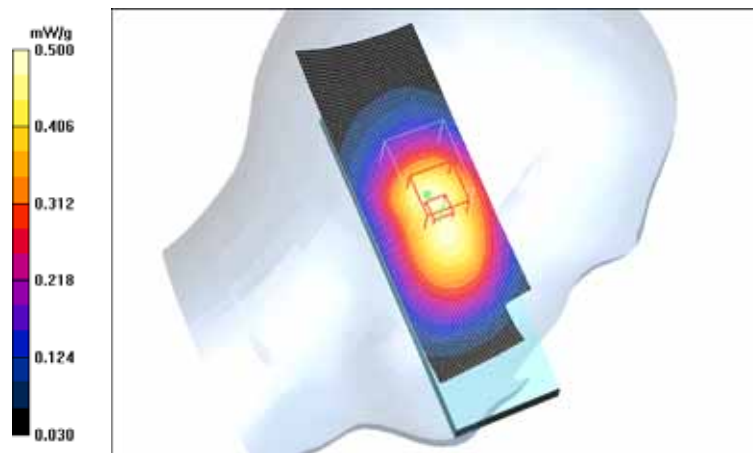
Peak SAR (extrapolated) = 0.675 W/kg

SAR(1 g) = 0.457 mW/g; SAR(10 g) = 0.326 mW/g

Maximum averaged SAR over 1 g is located on the boundary of the measurement cube. This cube might not incorporate the absolute averaged SAR.

Maximum averaged SAR over 10 g is located on the boundary of the measurement cube. This cube might not incorporate the absolute averaged SAR.

Maximum value of SAR (measured) = 0.500 mW/g



Date/Time: 2005-12-02 13:54:57

Test Laboratory: TCC Nokia

Type: RM-24; Program Name: Head Measurement - Right, Advanced Extrapolation, t=20.3 C, Flip open

Communication System: 2-SLOT GPRS850; Frequency: 836.6 MHz; Duty Cycle: 1:4.2

Medium parameters used: $f = 837$ MHz; $\sigma = 0.899$ mho/m; $\epsilon_r = 40.5$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1396; ConvF(6.87, 6.87, 6.87); Calibrated: 20.01.2005
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn372; Calibrated: 18.08.2005
- Phantom: SAM 2; Type: Twin SAM 040 CA; Serial: TP - 1177
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 159

Cheek position/Area Scan (41x121x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.858 mW/g

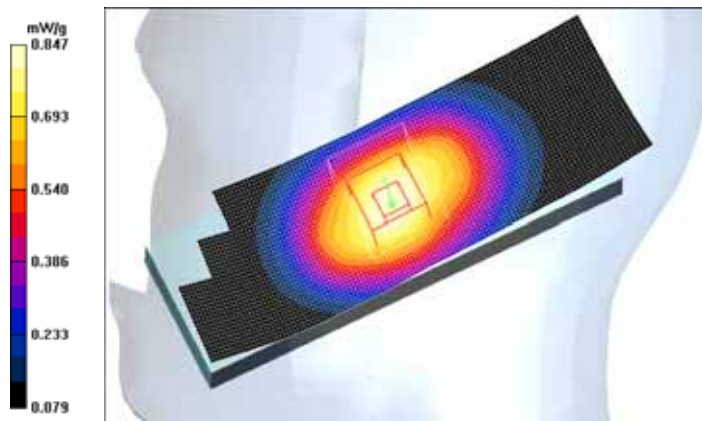
Cheek position/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 27.4 V/m; Power Drift = -0.196 dB

Peak SAR (extrapolated) = 1.03 W/kg

SAR(1 g) = 0.799 mW/g; SAR(10 g) = 0.577 mW/g

Maximum value of SAR (measured) = 0.847 mW/g



Date/Time: 2005-12-02 13:11:02

Test Laboratory: TCC Nokia

Type: RM-24; Program Name: Head Measurement - Right, Advanced Extrapolation, t=20.4 C, Flip open

Communication System: 2-SLOT GPRS850; Frequency: 836.6 MHz; Duty Cycle: 1:4.2

Medium parameters used: $f = 837$ MHz; $\sigma = 0.899$ mho/m; $\epsilon_r = 40.5$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1396; ConvF(6.87, 6.87, 6.87); Calibrated: 20.01.2005
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn372; Calibrated: 18.08.2005
- Phantom: SAM 2; Type: Twin SAM 040 CA; Serial: TP - 1177
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 159

Tilt position/Area Scan (41x121x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.540 mW/g

Tilt position/Zoom Scan 2 2 (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

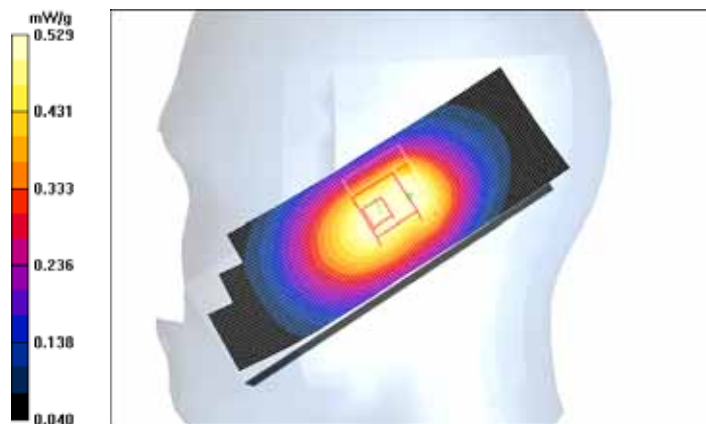
Reference Value = 24.6 V/m; Power Drift = -0.199 dB

Peak SAR (extrapolated) = 0.702 W/kg

SAR(1 g) = 0.499 mW/g; SAR(10 g) = 0.357 mW/g

Maximum averaged SAR over 10 g is located on the boundary of the measurement cube. This cube might not incorporate the absolute averaged SAR.

Maximum value of SAR (measured) = 0.529 mW/g



Date/Time: 2005-12-07 08:16:38

Test Laboratory: TCC Nokia

Type: RM-24; Program Name: Head Measurement - Right, Advanced Extrapolation, t=21.6 C, open, MU-card

Communication System: 2-SLOT GPRS850; Frequency: 836.6 MHz; Duty Cycle: 1:4.2

Medium parameters used: $f = 837$ MHz; $\sigma = 0.91$ mho/m; $\epsilon_r = 41.2$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1396; ConvF(6.87, 6.87, 6.87); Calibrated: 20.01.2005
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn372; Calibrated: 18.08.2005
- Phantom: SAM 2; Type: Twin SAM 040 CA; Serial: TP - 1177
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 159

Cheek position, MU/Area Scan (41x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.873 mW/g

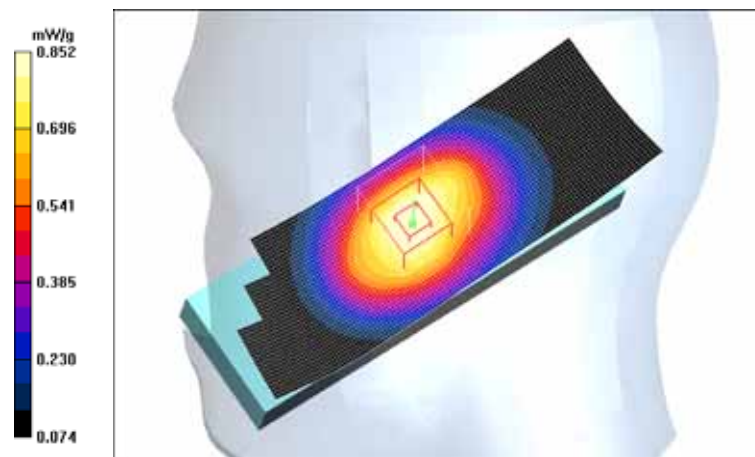
Cheek position, MU/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 26.7 V/m; Power Drift = -0.108 dB

Peak SAR (extrapolated) = 1.04 W/kg

SAR(1 g) = 0.802 mW/g; SAR(10 g) = 0.578 mW/g

Maximum value of SAR (measured) = 0.852 mW/g



Date/Time: 2005-12-01 19:01:18

Test Laboratory: TCC Nokia

Type: RM-24; Program Name: Head Measurement - Left, Advanced Extrapolation, t=20.5 C, Flip closed

Communication System: 2-SLOT GPRS850; Frequency: 836.6 MHz; Duty Cycle: 1:4.2

Medium parameters used: $f = 837$ MHz; $\sigma = 0.901$ mho/m; $\epsilon_r = 40.6$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1396; ConvF(6.87, 6.87, 6.87); Calibrated: 20.01.2005
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn372; Calibrated: 18.08.2005
- Phantom: SAM 2; Type: Twin SAM 040 CA; Serial: TP - 1177
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 159

Cheek position/Area Scan (41x91x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.913 mW/g

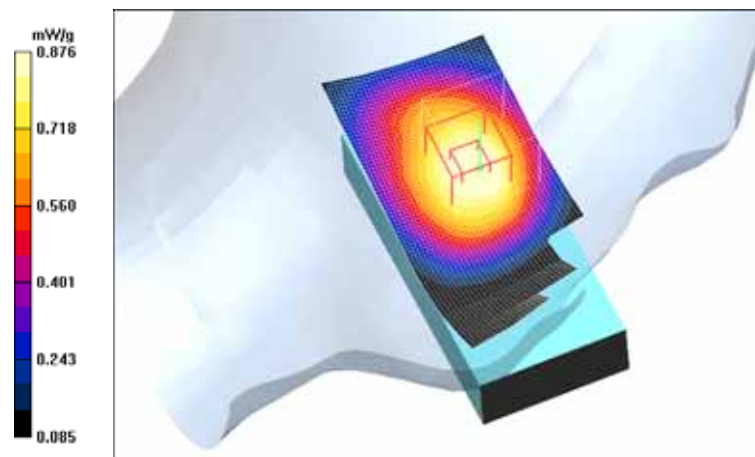
Cheek position/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 25.5 V/m; Power Drift = -0.162 dB

Peak SAR (extrapolated) = 1.09 W/kg

SAR(1 g) = 0.839 mW/g; SAR(10 g) = 0.619 mW/g

Maximum value of SAR (measured) = 0.876 mW/g



Date/Time: 2005-12-01 19:22:04

Test Laboratory: TCC Nokia

Type: RM-24; Program Name: Head Measurement - Left, Advanced Extrapolation, t=20.5 C, Flip closed

Communication System: 2-SLOT GPRS850; Frequency: 836.6 MHz; Duty Cycle: 1:4.2

Medium parameters used: $f = 837$ MHz; $\sigma = 0.901$ mho/m; $\epsilon_r = 40.6$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1396; ConvF(6.87, 6.87, 6.87); Calibrated: 20.01.2005
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn372; Calibrated: 18.08.2005
- Phantom: SAM 2; Type: Twin SAM 040 CA; Serial: TP - 1177
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 159

Tilt position/Area Scan (41x91x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.525 mW/g

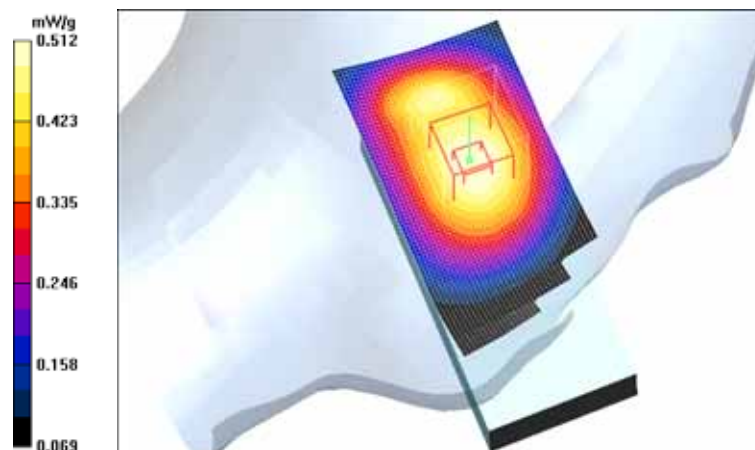
Tilt position/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 23.5 V/m; Power Drift = -0.153 dB

Peak SAR (extrapolated) = 0.612 W/kg

SAR(1 g) = 0.489 mW/g; SAR(10 g) = 0.360 mW/g

Maximum value of SAR (measured) = 0.512 mW/g



Date/Time: 2005-12 02 10:55:54

Test Laboratory: TCC Nokia

Type: RM-24; Program Name: Head Measurement - Right, Advanced Extrapolation, t=20.7 C, Flip closed

Communication System: 2-SLOT GPRS850; Frequency: 836.6 MHz; Duty Cycle: 1:4.2

Medium parameters used: $f = 837$ MHz; $\sigma = 0.899$ mho/m; $\epsilon_r = 40.5$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1396; ConvF(6.87, 6.87, 6.87); Calibrated: 20.01.2005
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn372; Calibrated: 18.08.2005
- Phantom: SAM 2; Type: Twin SAM 040 CA; Serial: TP - 1177
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 159

Cheek position/Area Scan (41x91x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.909 mW/g

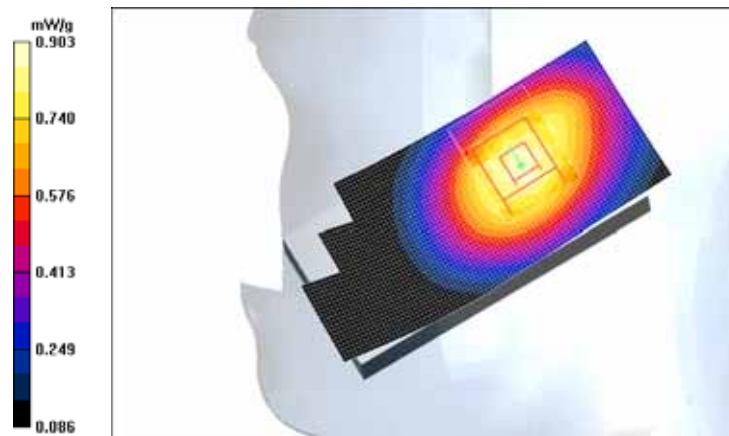
Cheek position/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 26.3 V/m; Power Drift = -0.170 dB

Peak SAR (extrapolated) = 1.10 W/kg

SAR(1 g) = 0.850 mW/g; SAR(10 g) = 0.622 mW/g

Maximum value of SAR (measured) = 0.903 mW/g



Date/Time: 2005-12-02 12:05:02

Test Laboratory: TCC Nokia

Type: RM-24; Program Name: Head Measurement - Right, Advanced Extrapolation, t=20.5 C, closed

Communication System: 2-SLOT GPRS850; Frequency: 836.6 MHz; Duty Cycle: 1:4.2

Medium parameters used: $f = 837$ MHz; $\sigma = 0.899$ mho/m; $\epsilon_r = 40.5$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1396; ConvF(6.87, 6.87, 6.87); Calibrated: 20.01.2005
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn372; Calibrated: 18.08.2005
- Phantom: SAM 2; Type: Twin SAM 040 CA; Serial: TP - 1177
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 159

Tilt position/Area Scan (41x91x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.526 mW/g

Tilt position/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 23.0 V/m; Power Drift = -0.114 dB

Peak SAR (extrapolated) = 0.717 W/kg

SAR(1 g) = 0.458 mW/g; SAR(10 g) = 0.320 mW/g

Maximum averaged SAR over 10 g is located on the boundary of the measurement cube. This cube might not incorporate the absolute averaged SAR.

Maximum value of SAR (measured) = 0.491 mW/g

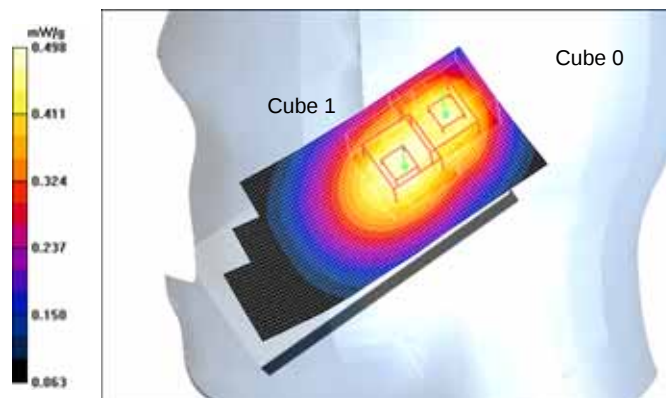
Tilt position/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 23.0 V/m; Power Drift = -0.114 dB

Peak SAR (extrapolated) = 0.601 W/kg

SAR(1 g) = 0.475 mW/g; SAR(10 g) = 0.349 mW/g

Maximum value of SAR (measured) = 0.498 mW/g



Date/Time: 2005-12-02 16:41:49

Test Laboratory: TCC Nokia

Type: RM-24; Program Name: Head Measurement - Right, Advanced Extrapolation, t=20.0 C, closed, MU-card, BT

Communication System: 2-SLOT GPRS850; Frequency: 836.6 MHz; Duty Cycle: 1:4.2

Medium parameters used: $f = 837$ MHz; $\sigma = 0.899$ mho/m; $\epsilon_r = 40.5$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1396; ConvF(6.87, 6.87, 6.87); Calibrated: 20.01.2005
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn372; Calibrated: 18.08.2005
- Phantom: SAM 2; Type: Twin SAM 040 CA; Serial: TP - 1177
- Measurement SW: DASY4, V4.6 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 159

Cheek position/Area Scan (41x91x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.936 mW/g

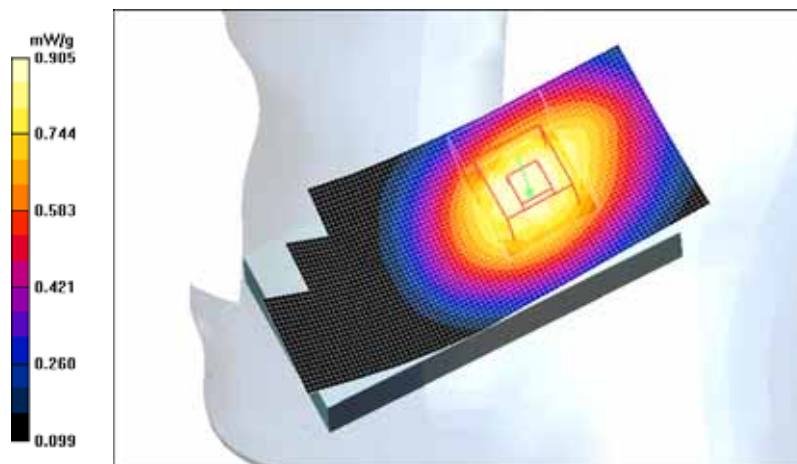
Cheek position/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

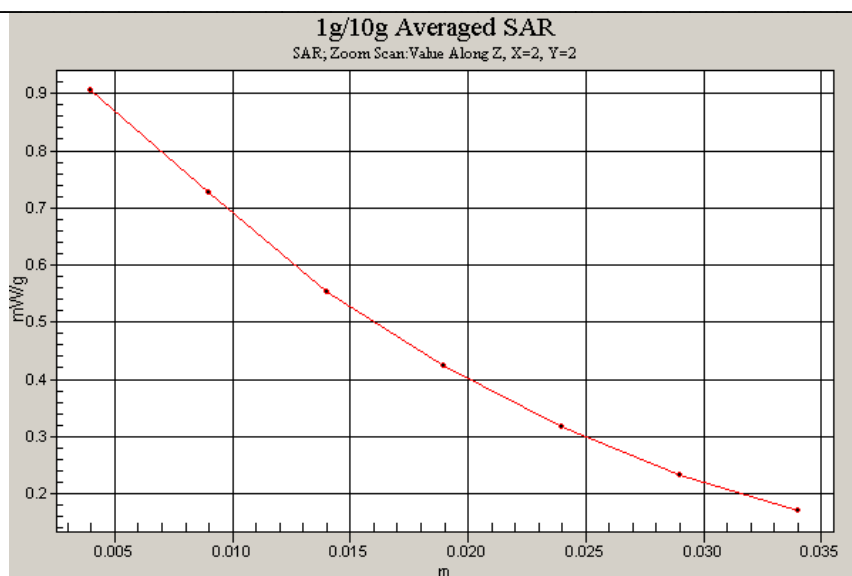
Reference Value = 26.4 V/m; Power Drift = -0.160 dB

Peak SAR (extrapolated) = 1.10 W/kg

SAR(1 g) = 0.862 mW/g; SAR(10 g) = 0.634 mW/g

Maximum value of SAR (measured) = 0.905 mW/g





Date/Time: 2005-12-05 18:03:44

Test Laboratory: TCC Nokia

Type: RM-24; Program Name: Head Measurement - Right, Advanced Extrapolation, t=21.6 C, closed, MU, BT

Communication System: 2-slot EGPRS850; Frequency: 836 MHz; Duty Cycle: 1:4.2

Medium parameters used: $f = 836 \text{ MHz}$; $\sigma = 0.902 \text{ mho/m}$; $\epsilon_r = 40.9$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1396; ConvF(6.87, 6.87, 6.87); Calibrated: 20.01.2005
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn372; Calibrated: 18.08.2005
- Phantom: SAM 2; Type: Twin SAM 040 CA; Serial: TP - 1177
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 159

Cheek position/Area Scan (41x91x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.441 mW/g

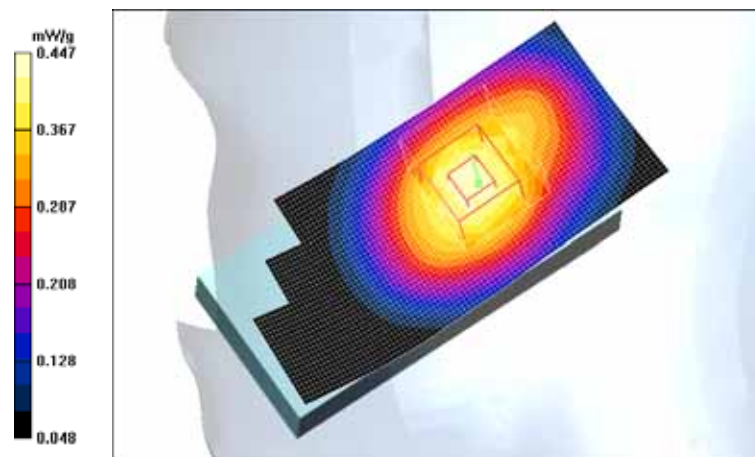
Cheek position/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 18.4 V/m; Power Drift = -0.289 dB

Peak SAR (extrapolated) = 0.544 W/kg

SAR(1 g) = 0.419 mW/g; SAR(10 g) = 0.306 mW/g

Maximum value of SAR (measured) = 0.447 mW/g



Date/Time: 2005-11-29 16:47:36

Test Laboratory: TCC Nokia

Type: RM-24; Program Name: Head Measurement - Left, Advanced Extrapolation, t=21.1 C, Flip open

Communication System: GSM1900; Frequency: 1880 MHz; Duty Cycle: 1:8.3

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.4$ mho/m; $\epsilon_r = 38.6$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1396; ConvF(5.25, 5.25, 5.25); Calibrated: 20.01.2005
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn372; Calibrated: 18.08.2005
- Phantom: SAM 2; Type: Twin SAM 040 CA; Serial: TP - 1177
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 159

Tilt position/Area Scan (41x121x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.528 mW/g

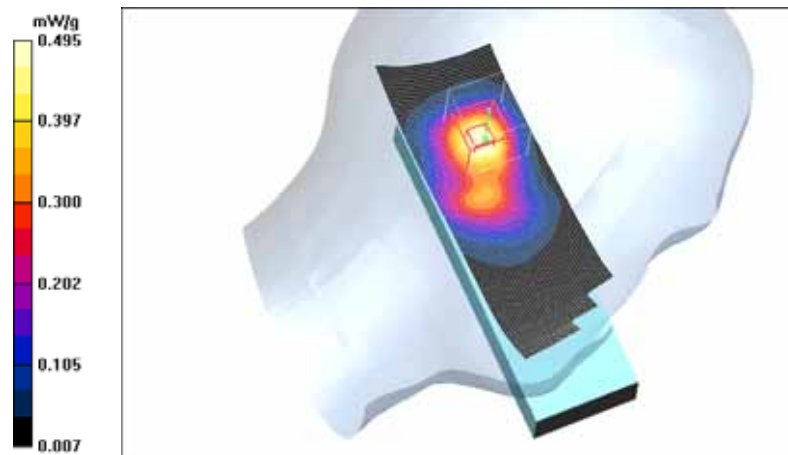
Tilt position/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 16.7 V/m; Power Drift = -0.121 dB

Peak SAR (extrapolated) = 0.631 W/kg

SAR(1 g) = 0.452 mW/g; SAR(10 g) = 0.276 mW/g

Maximum value of SAR (measured) = 0.495 mW/g



Date/Time: 2005-11-29 17:53:48

Test Laboratory: TCC Nokia

Type: RM-24; Program Name: Head Measurement - Left, Advanced Extrapolation, t=20.8 C, Flip open

Communication System: 2-slot GPRS1900; Frequency: 1880 MHz; Duty Cycle: 1:4.2

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.4$ mho/m; $\epsilon_r = 38.6$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1396; ConvF(5.25, 5.25, 5.25); Calibrated: 20.01.2005
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn372; Calibrated: 18.08.2005
- Phantom: SAM 2; Type: Twin SAM 040 CA; Serial: TP - 1177
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 159

Cheek position/Area Scan (41x121x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.380 mW/g

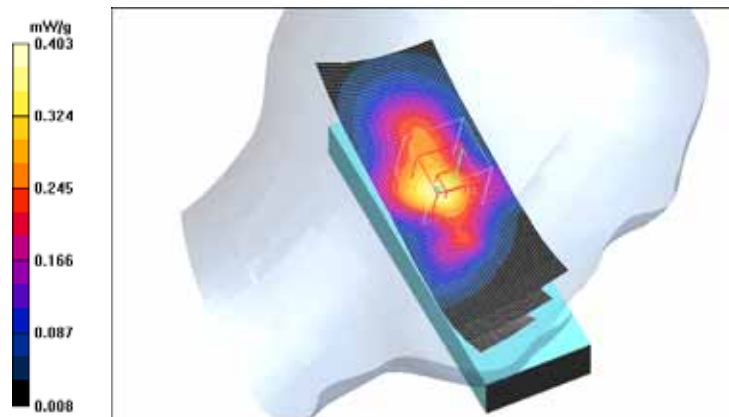
Cheek position/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 17.0 V/m; Power Drift = -0.261 dB

Peak SAR (extrapolated) = 0.559 W/kg

SAR(1 g) = 0.364 mW/g; SAR(10 g) = 0.211 mW/g

Maximum value of SAR (measured) = 0.403 mW/g



Date/Time: 2005-11-29 17:20:41

Test Laboratory: TCC Nokia

Type: RM-24; Program Name: Head Measurement - Left, Advanced Extrapolation, t=21.0 C, Flip open

Communication System: 2-slot GPRS1900; Frequency: 1880 MHz; Duty Cycle: 1:4.2

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.4$ mho/m; $\epsilon_r = 38.6$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1396; ConvF(5.25, 5.25, 5.25); Calibrated: 20.01.2005
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn372; Calibrated: 18.08.2005
- Phantom: SAM 2; Type: Twin SAM 040 CA; Serial: TP - 1177
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 159

Tilt position/Area Scan (41x121x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.564 mW/g

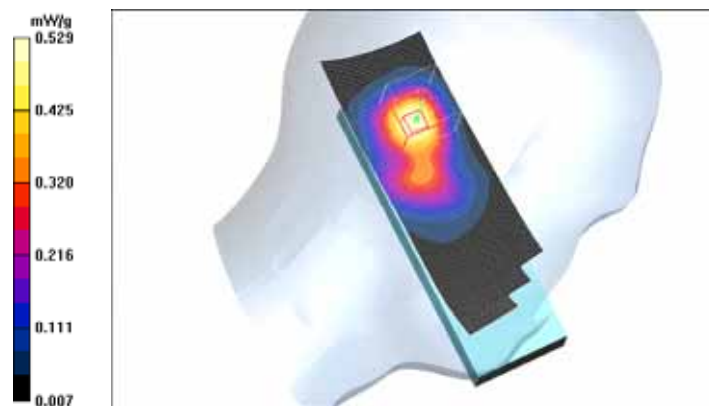
Tilt position/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 17.0 V/m; Power Drift = -0.124 dB

Peak SAR (extrapolated) = 0.677 W/kg

SAR(1 g) = 0.492 mW/g; SAR(10 g) = 0.297 mW/g

Maximum value of SAR (measured) = 0.529 mW/g



Date/Time: 30.11.2005-11-30 10:45:05

Test Laboratory: TCC Nokia

Type: RM-24; Program Name: Head Measurement - Right, Advanced Extrapolation, t=21.2 C, Flip open

Communication System: 2-slot GPRS1900; Frequency: 1850.2 MHz; Duty Cycle: 1:4.2

Medium parameters used (interpolated): $f = 1850.2$ MHz; $\sigma = 1.37$ mho/m; $\epsilon_r = 38.6$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1396; ConvF(5.25, 5.25, 5.25); Calibrated: 20.01.2005
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection (Locations From Previous Scan Used))
- Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn372; Calibrated: 18.08.2005
- Phantom: SAM 2; Type: Twin SAM 040 CA; Serial: TP - 1177
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 159

Cheek position low, 20.8/Area Scan (41x121x1): Measurement grid: dx=15mm, dy=15mm

Info: [Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.626 mW/g

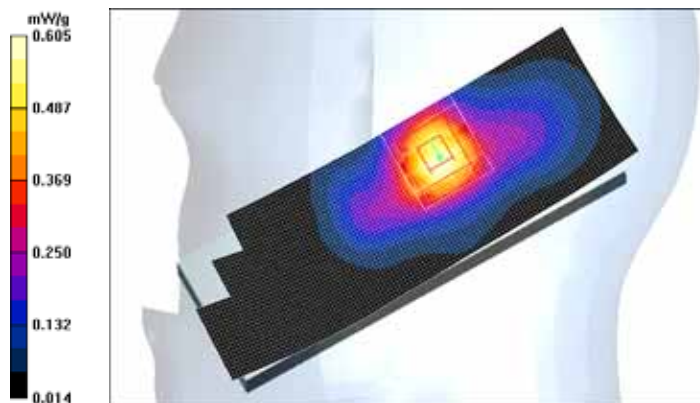
Cheek position low, 20.8/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 18.8 V/m; Power Drift = -0.090 dB

Peak SAR (extrapolated) = 0.918 W/kg

SAR(1 g) = 0.548 mW/g; SAR(10 g) = 0.307 mW/g

Maximum value of SAR (measured) = 0.605 mW/g



Date/Time: 2005-11-30 10:19:40

Test Laboratory: TCC Nokia

Type: RM-24; Program Name: Head Measurement - Right, Advanced Extrapolation, t=20.9 C, Flip open

Communication System: 2-slot GPRS1900; Frequency: 1880 MHz; Duty Cycle: 1:4.2

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.39$ mho/m; $\epsilon_r = 38.5$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1396; ConvF(5.25, 5.25, 5.25); Calibrated: 20.01.2005
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn372; Calibrated: 18.08.2005
- Phantom: SAM 2; Type: Twin SAM 040 CA; Serial: TP - 1177
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 159

Tilt position/Area Scan (41x121x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.524 mW/g

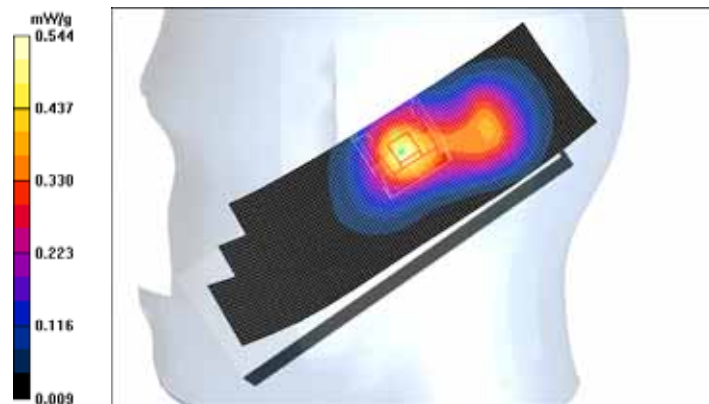
Tilt position/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 17.4 V/m; Power Drift = -0.065 dB

Peak SAR (extrapolated) = 0.858 W/kg

SAR(1 g) = 0.478 mW/g; SAR(10 g) = 0.253 mW/g

Maximum value of SAR (measured) = 0.544 mW/g



Date/Time: 2005-11-29 18:19:41

Test Laboratory: TCC Nokia

Type: RM-24; Program Name: Head Measurement - Left, Advanced Extrapolation, t=20.7 C, Flip closed

Communication System: 2-slot GPRS1900; Frequency: 1880 MHz; Duty Cycle: 1:4.2

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.4$ mho/m; $\epsilon_r = 38.6$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1396; ConvF(5.25, 5.25, 5.25); Calibrated: 20.01.2005
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn372; Calibrated: 18.08.2005
- Phantom: SAM 2; Type: Twin SAM 040 CA; Serial: TP - 1177
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 159

Cheek position/Area Scan (41x91x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.398 mW/g

Cheek position/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

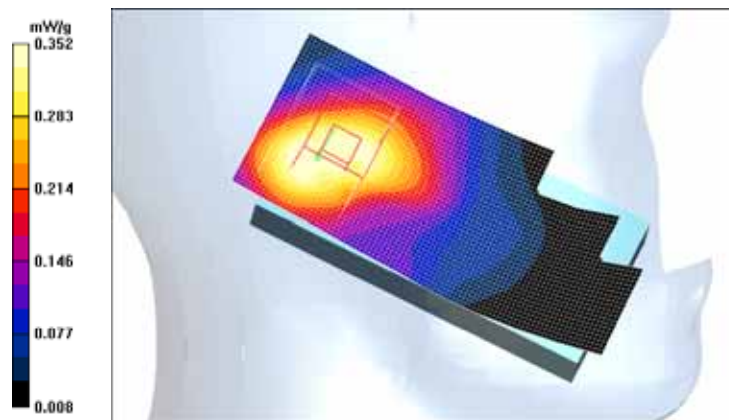
Reference Value = 15.7 V/m; Power Drift = -0.163 dB

Peak SAR (extrapolated) = 0.492 W/kg

SAR(1 g) = 0.331 mW/g; SAR(10 g) = 0.214 mW/g

Maximum averaged SAR over 10 g is located on the boundary of the measurement cube. This cube might not incorporate the absolute averaged SAR.

Maximum value of SAR (measured) = 0.352 mW/g



Date/Time: 2005-11-29 18:42:34

Test Laboratory: TCC Nokia

Type: RM-24; Program Name: Head Measurement - Left, Advanced Extrapolation, t=20.5 C, Flip closed

Communication System: 2-slot GPRS1900; Frequency: 1880 MHz; Duty Cycle: 1:4.2

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.4$ mho/m; $\epsilon_r = 38.6$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1396; ConvF(5.25, 5.25, 5.25); Calibrated: 20.01.2005
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn372; Calibrated: 18.08.2005
- Phantom: SAM 2; Type: Twin SAM 040 CA; Serial: TP - 1177
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 159

Tilt position/Area Scan (41x91x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.494 mW/g

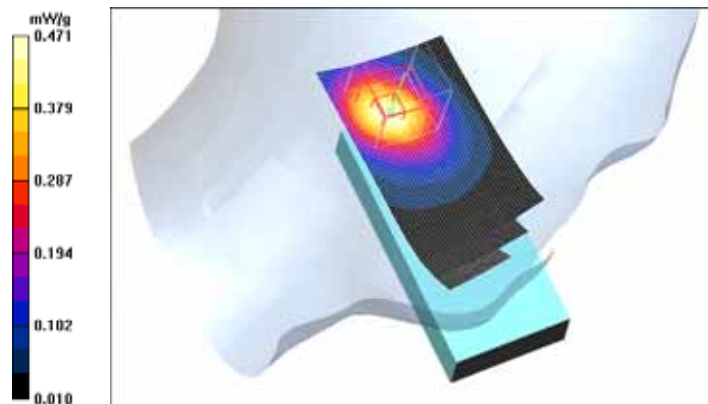
Tilt position/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 18.0 V/m; Power Drift = -0.108 dB

Peak SAR (extrapolated) = 0.671 W/kg

SAR(1 g) = 0.427 mW/g; SAR(10 g) = 0.251 mW/g

Maximum value of SAR (measured) = 0.471 mW/g



Date/Time: 2005-11-29 19:32:05

Test Laboratory: TCC Nokia

Type: RM-24; Program Name: Head Measurement - Advanced Case Extrapolation, t=20.7 C, Flip closed

Communication System: 2-slot GPRS1900; Frequency: 1880 MHz; Duty Cycle: 1:4.2

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.4$ mho/m; $\epsilon_r = 38.6$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1396; ConvF(5.25, 5.25, 5.25); Calibrated: 20.01.2005
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn372; Calibrated: 18.08.2005
- Phantom: SAM 2; Type: Twin SAM 040 CA; Serial: TP - 1177
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 159

Cheek position/Area Scan (41x91x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.466 mW/g

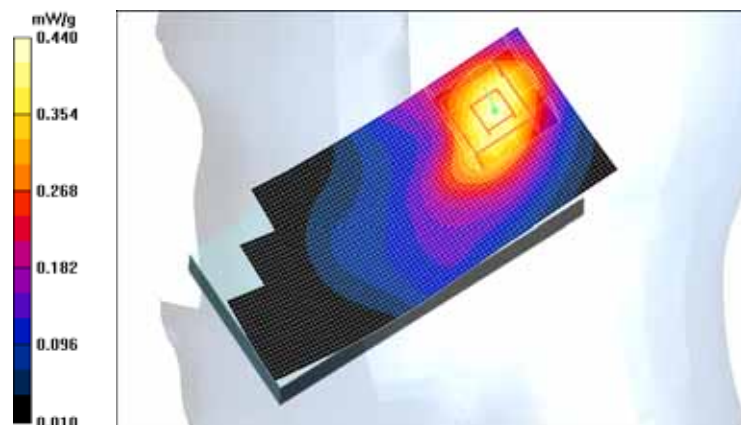
Cheek position/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 16.4 V/m; Power Drift = -0.088 dB

Peak SAR (extrapolated) = 0.683 W/kg

SAR(1 g) = 0.404 mW/g; SAR(10 g) = 0.242 mW/g

Maximum value of SAR (measured) = 0.440 mW/g



Date/Time: 2005-11-30 12:20:59

Test Laboratory: TCC Nokia

Type: RM-24; Program Name: Head Measurement - Right, Advanced Extrapolation, t=20.5 C, Flip closed

Communication System: 2-slot GPRS1900; Frequency: 1850.2 MHz; Duty Cycle: 1:4.2

Medium parameters used (interpolated): $f = 1850.2$ MHz; $\sigma = 1.37$ mho/m; $\epsilon_r = 38.6$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1396; ConvF(5.25, 5.25, 5.25); Calibrated: 20.01.2005
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn372; Calibrated: 18.08.2005
- Phantom: SAM 2; Type: Twin SAM 040 CA; Serial: TP - 1177
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 159

Tilt position, low/Area Scan (41x101x1): Measurement grid: dx=15mm, dy=15mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.575 mW/g

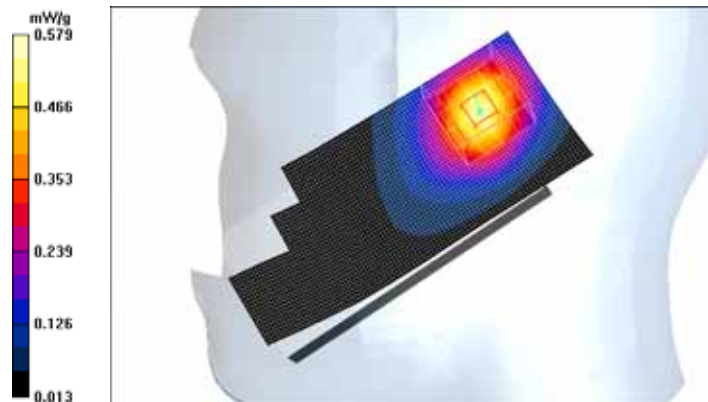
Tilt position, low/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 19.8 V/m; Power Drift = 0.024 dB

Peak SAR (extrapolated) = 0.845 W/kg

SAR(1 g) = 0.522 mW/g; SAR(10 g) = 0.300 mW/g

Maximum value of SAR (measured) = 0.579 mW/g



Date/Time: 2005-11-30 13:26:36

Test Laboratory: TCC Nokia

Type: RM-24; Program Name: Head Measurement - Right, Advanced Extrapolation, t=21.2 C, Flip open, MU-card

Communication System: 2-slot GPRS1900; Frequency: 1850.2 MHz; Duty Cycle: 1:4.2

Medium parameters used (interpolated): $f = 1850.2$ MHz; $\sigma = 1.37$ mho/m; $\epsilon_r = 38.6$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1396; ConvF(5.25, 5.25, 5.25); Calibrated: 20.01.2005
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection (Locations From Previous Scan Used))
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn372; Calibrated: 18.08.2005
- Phantom: SAM 2; Type: Twin SAM 040 CA; Serial: TP - 1177
- Measurement SW: DASY4, V4.6 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 159

Cheek position low, MU,20.2/Area Scan (41x121x1): Measurement grid: dx=15mm, dy=15mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.639 mW/g

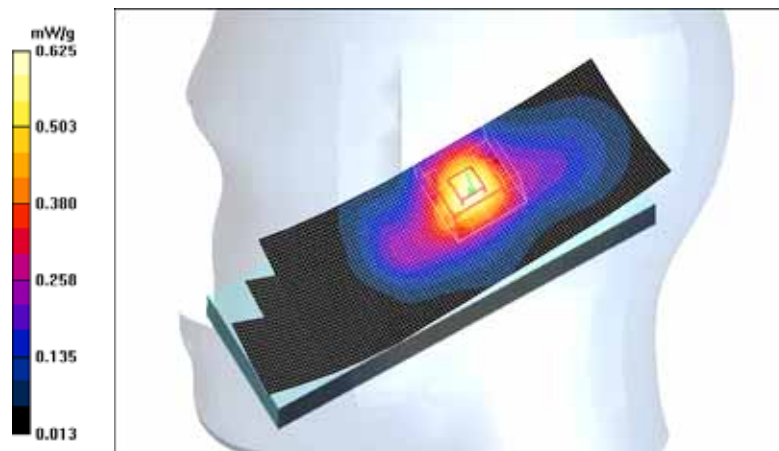
Cheek position low, MU,20.2/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

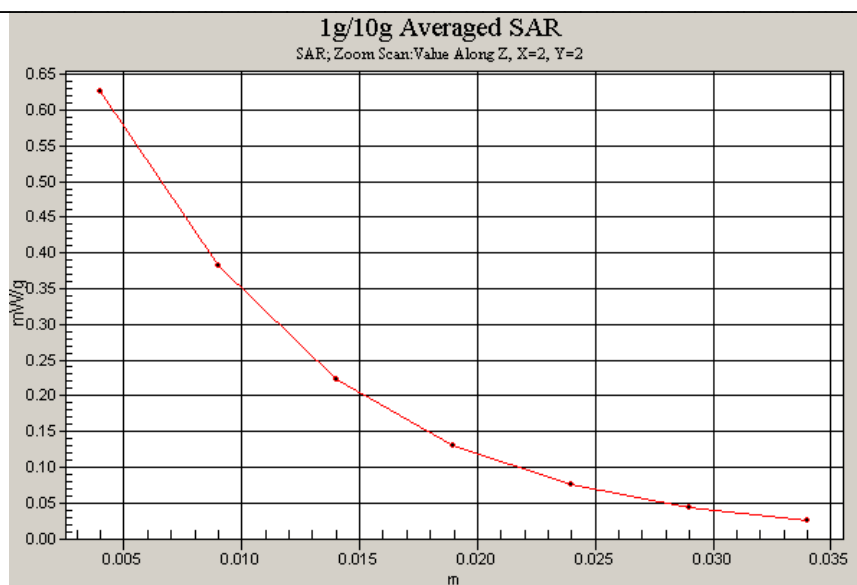
Reference Value = 19.3 V/m; Power Drift = -0.105 dB

Peak SAR (extrapolated) = 1.01 W/kg

SAR(1 g) = 0.577 mW/g; SAR(10 g) = 0.318 mW/g

Maximum value of SAR (measured) = 0.625 mW/g





Date/Time: 2005-12-09 15:26:23

Test Laboratory: TCC Nokia

Type: RM-24; Program Name: Head Measurement - Right, Advanced Extrapolation, Flip open

Communication System: 2-slot EGPRS1900; Frequency: 1850.2 MHz; Duty Cycle: 1:4.2

Medium parameters used (interpolated): $f = 1850.2$ MHz; $\sigma = 1.37$ mho/m; $\epsilon_r = 38.7$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1396; ConvF(5.25, 5.25, 5.25); Calibrated: 20.01.2005
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection (Locations From Previous Scan Used))
- Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn372; Calibrated: 18.08.2005
- Phantom: SAM 1; Type: Twin SAM 040 CA; Serial: TP-1179
- Measurement SW: DASY4, V4.6 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 159

Cheek position low, 20.8/Area Scan (41x121x1): Measurement grid: dx=15mm, dy=15mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.379 mW/g

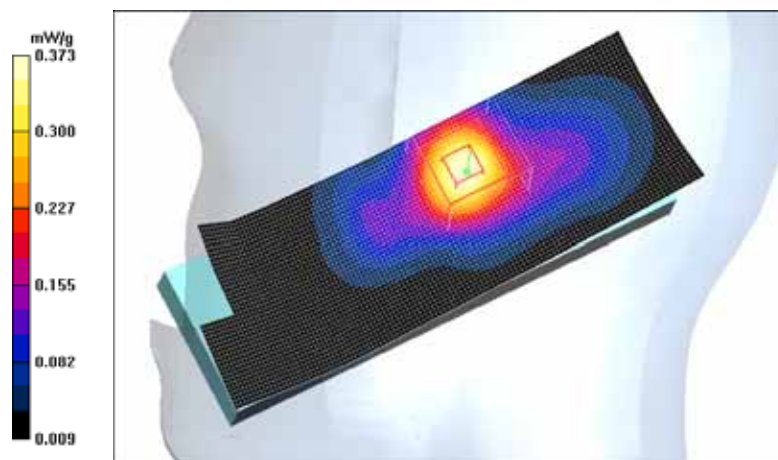
Cheek position low, 20.8/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 14.4 V/m; Power Drift = -0.046 dB

Peak SAR (extrapolated) = 0.585 W/kg

SAR(1 g) = 0.347 mW/g; SAR(10 g) = 0.194 mW/g

Maximum value of SAR (measured) = 0.373 mW/g



Date/Time: 2005-11-30 19:15:47

Test Laboratory: TCC Nokia

Type: RM-24; Program Name: Head Measurement - Left, Advanced Extrapolation, t=20.7 C, Flip open

Communication System: WLAN 2450; Frequency: 2442 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2442$ MHz; $\sigma = 1.87$ mho/m; $\epsilon_r = 38.1$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1396; ConvF(4.59, 4.59, 4.59); Calibrated: 20.01.2005
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn372; Calibrated: 18.08.2005
- Phantom: SAM 1; Type: Twin SAM 040 CA; Serial: TP-1179
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 159

Cheek position/Area Scan (41x121x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.288 mW/g

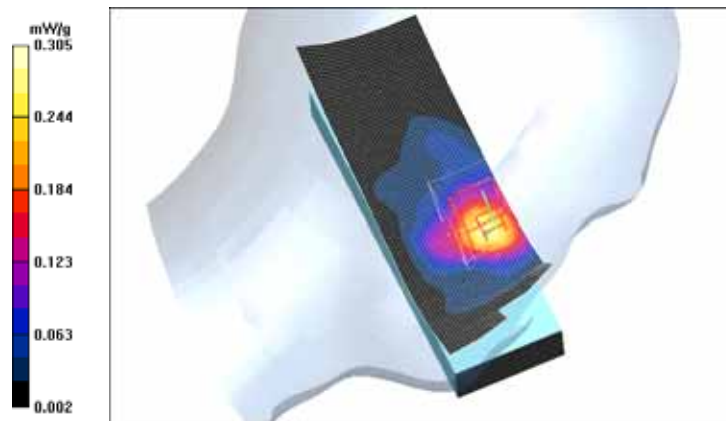
Cheek position/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.33 V/m; Power Drift = -0.009 dB

Peak SAR (extrapolated) = 0.571 W/kg

SAR(1 g) = 0.274 mW/g; SAR(10 g) = 0.138 mW/g

Maximum value of SAR (measured) = 0.305 mW/g



Date/Time: 2005-11-30 20:01:11

Test Laboratory: TCC Nokia

Type: RM-24; Program Name: Head Measurement - Left, Advanced Extrapolation, t=20.7 C, Flip open

Communication System: WLAN 2450; Frequency: 2442 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2442 \text{ MHz}$; $\sigma = 1.87 \text{ mho/m}$; $\epsilon_r = 38.1$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1396; ConvF(4.59, 4.59, 4.59); Calibrated: 20.01.2005
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn372; Calibrated: 18.08.2005
- Phantom: SAM 1; Type: Twin SAM 040 CA; Serial: TP-1179
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 159

Tilt position/Area Scan (41x121x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.110 mW/g

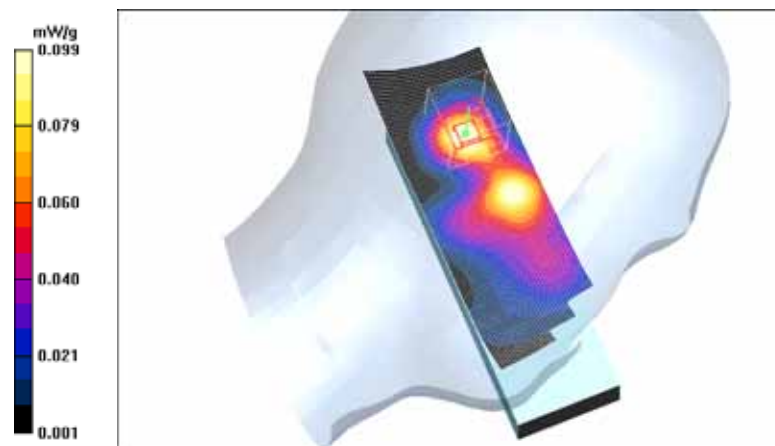
Tilt position/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.41 V/m; Power Drift = -0.180 dB

Peak SAR (extrapolated) = 0.155 W/kg

SAR(1 g) = 0.089 mW/g; SAR(10 g) = 0.047 mW/g

Maximum value of SAR (measured) = 0.099 mW/g



Date/Time: 2005-12-01 10:10:45

Test Laboratory: TCC Nokia

Type: RM-24; Program Name: Head Measurement - Right, Advanced Extrapolation, t=21.3 C, Flip open

Communication System: WLAN 2450; Frequency: 2442 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2442$ MHz; $\sigma = 1.86$ mho/m; $\epsilon_r = 38.1$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1396; ConvF(4.59, 4.59, 4.59); Calibrated: 20.01.2005
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection (Locations From Previous Scan Used))
- Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn372; Calibrated: 18.08.2005
- Phantom: SAM 1; Type: Twin SAM 040 CA; Serial: TP-1179
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 159

Cheek position,mid/Area Scan (41x121x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.408 mW/g

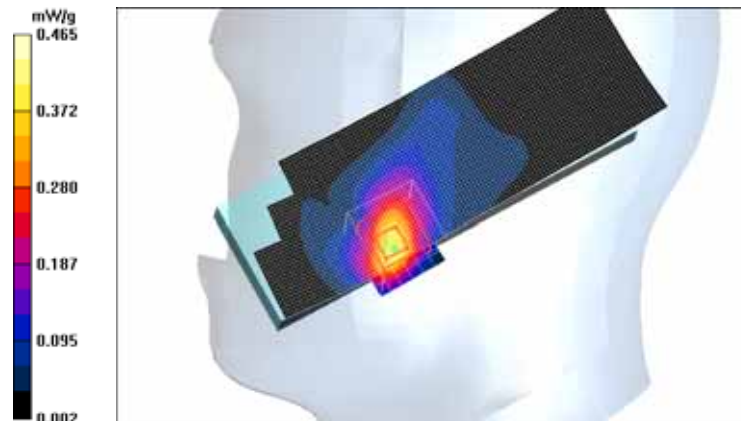
Cheek position,mid/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.15 V/m; Power Drift = 0.005 dB

Peak SAR (extrapolated) = 0.913 W/kg

SAR(1 g) = 0.421 mW/g; SAR(10 g) = 0.196 mW/g

Maximum value of SAR (measured) = 0.465 mW/g



Date/Time: 2005-12-01 08:26:44

Test Laboratory: TCC Nokia

Type: RM-24; Program Name: Head Measurement - Right, Advanced Extrapolation, t=21.4 C, Flip open

Communication System: WLAN 2450; Frequency: 2442 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2442$ MHz; $\sigma = 1.86$ mho/m; $\epsilon_r = 38.1$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1396; ConvF(4.59, 4.59, 4.59); Calibrated: 20.01.2005
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn372; Calibrated: 18.08.2005
- Phantom: SAM 1; Type: Twin SAM 040 CA; Serial: TP-1179
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 159

Tilt position/Area Scan (41x121x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.084 mW/g

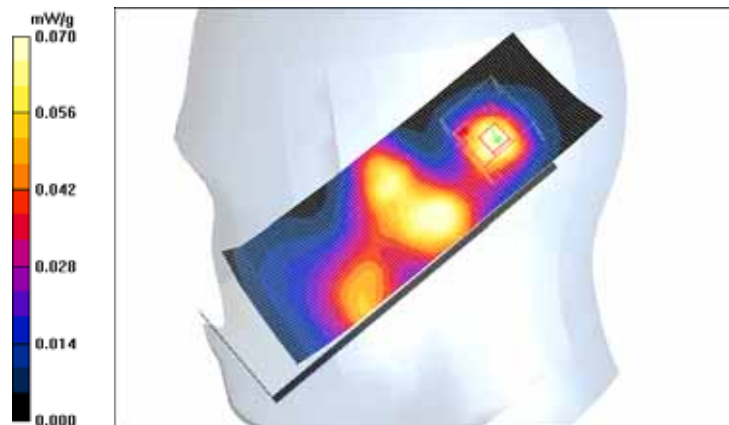
Tilt position/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.15 V/m; Power Drift = 0.037 dB

Peak SAR (extrapolated) = 0.101 W/kg

SAR(1 g) = 0.063 mW/g; SAR(10 g) = 0.034 mW/g

Maximum value of SAR (measured) = 0.070 mW/g



Date/Time: 2005-12-01 12:57:48

Test Laboratory: TCC Nokia

Type: RM-24; Program Name: Head Measurement - Left, Advanced Extrapolation, t=20.9 C, Flip closed

Communication System: WLAN 2450; Frequency: 2462 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2462$ MHz; $\sigma = 1.89$ mho/m; $\epsilon_r = 38.1$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1396; ConvF(4.59, 4.59, 4.59); Calibrated: 20.01.2005
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection (Locations From Previous Scan Used))
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn372; Calibrated: 18.08.2005
- Phantom: SAM 1; Type: Twin SAM 040 CA; Serial: TP-1179
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 159

Cheek position, high 11/Area Scan (41x91x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.352 mW/g

Cheek position, high 11/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

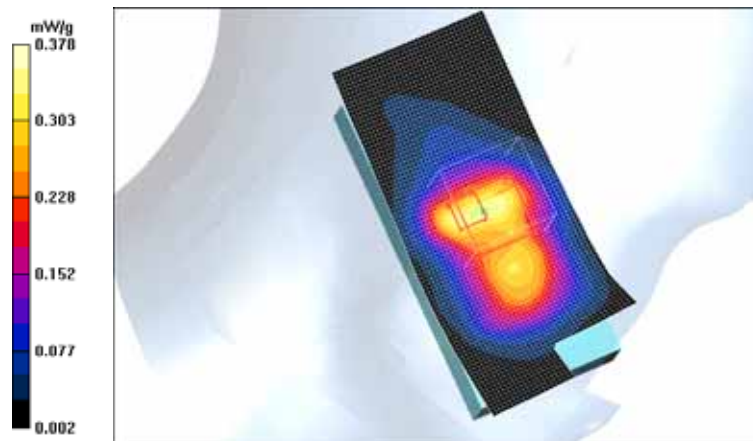
Reference Value = 3.12 V/m; Power Drift = -0.016 dB

Peak SAR (extrapolated) = 0.719 W/kg

SAR(1 g) = 0.314 mW/g; SAR(10 g) = 0.151 mW/g

Maximum averaged SAR over 10 g is located on the boundary of the measurement cube. This cube might not incorporate the absolute averaged SAR.

Maximum value of SAR (measured) = 0.378 mW/g



Date/Time: 2005-11-30 18:47:29

Test Laboratory: TCC Nokia

Type: RM-24; Program Name: Head Measurement - Left, Advanced Extrapolation, t=20.8 C, Flip closed

Communication System: WLAN 2450; Frequency: 2442 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2442$ MHz; $\sigma = 1.87$ mho/m; $\epsilon_r = 38.1$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1396; ConvF(4.59, 4.59, 4.59); Calibrated: 20.01.2005
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn372; Calibrated: 18.08.2005
- Phantom: SAM 1; Type: Twin SAM 040 CA; Serial: TP-1179
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 159

Tilt position/Area Scan (41x91x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.051 mW/g

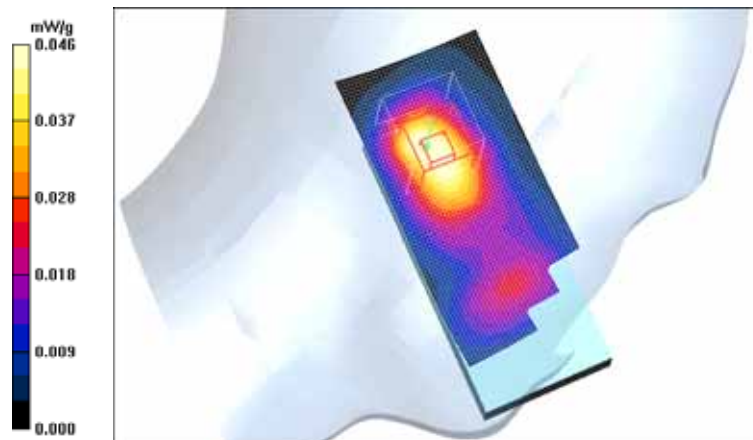
Tilt position/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.17 V/m; Power Drift = 0.068 dB

Peak SAR (extrapolated) = 0.081 W/kg

SAR(1 g) = 0.042 mW/g; SAR(10 g) = 0.023 mW/g

Maximum value of SAR (measured) = 0.046 mW/g



Date/Time: 2005-11-30 21:04:44

Test Laboratory: TCC Nokia

Type: RM-24; Program Name: Head Measurement - Right, Advanced Extrapolation, t=20.5 C, Flip closed

Communication System: WLAN 2450; Frequency: 2442 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2442$ MHz; $\sigma = 1.87$ mho/m; $\epsilon_r = 38.1$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1396; ConvF(4.59, 4.59, 4.59); Calibrated: 20.01.2005
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn372; Calibrated: 18.08.2005
- Phantom: SAM 1; Type: Twin SAM 040 CA; Serial: TP-1179
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 159

Cheek position/Area Scan (41x91x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.178 mW/g

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

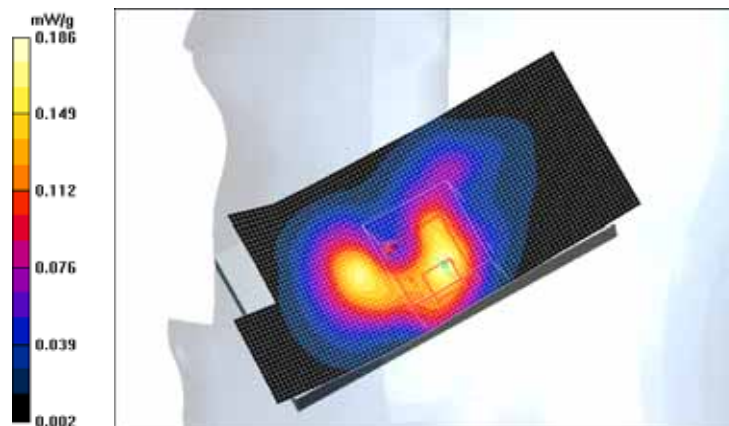
Reference Value = 2.35 V/m; Power Drift = -0.090 dB

Peak SAR (extrapolated) = 0.418 W/kg

SAR(1 g) = 0.170 mW/g; SAR(10 g) = 0.081 mW/g

Maximum averaged SAR over 10 g is located on the boundary of the measurement cube. This cube might not incorporate the absolute averaged SAR.

Maximum value of SAR (measured) = 0.186 mW/g



Date/Time: 2005-11-30 21:56:52

Test Laboratory: TCC Nokia

Type: RM-24; Program Name: Head Measurement - Right, Advanced Extrapolation, t=20.6 C, Flip closed

Communication System: WLAN 2450; Frequency: 2442 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2442$ MHz; $\sigma = 1.87$ mho/m; $\epsilon_r = 38.1$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1396; ConvF(4.59, 4.59, 4.59); Calibrated: 20.01.2005
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn372; Calibrated: 18.08.2005
- Phantom: SAM 1; Type: Twin SAM 040 CA; Serial: TP-1179
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 159

Tilt position/Area Scan (41x91x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.065 mW/g

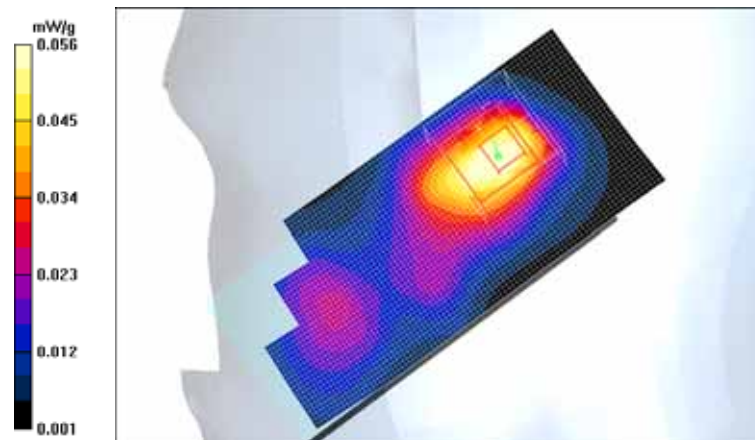
Tilt position/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.61 V/m; Power Drift = 0.031 dB

Peak SAR (extrapolated) = 0.104 W/kg

SAR(1 g) = 0.051 mW/g; SAR(10 g) = 0.027 mW/g

Maximum value of SAR (measured) = 0.056 mW/g



Date/Time: 2005-11-30 22:39:26

Test Laboratory: TCC Nokia

Type: RM-24; Program Name: Head Measurement - Right, Advanced Extrapolation, t=20.6 C, Flip open, with MU-card

Communication System: WLAN 2450; Frequency: 2442 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2442$ MHz; $\sigma = 1.87$ mho/m; $\epsilon_r = 38.1$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1396; ConvF(4.59, 4.59, 4.59); Calibrated: 20.01.2005
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn372; Calibrated: 18.08.2005
- Phantom: SAM 1; Type: Twin SAM 040 CA; Serial: TP-1179
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 159

Cheek position/Area Scan (41x121x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.489 mW/g

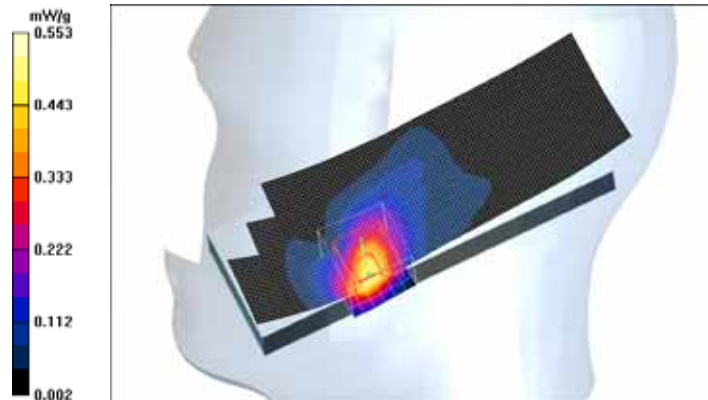
Cheek position/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

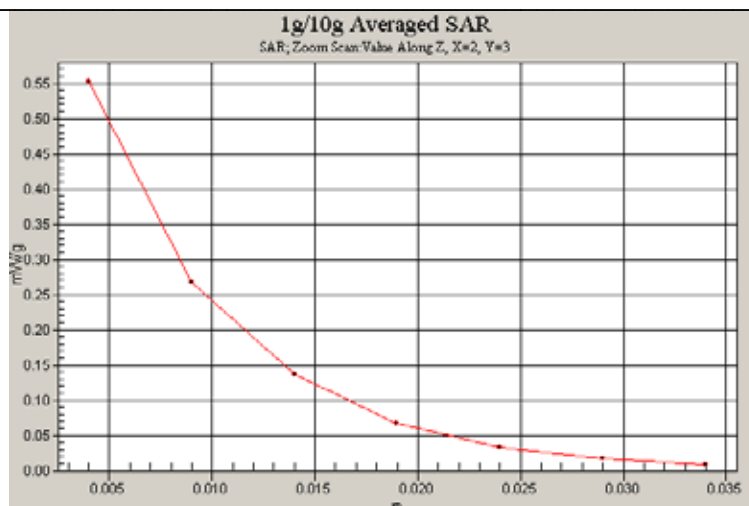
Reference Value = 4.92 V/m; Power Drift = -0.029 dB

Peak SAR (extrapolated) = 1.10 W/kg

SAR(1 g) = 0.500 mW/g; SAR(10 g) = 0.230 mW/g

Maximum value of SAR (measured) = 0.553 mW/g





Date/Time: 2005-12-07 19:57:57

Test Laboratory: TCC Nokia

Type: RM-24; Program Name: Body measurement, Advanced Extrapolation, t=20.2 C, closed, no HS

Communication System: 2-slot GPRS850; Frequency: 824.2 MHz; Duty Cycle: 1:4.2

Medium parameters used (interpolated): $f = 824.2$ MHz; $\sigma = 0.946$ mho/m; $\epsilon_r = 54.9$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1396; ConvF(6.62, 6.62, 6.62); Calibrated: 20.01.2005
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn372; Calibrated: 18.08.2005
- Phantom: SAM 2; Type: Twin SAM 040 CA; Serial: TP - 1177
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 159

Body Measurement/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.716 mW/g

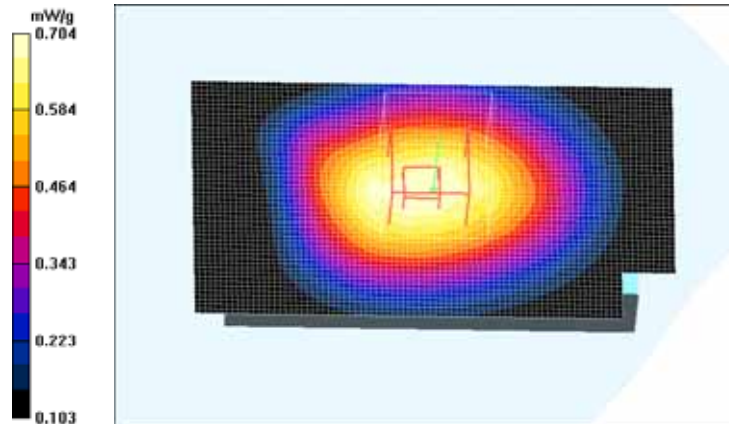
Body Measurement/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 9.84 V/m; Power Drift = -0.073 dB

Peak SAR (extrapolated) = 0.842 W/kg

SAR(1 g) = 0.668 mW/g; SAR(10 g) = 0.491 mW/g

Maximum value of SAR (measured) = 0.704 mW/g



Date/Time: 2005-12-07 21:07:21

Test Laboratory: TCC Nokia

Type: RM-24; Program Name: Body measurement, Advanced Extrapolation, t=20.0 C, closed, HS-6

Communication System: 2-slot GPRS850; Frequency: 836.6 MHz; Duty Cycle: 1:4.2

Medium parameters used: $f = 837 \text{ MHz}$; $\sigma = 0.957 \text{ mho/m}$; $\epsilon_r = 54.8$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1396; ConvF(6.62, 6.62, 6.62); Calibrated: 20.01.2005
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn372; Calibrated: 18.08.2005
- Phantom: SAM 2; Type: Twin SAM 040 CA; Serial: TP - 1177
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 159

Body Measurement/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.531 mW/g

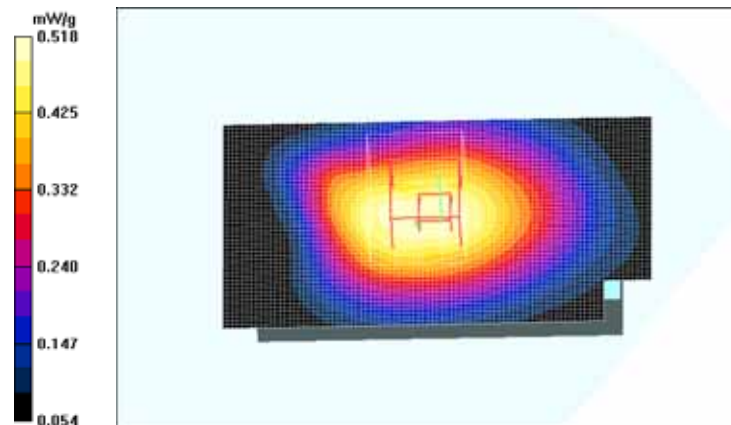
Body Measurement/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 8.11 V/m; Power Drift = -0.048 dB

Peak SAR (extrapolated) = 0.628 W/kg

SAR(1 g) = 0.490 mW/g; SAR(10 g) = 0.360 mW/g

Maximum value of SAR (measured) = 0.518 mW/g



Date/Time: 2005-12-08 17:00:15

Test Laboratory: TCC Nokia

Type: RM-24; Program Name: Body measurement, Advanced Extrapolation, t=21.3 C, closed, no HS

Communication System: 2-slot GPRS850; Frequency: 836.6 MHz; Duty Cycle: 1:4.2

Medium parameters used: $f = 837$ MHz; $\sigma = 0.961$ mho/m; $\epsilon_r = 54.8$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1396; ConvF(6.62, 6.62, 6.62); Calibrated: 20.01.2005
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn372; Calibrated: 18.08.2005
- Phantom: SAM 2; Type: Twin SAM 040 CA; Serial: TP - 1177
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 159

Body Measurement/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.624 mW/g

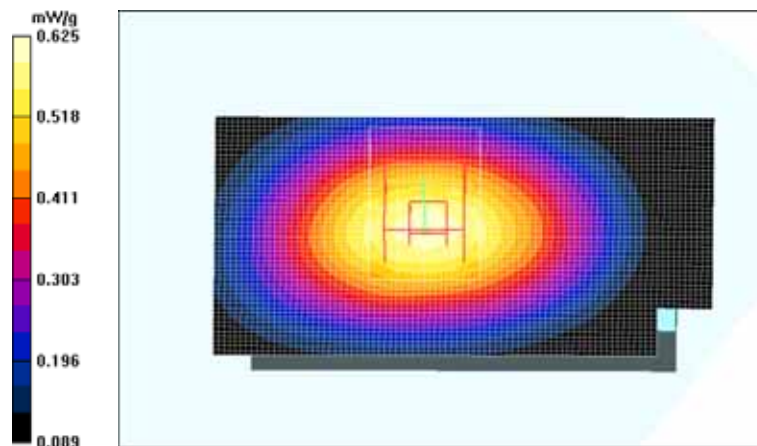
Body Measurement/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 18.0 V/m; Power Drift = -0.096 dB

Peak SAR (extrapolated) = 0.736 W/kg

SAR(1 g) = 0.587 mW/g; SAR(10 g) = 0.435 mW/g

Maximum value of SAR (measured) = 0.625 mW/g



Date/Time: 2005-12-08 18:20:30

Test Laboratory: TCC Nokia

Type: RM-24; Program Name: Body measurement, Advanced Extrapolation, t=20.9 C, Flip closed, HS-6

Communication System: 2-slot GPRS850; Frequency: 836.6 MHz; Duty Cycle: 1:4.2

Medium parameters used: $f = 837$ MHz; $\sigma = 0.961$ mho/m; $\epsilon_r = 54.8$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1396; ConvF(6.62, 6.62, 6.62); Calibrated: 20.01.2005
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn372; Calibrated: 18.08.2005
- Phantom: SAM 2; Type: Twin SAM 040 CA; Serial: TP - 1177
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 159

Body Measurement/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.372 mW/g

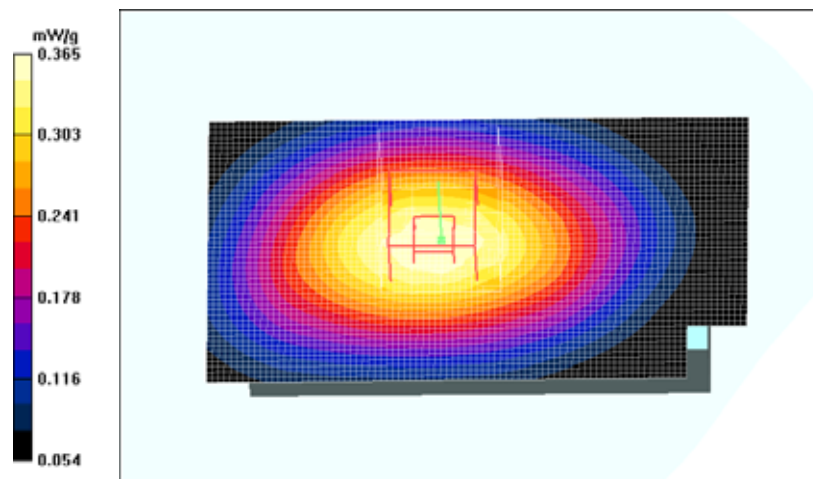
Body Measurement/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 14.7 V/m; Power Drift = -0.116 dB

Peak SAR (extrapolated) = 0.432 W/kg

SAR(1 g) = 0.347 mW/g; SAR(10 g) = 0.258 mW/g

Maximum value of SAR (measured) = 0.365 mW/g



Date/Time: 2005-12-07 22:01:56

Test Laboratory: TCC Nokia

Type: RM-24; Program Name: Body measurement, Advanced Extrapolation, t=20.0 C, Flip closed, MU

Communication System: 2-slot GPRS850; Frequency: 824.2 MHz; Duty Cycle: 1:4.2

Medium parameters used (interpolated): $f = 824.2$ MHz; $\sigma = 0.946$ mho/m; $\epsilon_r = 54.9$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1396; ConvF(6.62, 6.62, 6.62); Calibrated: 20.01.2005
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn372; Calibrated: 18.08.2005
- Phantom: SAM 2; Type: Twin SAM 040 CA; Serial: TP - 1177
- Measurement SW: DASY4, V4.6 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 159

Body Measurement/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.721 mW/g

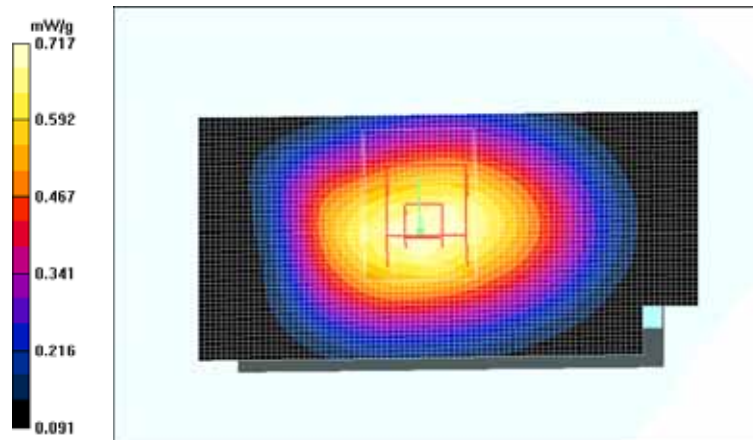
Body Measurement/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

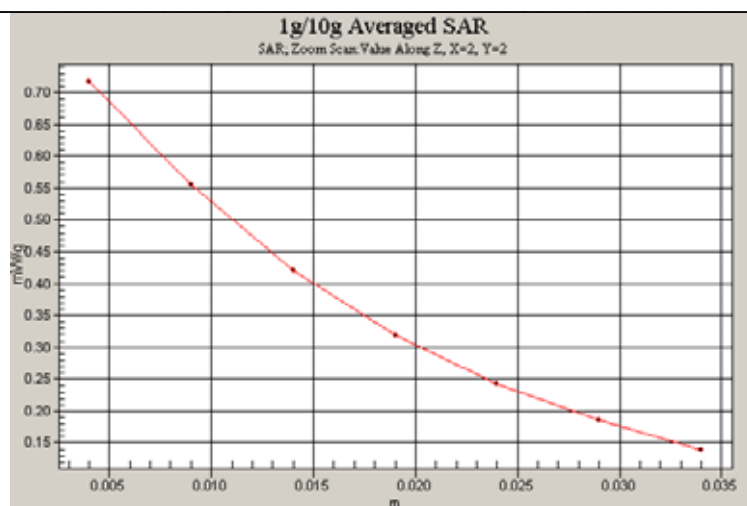
Reference Value = 11.9 V/m; Power Drift = 0.007 dB

Peak SAR (extrapolated) = 0.852 W/kg

SAR(1 g) = 0.677 mW/g; SAR(10 g) = 0.496 mW/g

Maximum value of SAR (measured) = 0.717 mW/g





Date/Time: 2005-12-08 21:17:10

Test Laboratory: TCC Nokia

Type: RM-24; Program Name: Body measurement, Advanced Extrapolation, t=20.8 C, Flip closed, no HS

Communication System: 2-slot GPRS1900; Frequency: 1850.2 MHz; Duty Cycle: 1:4.2

Medium parameters used (interpolated): $f = 1850.2$ MHz; $\sigma = 1.49$ mho/m; $\epsilon_r = 53.7$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1396; ConvF(4.64, 4.64, 4.64); Calibrated: 20.01.2005
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn372; Calibrated: 18.08.2005
- Phantom: SAM 2; Type: Twin SAM 040 CA; Serial: TP - 1177
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 159

Body Measurement/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.550 mW/g

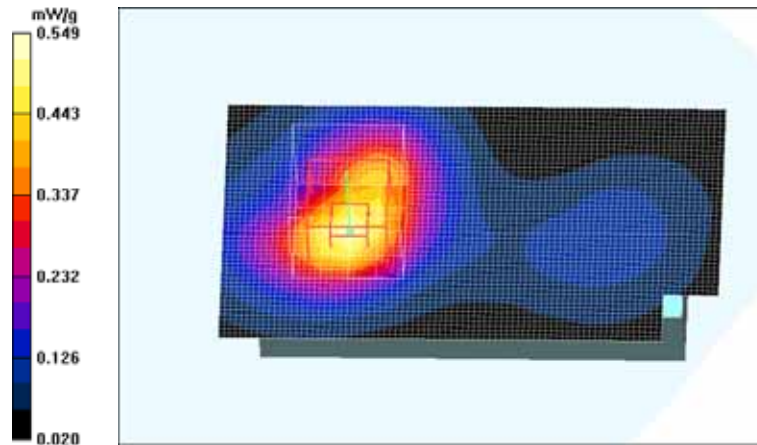
Body Measurement/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 13.8 V/m; Power Drift = -0.014 dB

Peak SAR (extrapolated) = 0.739 W/kg

SAR(1 g) = 0.493 mW/g; SAR(10 g) = 0.295 mW/g

Maximum value of SAR (measured) = 0.549 mW/g



Date/Time: 2005-12-09 10:40:27

Test Laboratory: TCC Nokia

Type: RM-24; Program Name: Body measurement, Advanced Extrapolation, Flip closed, HS-6

Communication System: 2-slot GPRS1900; Frequency: 1850.2 MHz; Duty Cycle: 1:4.2

Medium parameters used (interpolated): $f = 1850.2$ MHz; $\sigma = 1.48$ mho/m; $\epsilon_r = 53.7$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1396; ConvF(4.64, 4.64, 4.64); Calibrated: 20.01.2005
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn372; Calibrated: 18.08.2005
- Phantom: SAM 2; Type: Twin SAM 040 CA; Serial: TP - 1177
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 159

Body Measurement, t=20.2 C 3/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.552 mW/g

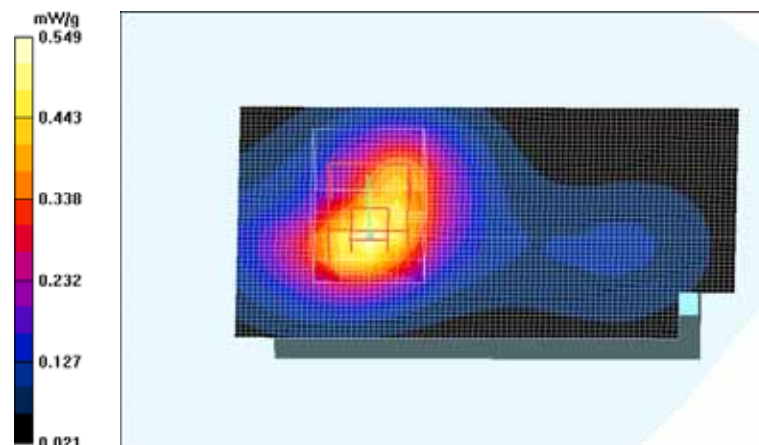
Body Measurement, t=20.2 C 3/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 12.9 V/m; Power Drift = -0.085 dB

Peak SAR (extrapolated) = 0.749 W/kg

SAR(1 g) = 0.494 mW/g; SAR(10 g) = 0.296 mW/g

Maximum value of SAR (measured) = 0.549 mW/g



Date/Time: 2005-12-09 08:33:59

Test Laboratory: TCC Nokia

Type: RM-24; Program Name: Body measurement, Advanced Extrapolation, t=21.0 C, Flip closed, no HS

Communication System: 2-slot GPRS1900; Frequency: 1880 MHz; Duty Cycle: 1:4.2

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.51$ mho/m; $\epsilon_r = 53.6$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1396; ConvF(4.64, 4.64, 4.64); Calibrated: 20.01.2005
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection (Locations From Previous Scan Used))
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn372; Calibrated: 18.08.2005
- Phantom: SAM 2; Type: Twin SAM 040 CA; Serial: TP - 1177
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 159

Body Measurement /Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.162 mW/g

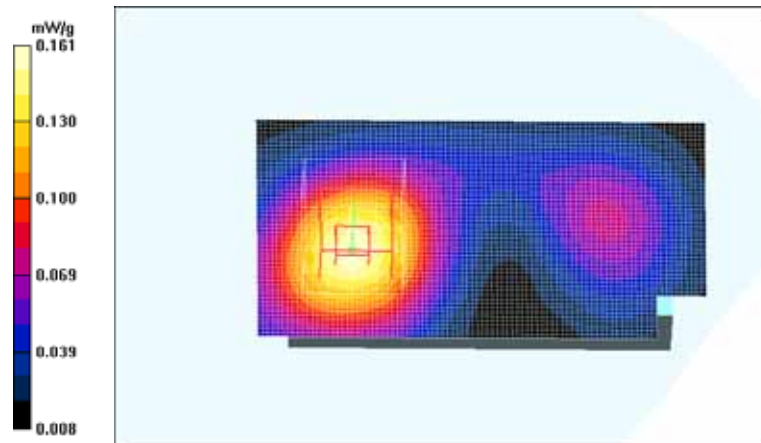
Body Measurement /Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 9.28 V/m; Power Drift = -0.101 dB

Peak SAR (extrapolated) = 0.221 W/kg

SAR(1 g) = 0.150 mW/g; SAR(10 g) = 0.098 mW/g

Maximum value of SAR (measured) = 0.161 mW/g



Date/Time: 2005-12-09 11:44:47

Test Laboratory: TCC Nokia

Type: RM-24; Program Name: Body measurement, Advanced Extrapolation, t=20.1 C, Flip closed, HS-6

Communication System: 2-slot GPRS1900; Frequency: 1880 MHz; Duty Cycle: 1:4.2

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.51$ mho/m; $\epsilon_r = 53.6$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1396; ConvF(4.64, 4.64, 4.64); Calibrated: 20.01.2005
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn372; Calibrated: 18.08.2005
- Phantom: SAM 2; Type: Twin SAM 040 CA; Serial: TP - 1177
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 159

Body Measurement/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.154 mW/g

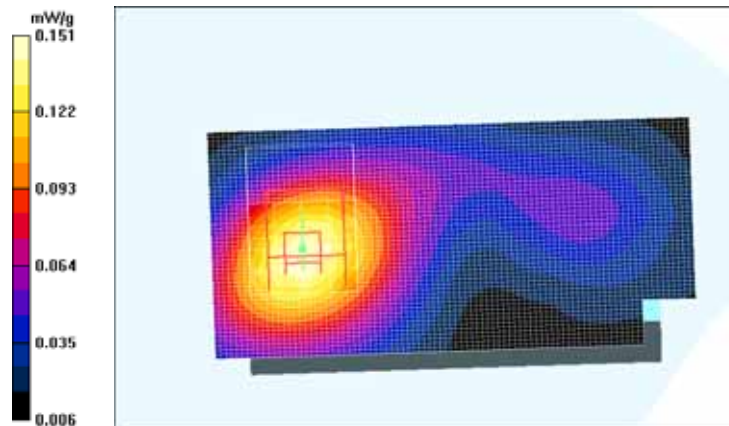
Body Measurement/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 9.81 V/m; Power Drift = -0.040 dB

Peak SAR (extrapolated) = 0.213 W/kg

SAR(1 g) = 0.142 mW/g; SAR(10 g) = 0.092 mW/g

Maximum value of SAR (measured) = 0.151 mW/g



Date/Time: 2005-12-09 17:29:22

Test Laboratory: TCC Nokia

Type: RM-24; Program Name: Body measurement, Advanced Extrapolation, closed, HS-6, t=20.6, MU, BT

Communication System: 2-slot GPRS1900; Frequency: 1850.2 MHz; Duty Cycle: 1:4.2

Medium parameters used (interpolated): $f = 1850.2$ MHz; $\sigma = 1.48$ mho/m; $\epsilon_r = 53.7$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1396; ConvF(4.64, 4.64, 4.64); Calibrated: 20.01.2005
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn372; Calibrated: 18.08.2005
- Phantom: SAM 2; Type: Twin SAM 040 CA; Serial: TP - 1177
- Measurement SW: DASY4, V4.6 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 159

Body Measurement /Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.631 mW/g

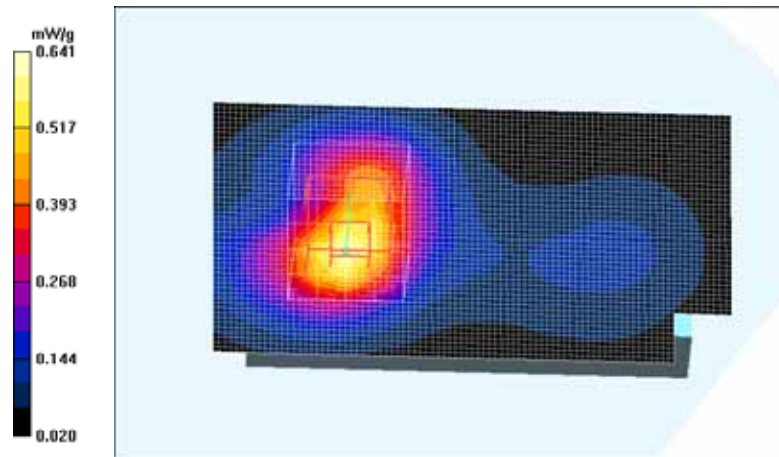
Body Measurement,/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

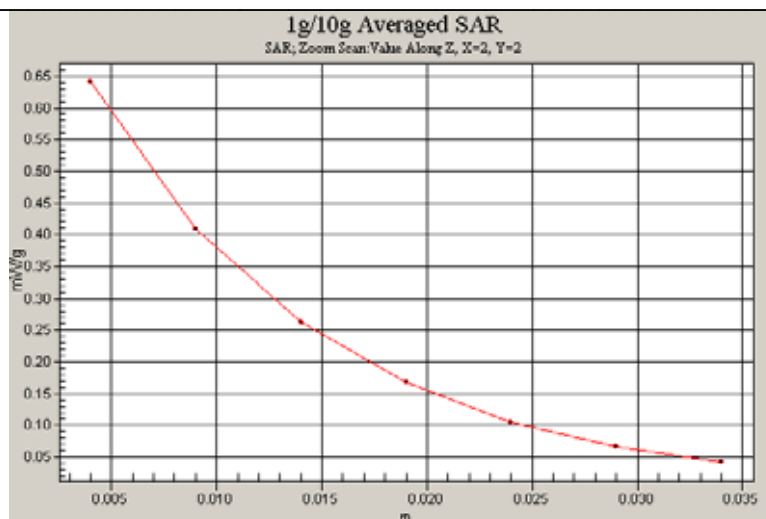
Reference Value = 12.6 V/m; Power Drift = -0.107 dB

Peak SAR (extrapolated) = 0.909 W/kg

SAR(1 g) = 0.572 mW/g; SAR(10 g) = 0.332 mW/g

Maximum value of SAR (measured) = 0.641 mW/g





Date/Time: 2005-12-08 10:03:19

Test Laboratory: TCC Nokia

Type: RM-24; Program Name: Body measurement, Advanced Extrapolation, Flip closed, t=21.0 C, no hs

Communication System: WLAN 2450; Frequency: 2462 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2462$ MHz; $\sigma = 2.06$ mho/m; $\epsilon_r = 51.9$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1396; ConvF(4.18, 4.18, 4.18); Calibrated: 20.01.2005
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection (Locations From Previous Scan Used))
- Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn372; Calibrated: 18.08.2005
- Phantom: SAM 1; Type: Twin SAM 040 CA; Serial: TP-1179
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 159

Body Measurement,/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.050 mW/g

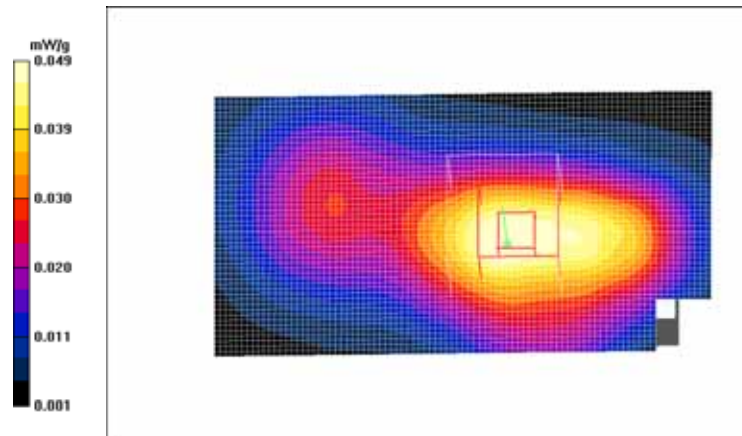
Body Measurement,/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 2.98 V/m; Power Drift = 0.167 dB

Peak SAR (extrapolated) = 0.099 W/kg

SAR(1 g) = 0.047 mW/g; SAR(10 g) = 0.027 mW/g

Maximum value of SAR (measured) = 0.049 mW/g



Date/Time: 2005-12-08 13:06:24

Test Laboratory: TCC Nokia

Type: RM-24; Program Name: Body measurement, Advanced Extrapolation, Flip closed, t=20.6 C, HS-6

Communication System: WLAN 2450; Frequency: 2462 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2462$ MHz; $\sigma = 2.06$ mho/m; $\epsilon_r = 51.9$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1396; ConvF(4.18, 4.18, 4.18); Calibrated: 20.01.2005
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn372; Calibrated: 18.08.2005
- Phantom: SAM 1; Type: Twin SAM 040 CA; Serial: TP-1179
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 159

Body Measurement/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.045 mW/g

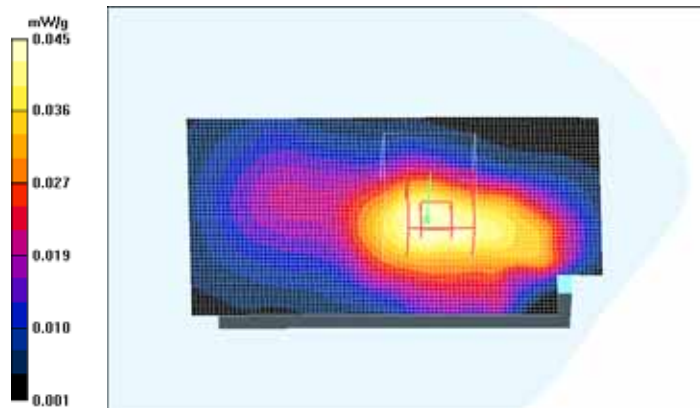
Body Measurement/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 2.67 V/m; Power Drift = 0.087 dB

Peak SAR (extrapolated) = 0.082 W/kg

SAR(1 g) = 0.043 mW/g; SAR(10 g) = 0.024 mW/g

Maximum value of SAR (measured) = 0.045 mW/g



Date/Time: 2005-12-08 11:15:48

Test Laboratory: TCC Nokia

Type: RM-24; Program Name: Body measurement, Advanced Extrapolation, Flip closed, t=20.8 C, no hs

Communication System: WLAN 2450; Frequency: 2462 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2462$ MHz; $\sigma = 2.06$ mho/m; $\epsilon_r = 51.9$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1396; ConvF(4.18, 4.18, 4.18); Calibrated: 20.01.2005
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection (Locations From Previous Scan Used))
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn372; Calibrated: 18.08.2005
- Phantom: SAM 1; Type: Twin SAM 040 CA; Serial: TP-1179
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 159

Body Measurement/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.154 mW/g

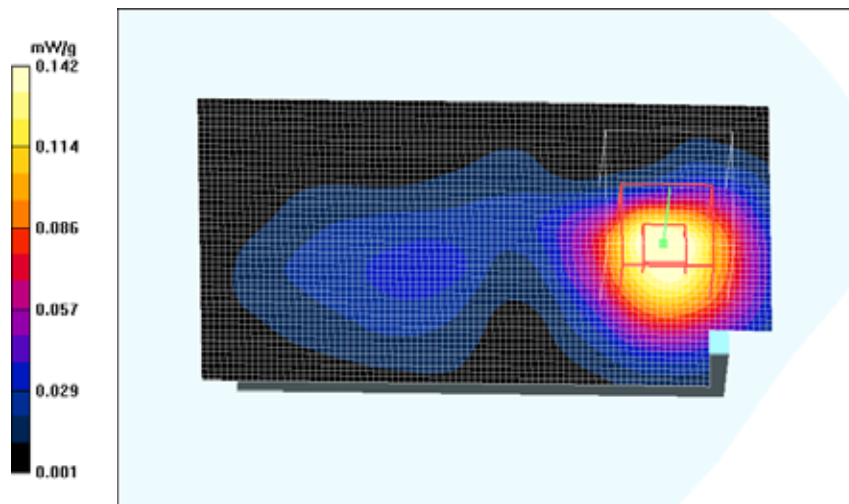
Body Measurement/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 2.61 V/m; Power Drift = 0.194 dB

Peak SAR (extrapolated) = 0.258 W/kg

SAR(1 g) = 0.132 mW/g; SAR(10 g) = 0.072 mW/g

Maximum value of SAR (measured) = 0.142 mW/g



Date/Time: 2005-12-08 12:51:01

Test Laboratory: TCC Nokia

Type: RM-24; Program Name: Body measurement, Advanced Extrapolation, Flip closed, t=20.7 C, HS-6

Communication System: WLAN 2450; Frequency: 2462 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2462$ MHz; $\sigma = 2.06$ mho/m; $\epsilon_r = 51.9$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1396; ConvF(4.18, 4.18, 4.18); Calibrated: 20.01.2005
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection (Locations From Previous Scan Used))
- Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn372; Calibrated: 18.08.2005
- Phantom: SAM 1; Type: Twin SAM 040 CA; Serial: TP-1179
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 159

Body Measurement/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.164 mW/g

Body Measurement/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 2.31 V/m; Power Drift = 0.011 dB

Peak SAR (extrapolated) = 0.252 W/kg

SAR(1 g) = 0.135 mW/g; SAR(10 g) = 0.074 mW/g

Maximum value of SAR (measured) = 0.144 mW/g

