

SAR Compliance Test Report

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Measurements made by:	Jose Gomez		
Tested device:	RM-375		
FCC ID:	QMNRM-375	IC:	661X-RM375
Supplement reports:	SD_SAR_0815_02		
Testing has been carried out in accordance with:	47CFR §2.1093 Radiofrequency Radiation Exposure Evaluation: Portable Devices FCC OET Bulletin 65 (Edition 97-01), Supplement C (Edition 01-01) Evaluating Compliance with FCC Guidelines for Human Exposure to Radiofrequency Electromagnetic Fields RSS-102 Evaluation Procedure for Mobile and Portable Radio Transmitters with Respect to Health Canada's Safety Code 6 for Exposure of Humans to Radio Frequency Fields IEEE 1528 - 2003 IEEE Recommended Practice for Determining the Peak Spatial-Average Specific Absorption Rate (SAR) in the Human Head from Wireless Communications Devices: Measurement Technique		
Documentation:	The documentation of the testing performed on the tested devices is archived for 15 years at TCC San Diego.		
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:

Jose Gomez
Certification Test Engineer

2008-04-10

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1. SUMMARY OF SAR TEST REPORT

1.1 Test Details

Period of test	2008-03-24 to 2008-04-10
SN, HW and SW numbers of tested device	SN: A0000001269B43C, HW: 4000, SW: DS_1100B_GEN, DUT: 30532
Batteries used in testing	BL-4B, DUT: 12479, 12480
Headsets used in testing	HS-9, DUT: 12481
Other accessories used in testing	-
State of sample	Prototype unit
Notes	-

1.2 Maximum Results

The maximum measured SAR values for Head configuration and Body Worn configuration are given in section 1.2.1 and 1.2.2 respectively. The device conforms to the requirements of the standard(s) when the maximum measured SAR value is less than or equal to the limit.

1.2.1 Head Configuration

Mode	Ch / f (MHz)	Conducted power	Position	Measured SAR value (1g avg)	Scaled* SAR value (1g avg)	SAR limit (1g avg)	Result
CDMA800	384 / 836.52	24.54dBm	Right, Cheek	1.13W/kg	1.27W/kg	1.6 W/kg	PASSED
CDMA1700/2100	25 / 1711.25	23.35dBm	Left, Cheek	0.848W/kg	0.95W/kg	1.6 W/kg	PASSED
CDMA1900	25 / 1851.25	23.58dBm	Left, Cheek	0.729W/kg	0.82W/kg	1.6 W/kg	PASSED

1.2.2 Body Worn Configuration

Mode	Ch / f (MHz)	Conducted power	Separation distance	Measured SAR value (1g avg)	Scaled* SAR value (1g avg)	SAR limit (1g avg)	Result
CDMA800	384 / 836.52	24.54dBm	2.2cm	0.518W/kg	0.58W/kg	1.6 W/kg	PASSED
CDMA1700/2100	875 / 1753.75	23.45dBm	2.2cm	0.251W/kg	0.28W/kg	1.6 W/kg	PASSED
CDMA1900	1175 / 1908.75	23.47dBm	2.2cm	0.309W/kg	0.35W/kg	1.6 W/kg	PASSED

*SAR values are scaled up by 12% to cover measurement drift.

1.2.3 Maximum Drift

Maximum drift covered by 12% scaling up of the SAR values	Maximum drift during measurements
0.5dB	0.43dB

1.2.4 Measurement Uncertainty

Expanded Uncertainty (k=2) 95%	± 25.8%
--------------------------------	---------

2. DESCRIPTION OF THE DEVICE UNDER TEST

Device category	Portable
Exposure environment	General population / uncontrolled

Modes of Operation	Bands	Modulation Mode	Duty Cycle	Transmitter Frequency Range (MHz)
CDMA	800 1700/2100 1900	QPSK	1	824 – 849 1710 – 1755 1850 – 1910
BT	2450	GFSK	1	2402 – 2480

This is a CDMA2000 1x RTT device.

2.1 Description of the Antenna

The device has an internal antenna.

3. TEST CONDITIONS

3.1 Temperature and Humidity

Ambient temperature (°C):	20.1 to 21.6
Ambient humidity (RH %):	34 to 46

3.2 Test Signal, Frequencies and Output Power

The device was put into operation by using a call tester. Communication between the device and the call tester was established by air link.

The device output power was set to maximum power level for all tests; a fully charged battery was used for every test sequence.

In all operating bands the measurements were performed on lowest, middle and highest channels.

4. DESCRIPTION OF THE TEST EQUIPMENT

4.1 Measurement System and Components

The measurements were performed using an automated near-field scanning system, DASY4, manufactured by Schmid & Partner Engineering AG (SPEAG) in Switzerland. The SAR extrapolation algorithm used in all measurements was the 'advanced extrapolation' algorithm.

The following table lists calibration dates of SPEAG components:

Test Equipment	Serial Number	Calibration interval	Calibration expiry
DAE 4	604	12 months	2008-08
DAE 3	377	12 months	2008-05
E-field Probe ET3DV6	1504	12 months	2008-08
E-field Probe ET3DV6	1505	12 months	2008-08
E-field Probe ET3DV6	1516	12 months	2008-11
Dipole Validation Kit, D835V2	487	24 months	2008-11
Dipole Validation Kit, D1800V2	2d064	24 months	2009-08
Dipole Validation Kit, D1800V2	2d063	24 months	2008-09
Dipole Validation Kit, D1900V2	534	24 months	2008-09
DASY Software	Version 4.7	-	-

Additional test equipment used in testing:

Test Equipment	Model	Serial Number	Calibration interval	Calibration expiry
Signal Generator	HP E4432B	US 40052231	24 months	2008-05
Signal Generator	HP E4432B	US 39260114	24 months	2008-06
Amplifier	Milmega AS0825-20L	1009777	-	-
Amplifier	Comtech PST AR8829-5	N2S7A00-1011	-	-
Power Meter	Agilent E4416A	GB41291842	12 months	2008-04
Power Meter	Agilent E4419B	GB39290694	12 months	2008-11
Power Sensor	Agilent E9300A	US39210503	12 months	2008-07
Power Sensor	Agilent E9301A	US39211865	12 months	2009-03
Call Tester	Agilent 8960	GB41070261	-	-
Call Tester	Agilent 8960	GB44350217	-	-
Call Tester	CMU 200	837727/071	-	-
Call Tester	CMU 200	837727/008	-	-
Vector Network Analyzer	Agilent 8753ES	US39174327	12 months	2008-05
Dielectric Probe Kit	Agilent 85070D	US01440165	-	-

4.1.1 Isotropic E-field Probe Type ET3DV6

Construction	Symmetrical design with triangular core Built-in optical fiber for surface detection system Built-in shielding against static charges PEEK enclosure material (resistant to organic solvents, e.g., butyl diglycol)
Calibration	Calibration certificate in Appendix C
Frequency	10 MHz to 3 GHz (dosimetry); Linearity: ± 0.2 dB (30 MHz to 3 GHz)
Optical Surface Detection	± 0.2 mm repeatability in air and clear liquids over diffuse reflecting surfaces
Directivity	± 0.2 dB in HSL (rotation around probe axis) ± 0.4 dB in HSL (rotation normal to probe axis)
Dynamic Range	5 μ W/g to > 100 mW/g; Linearity: ± 0.2 dB
Dimensions	Overall length: 330 mm Tip length: 16 mm Body diameter: 12 mm Tip diameter: 6.8 mm Distance from probe tip to dipole centers: 2.7 mm
Application	General dosimetry up to 3 GHz Compliance tests of mobile phones Fast automatic scanning in arbitrary phantoms

4.2 Phantoms

The phantom used for all tests i.e. for both system checks and device testing, was the twin-headed "SAM Phantom", manufactured by SPEAG. The phantom conforms to the requirements of IEEE 1528 - 2003.

System checking was performed using the flat section, whilst Head SAR tests used the left and right head profile sections. Body SAR testing also used the flat section between the head profiles.

The SPEAG device holder (see Section 5.1) was used to position the device in all tests whilst a tripod was used to position the validation dipoles against the flat section of phantom.

4.3 Tissue Simulants

Recommended values for the dielectric parameters of the tissue simulants are given in IEEE 1528 - 2003 and FCC Supplement C to OET Bulletin 65. All tests were carried out using simulants whose dielectric parameters were within $\pm 5\%$ of the recommended values. All tests were carried out within 24 hours of measuring the dielectric parameters.

The depth of the tissue simulant was 15.0 ± 0.5 cm measured from the ear reference point during system checking and device measurements.

4.3.1 Tissue Simulant Recipes

The following recipe(s) were used for Head and Body tissue simulant(s):

800MHz band

Ingredient	Head (% by weight)	Body (% by weight)
Deionised Water	51.50	69.25
Tween 20	47.35	30.00
Salt	1.15	0.75

1800MHz band

Ingredient	Head (% by weight)	Body (% by weight)
Deionised Water	54.00	70.20
Tween 20	45.60	29.37
Salt	0.40	0.43

1900MHz band

Ingredient	Head (% by weight)	Body (% by weight)
Deionised Water	54.50	70.25
Tween 20	45.23	29.41
Salt	0.27	0.34

4.3.2 System Checking

The manufacturer calibrates the probes annually. Dielectric parameters of the tissue simulants were measured every day using the dielectric probe kit and the network analyser. A system check measurement was made following the determination of the dielectric parameters of the simulant, using the dipole validation kit. A power level of 250 mW was supplied to the dipole antenna, which was placed under the flat section of the twin SAM phantom. The system checking results (dielectric parameters and SAR values) are given in the table below.

System checking, head tissue simulant

f [MHz]	Description	SAR [W/kg], 1g	Dielectric Parameters		Temp [°C]
			ϵ_r	σ [S/m]	
835	Reference result	2.29	42.3	0.90	
	± 10% window	2.06 – 2.52			
	2008-03-24	2.37	40.4	0.93	21.0
	2008-03-26	2.30	40.3	0.89	21.2
	2008-04-08	2.36	41.0	0.91	21.6
1800	Reference result	9.70	39.6	1.41	
	± 10% window	8.73 – 10.67			
	2008-03-27	9.84	38.8	1.43	20.8
1900	Reference result	9.38	38.6	1.41	
	± 10% window	8.44 – 10.32			
	2008-03-24	9.46	39.6	1.42	20.1

System checking, body tissue simulant

f [MHz]	Description	SAR [W/kg], 1g	Dielectric Parameters		Temp [°C]
			ϵ_r	σ [S/m]	
1800	Reference result	10.3	52.8	1.49	
	$\pm 10\%$ window	9.27 – 11.33			
	2008-04-10	9.52	50.7	1.54	20.8
1900	Reference result	10.1	52.6	1.56	
	$\pm 10\%$ window	9.1 – 11.1			
	2008-03-28	9.54	51.5	1.52	20.2

Plots of the system checking scans are given in Appendix A.

4.3.3 Tissue Simulants used in the Measurements

Head tissue simulant measurements

f [MHz]	Description	Dielectric Parameters		Temp [°C]
		ϵ_r	σ [S/m]	
836	Recommended value	41.5	0.90	
	$\pm 5\%$ window	39.4 – 43.6	0.86 – 0.95	
	2008-03-24	40.4	0.93	21.0
	2008-03-26	40.3	0.89	21.2
	2008-04-08	41.0	0.91	21.6
1732	Recommended value	40.1	1.36	
	$\pm 5\%$ window	38.1 – 42.1	1.29 – 1.43	
	2008-03-27	39.1	1.37	20.8
1880	Recommended value	40.0	1.40	
	$\pm 5\%$ window	38.0 – 42.0	1.33 – 1.47	
	2008-03-24	39.7	1.40	20.1

Body tissue simulant measurements

f [MHz]	Description	Dielectric Parameters		Temp [°C]
		ϵ_r	σ [S/m]	
836	Recommended value	55.2	0.97	
	± 5% window	52.4 – 58.0	0.92 – 1.02	
	2008-03-26	53.8	0.98	21.6
1732	Recommended value	53.5	1.48	
	± 5% window	50.8 – 56.2	1.40 – 1.55	
	2008-04-10	51.0	1.48	20.8
1880	Recommended value	53.3	1.52	
	± 5% window	50.6 – 56.0	1.44 – 1.60	
	2008-03-28	51.6	1.51	20.2

5. DESCRIPTION OF THE TEST PROCEDURE

5.1 Device Holder

The device was placed in the device holder (illustrated below) that is supplied by SPEAG as an integral part of the Dasy system.



Device holder supplied by SPEAG

A Nokia designed spacer (illustrated below) was used to position the device within the SPEAG holder. The spacer positions the device so that the holder has minimal effect on the test results but still holds the device securely. The spacer was removed before the tests.



Nokia spacer

5.2 Test Positions

5.2.1 Against Phantom Head

Measurements were made in “cheek” and “tilt” positions on both the left hand and right hand sides of the phantom.

The positions used in the measurements were according to IEEE 1528 - 2003 "IEEE Recommended Practice for Determining the Peak Spatial-Average Specific Absorption Rate (SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques".

5.2.2 Body Worn Configuration

The device was placed in the SPEAG holder using the Nokia spacer and placed below the flat section of the phantom. The distance between the device and the phantom was kept at the

separation distance indicated in Section 1.2.2 using a separate flat spacer that was removed before the start of the measurements. The device was oriented with its antenna facing the phantom since this orientation gives higher results.

5.3 Scan Procedures

First, area scans were used for determination of the field distribution. Next, a zoom scan, a minimum of 5x5x7 points covering a volume of at least 30x30x30mm, was performed around the highest E-field value to determine the averaged SAR value. Drift was determined by measuring the same point at the start of the area scan and again at the end of the zoom scan.

5.4 SAR Averaging Methods

The maximum SAR value was averaged over a cube of tissue using interpolation and extrapolation.

The interpolation, extrapolation and maximum search routines within Dasy4 are all based on the modified Quadratic Shepard's method (Robert J. Renka, "Multivariate Interpolation Of Large Sets Of Scattered Data", University of North Texas ACM Transactions on Mathematical Software, vol. 14, no. 2, June 1988, pp. 139-148).

The interpolation scheme combines a least-square fitted function method with a weighted average method. A trivariate 3-D / bivariate 2-D quadratic function is computed for each measurement point and fitted to neighbouring points by a least-square method. For the zoom scan, inverse distance weighting is incorporated to fit distant points more accurately. The interpolating function is finally calculated as a weighted average of the quadratics.

In the zoom scan, the interpolation function is used to extrapolate the Peak SAR from the deepest measurement points to the inner surface of the phantom.

6. MEASUREMENT UNCERTAINTY

Table 6.1 – Measurement uncertainty evaluation

Uncertainty Component	Section in IEEE 1528	Tol. (%)	Prob Dist	Div	C_i	$C_i \cdot U_i$ (%)	ν_i
Measurement System							
Probe Calibration	E2.1	±5.9	N	1	1	±5.9	∞
Axial Isotropy	E2.2	±4.7	R	√3	$(1-c_p)^{1/2}$	±1.9	∞
Hemispherical Isotropy	E2.2	±9.6	R	√3	$(c_p)^{1/2}$	±3.9	∞
Boundary Effect	E2.3	±1.0	R	√3	1	±0.6	∞
Linearity	E2.4	±4.7	R	√3	1	±2.7	∞
System Detection Limits	E2.5	±1.0	R	√3	1	±0.6	∞
Readout Electronics	E2.6	±1.0	N	1	1	±1.0	∞
Response Time	E2.7	±0.8	R	√3	1	±0.5	∞
Integration Time	E2.8	±2.6	R	√3	1	±1.5	∞
RF Ambient Conditions - Noise	E6.1	±3.0	R	√3	1	±1.7	∞
RF Ambient Conditions - Reflections	E6.1	±3.0	R	√3	1	±1.7	∞
Probe Positioner Mechanical Tolerance	E6.2	±0.4	R	√3	1	±0.2	∞
Probe Positioning with respect to Phantom Shell	E6.3	±2.9	R	√3	1	±1.7	∞
Extrapolation, interpolation and Integration Algorithms for Max. SAR Evaluation	E5	±3.9	R	√3	1	±2.3	∞
Test sample Related							
Test Sample Positioning	E4.2	±6.0	N	1	1	±6.0	11
Device Holder Uncertainty	E4.1	±5.0	N	1	1	±5.0	7
Output Power Variation - SAR drift measurement	6.6.3	±0.0	R	√3	1	±0.0	∞
Phantom and Tissue Parameters							
Phantom Uncertainty (shape and thickness tolerances)	E3.1	±4.0	R	√3	1	±2.3	∞
Conductivity Target - tolerance	E3.2	±5.0	R	√3	0.64	±1.8	∞
Conductivity - measurement uncertainty	E3.3	±5.5	N	1	0.64	±3.5	5
Permittivity Target - tolerance	E3.2	±5.0	R	√3	0.6	±1.7	∞
Permittivity - measurement uncertainty	E3.3	±2.9	N	1	0.6	±1.7	5
Combined Standard Uncertainty			RSS			±12.9	116
Coverage Factor for 95%			k=2				
Expanded Uncertainty						±25.8	

7. RESULTS

The measured Head SAR values for the test device are tabulated below:

800MHz Head SAR results

Mode	Test configuration		SAR, averaged over 1g (W/kg)		
			Ch 1013 824.70 MHz	Ch 384 836.52 MHz	Ch 777 848.31 MHz
RC3 / S055		Power	24.55dBm	24.54dBm	23.66dBm
Flip open	Left	Cheek	0.780	0.912	0.812
		Tilt	-	0.315	-
	Right	Cheek	1.04	1.07	1.05
		Tilt	-	0.234	-
Flip open	Right Cheek, BT active		-	1.13	-

1700/2100MHz Head SAR results

Mode	Test configuration		SAR, averaged over 1g (W/kg)		
			Ch 25 1711.25 MHz	Ch 425 1732.5 MHz	Ch 875 1753.75 MHz
RC3 / S055		Power	23.35dBm	23.50dBm	23.45dBm
Flip open	Left	Cheek	0.848	0.740	0.694
		Tilt	-	0.334	-
	Right	Cheek	-	0.529	-
		Tilt	-	0.370	-
Flip open	Left Cheek, BT active		0.776	-	-

1900MHz Head SAR results

Mode	Test configuration		SAR, averaged over 1g (W/kg)		
			Ch25 1851.25MHz	Ch600 1880.00MHz	Ch1175 1908.75MHz
RC3 / S055		Power	23.58dBm	23.28dBm	23.47dBm
Flip open	Left	Cheek	0.696	0.599	0.581
		Tilt	-	0.336	-
	Right	Cheek	-	0.372	-
		Tilt	-	0.329	-
Flip open	Left Cheek, BT active		0.729	-	-

The measured Body SAR values for the test device are tabulated below:

800MHz Body SAR results

Mode	Test configuration	SAR, averaged over 1g (W/kg)		
		Ch 1013 824.70 MHz	Ch 384 836.52 MHz	Ch 777 848.31 MHz
RC3 / S055	Power	24.55dBm	24.54dBm	24.28dBm
Flip Closed	Without headset	0.499	0.518	0.372
	Headset HS-9	0.471	0.457	0.418
Flip Closed	Without headset, BT active	-	0.468	-

1700/2100MHz Body SAR results

Mode	Test configuration	SAR, averaged over 1g (W/kg)		
		Ch 25 1711.25 MHz	Ch 425 1732.5 MHz	Ch 875 1753.75 MHz
RC3 / S055	Power	23.35dBm	23.50dBm	23.45dBm
Flip Closed	Without headset	0.209	0.203	0.239
	Headset HS-9	0.195	0.198	0.227
Flip Closed	Without Headset, BT active	-	-	0.251

1900MHz Body SAR results

Mode	Test configuration	SAR, averaged over 1g (W/kg)		
		Ch25 1851.25MHz	Ch600 1880.00MHz	Ch1175 1908.75MHz
RC3 / S055	Power	23.58dBm	23.28dBm	23.47dBm
Flip Closed	Without headset	0.276	0.251	0.257
	Headset HS-9	0.261	0.241	0.284
Flip Closed	Headset HS-9, BT active	-	-	0.309

Plots of the Measurement scans are given in Appendix B.

APPENDIX A: SYSTEM CHECKING SCANS

Date/Time: 2008-03-24 14:13:19

Test Laboratory: TCC Nokia

Type: D835V2; Serial: 487

Communication System: CW835

Frequency: 835 MHz; Duty Cycle: 1:1

Medium: HSL835; Medium Notes: T=21.0 C

Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.928 \text{ mho/m}$; $\epsilon_r = 40.4$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1505; Probe Notes:
- ConvF(6.86, 6.86, 6.86); Calibrated: 2007-08-29
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn377; Calibrated: 2007-05-04
- Phantom: SAM1; Type: Twin Phantom; Serial: TP-1035
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 172

System Check/Area Scan (61x61x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 2.57 mW/g

System Check/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 53.8 V/m

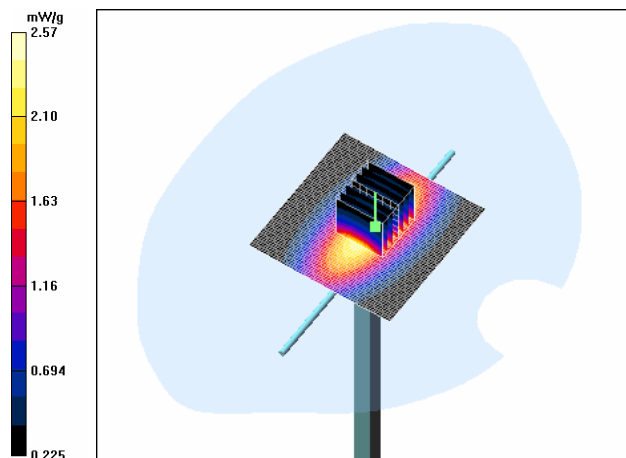
Peak SAR (extrapolated) = 3.54 W/kg

SAR(1 g) = 2.37 mW/g

SAR(10 g) = 1.54 mW/g

Power Drift = 0.005 dB

Maximum value of SAR (measured) = 2.57 mW/g



Date/Time: 2008-03-26 11:41:08

Test Laboratory: TCC Nokia

Type: D835V2; Serial: 487

Communication System: CW835

Frequency: 835 MHz; Duty Cycle: 1:1

Medium: HSL835; Medium Notes: T=21.2 C

Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.887 \text{ mho/m}$; $\epsilon_r = 40.3$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1505; Probe Notes:
- ConvF(6.86, 6.86, 6.86); Calibrated: 2007-08-29
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn377; Calibrated: 2007-05-04
- Phantom: SAM1; Type: Twin Phantom; Serial: TP-1035
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 172

System Check/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 2.48 mW/g

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

Reference Value = 53.9 V/m

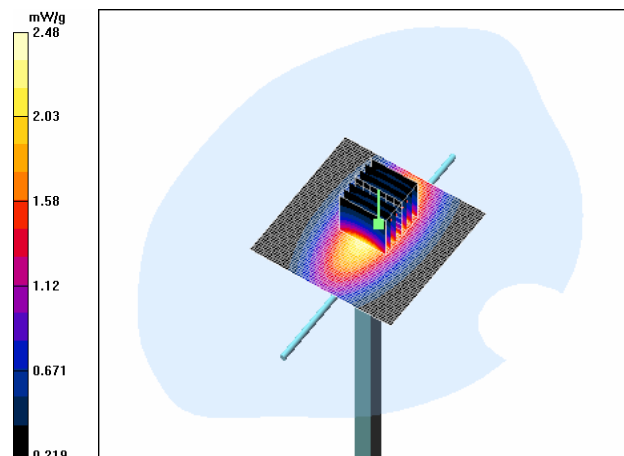
Peak SAR (extrapolated) = 3.42 W/kg

SAR(1 g) = 2.3 mW/g

SAR(10 g) = 1.49 mW/g

Power Drift = -0.016 dB

Maximum value of SAR (measured) = 2.48 mW/g



Date/Time: 2008-04-08 11:55:48

Test Laboratory: TCC Nokia

Type: D835V2; Serial: 487

Communication System: CW835

Frequency: 835 MHz; Duty Cycle: 1:1

Medium: HSL835; Medium Notes: T=21.6 C

Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.909 \text{ mho/m}$; $\epsilon_r = 41$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1505; Probe Notes:
- ConvF(6.86, 6.86, 6.86); Calibrated: 2007-08-29
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn377; Calibrated: 2007-05-04
- Phantom: SAM1; Type: Twin Phantom; Serial: TP-1035
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 172

System Check/Area Scan (61x61x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 2.57 mW/g

System Check/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 54.6 V/m

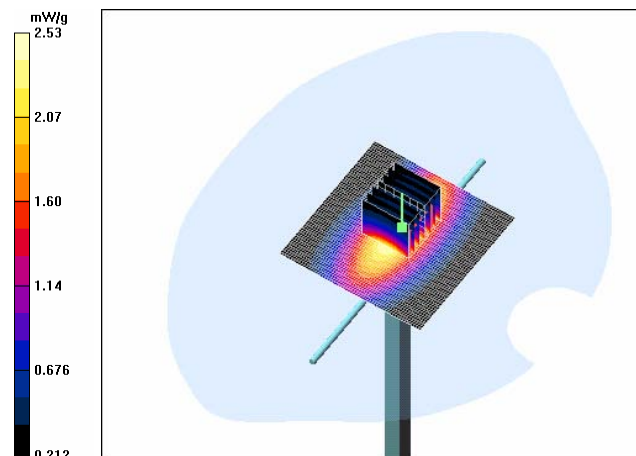
Peak SAR (extrapolated) = 3.52 W/kg

SAR(1 g) = 2.36 mW/g

SAR(10 g) = 1.53 mW/g

Power Drift = 0.016 dB

Maximum value of SAR (measured) = 2.53 mW/g



Date/Time: 2008-03-27 12:25:48

Test Laboratory: TCC Nokia

Type: D1800V2; Serial: 2d064

Communication System: CW1800

Frequency: 1800 MHz; Duty Cycle: 1:1

Medium: HSL1700; Medium Notes: T=20.8C

Medium parameters used: $f = 1800$ MHz; $\sigma = 1.43$ mho/m; $\epsilon_r = 38.8$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1504; Probe Notes:
- ConvF(5.25, 5.25, 5.25); Calibrated: 2007-08-29
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE4 Sn604; Calibrated: 2007-08-29
- Phantom: SAM 2 ; Type: Twin Phantom; Serial: NMP03309
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 172

System Check/Area Scan (71x71x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 11.6 mW/g

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

Reference Value = 86.4 V/m

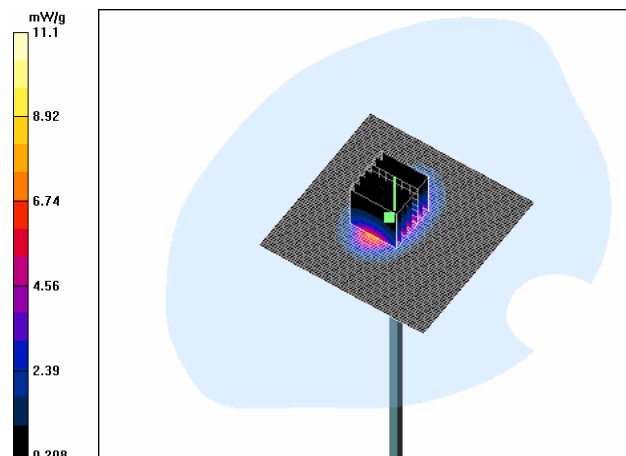
Peak SAR (extrapolated) = 17.0 W/kg

SAR(1 g) = 9.84 mW/g

SAR(10 g) = 5.23 mW/g

Power Drift = -0.020 dB

Maximum value of SAR (measured) = 11.1 mW/g



Date/Time: 2008-03-24 10:34:41

Test Laboratory: TCC Nokia

Type: D1900V2; Serial: 534

Communication System: CW1900

Frequency: 1900 MHz; Duty Cycle: 1:1

Medium: HSL1900; Medium Notes: T=20.1C

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.42$ mho/m; $\epsilon_r = 39.6$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1504; Probe Notes:
- ConvF(5.09, 5.09, 5.09); Calibrated: 2007-08-29
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE4 Sn604; Calibrated: 2007-08-29
- Phantom: SAM 1; Type: Twin Phantom; Serial: NMP3310
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 172

System Check/Area Scan (71x71x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 11.4 mW/g

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

Reference Value = 83.2 V/m

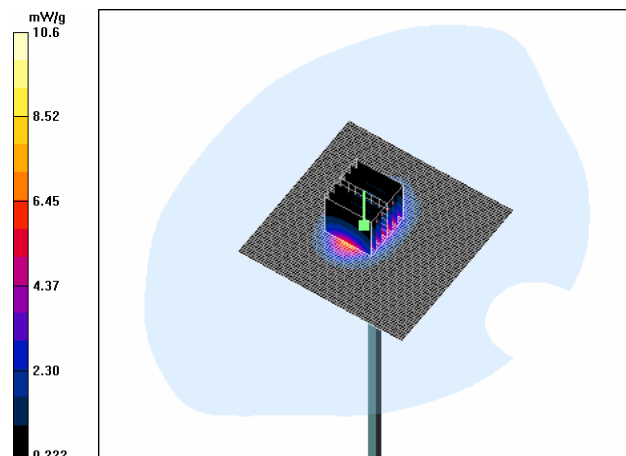
Peak SAR (extrapolated) = 15.7 W/kg

SAR(1 g) = 9.46 mW/g

SAR(10 g) = 5.11 mW/g

Power Drift = -0.012 dB

Maximum value of SAR (measured) = 10.6 mW/g



Date/Time: 2008-04-10 10:03:40

Test Laboratory: TCC Nokia
Type: **D1800V2**; Serial: **2d063**

Communication System: CW1800

Frequency: 1800 MHz; Duty Cycle: 1:1

Medium: MSL1800; Medium Notes: T=20.8

Medium parameters used: $f = 1800$ MHz; $\sigma = 1.54$ mho/m; $\epsilon_r = 50.7$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1516; Probe Notes:
- ConvF(4.87, 4.87, 4.87); Calibrated: 2007-11-12
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE4 Sn604; Calibrated: 2007-08-29
- Phantom: SAM 3; Type: Twin Phantom; Serial: NMP03311
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 172

System Check/Area Scan (71x71x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 10.6 mW/g

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

Reference Value = 75.8 V/m

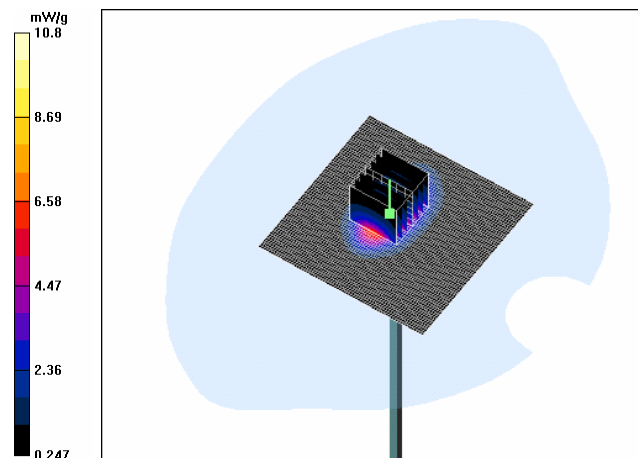
Peak SAR (extrapolated) = 15.6 W/kg

SAR(1 g) = 9.52 mW/g

SAR(10 g) = 5.15 mW/g

Power Drift = 0.066 dB

Maximum value of SAR (measured) = 10.8 mW/g



Date/Time: 2008-03-28 10:58:23

Test Laboratory: TCC Nokia

Type: D1900V2; Serial: 534

Communication System: CW1900

Frequency: 1900 MHz; Duty Cycle: 1:1

Medium: MSL1900; Medium Notes: T=20.2

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.52$ mho/m; $\epsilon_r = 51.5$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1504; Probe Notes:
- ConvF(4.6, 4.6, 4.6); Calibrated: 2007-08-29
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE4 Sn604; Calibrated: 2007-08-29
- Phantom: SAM 3; Type: Twin Phantom; Serial: NMP03311
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 172

System Check/Area Scan (71x71x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 11.2 mW/g

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

Reference Value = 84.7 V/m

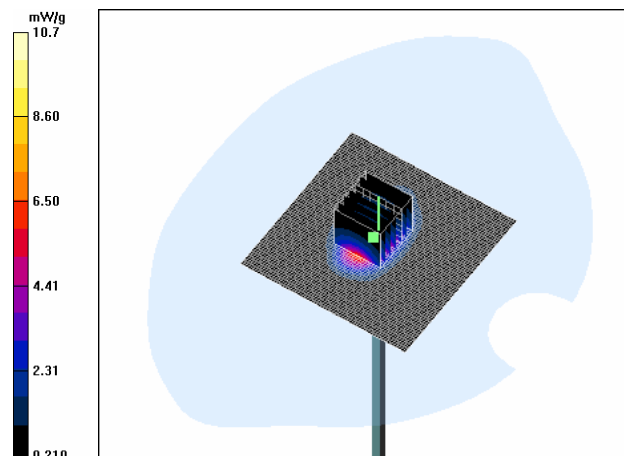
Peak SAR (extrapolated) = 16.0 W/kg

SAR(1 g) = 9.54 mW/g

SAR(10 g) = 5.1 mW/g

Power Drift = 0.026 dB

Maximum value of SAR (measured) = 10.7 mW/g



APPENDIX B: MEASUREMENT SCANS

Date/Time: 2008-03-24 14:51:18

Test Laboratory: TCC Nokia

Type: RM-375; Serial: A0000001269B43C

Communication System: CDMA800

Frequency: 836.52 MHz; Duty Cycle: 1:1

Medium: HSL835; Medium Notes: T=21.0C

Medium parameters used: $f = 837$ MHz; $\sigma = 0.93$ mho/m; $\epsilon_r = 40.4$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1505; Probe Notes:
- ConvF(6.86, 6.86, 6.86); Calibrated: 2007-08-29
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn377; Calibrated: 2007-05-04
- Phantom: SAM1; Type: Twin Phantom; Serial: TP-1035
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 172

Cheek, Middle, Flip open/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.07 mW/g

Cheek, Middle, Flip open/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.72 V/m

Peak SAR (extrapolated) = 1.77 W/kg

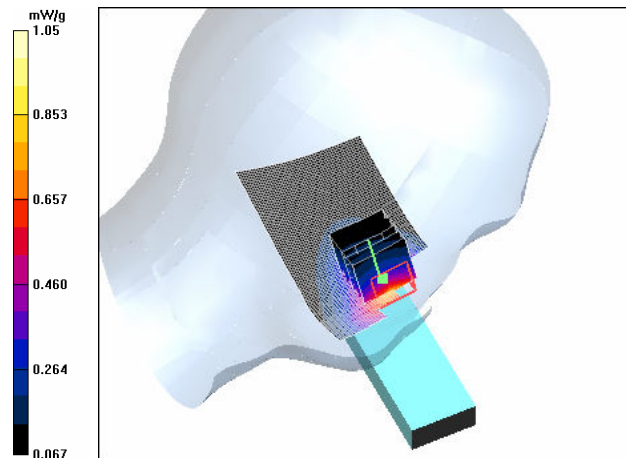
SAR(1 g) = 0.912 mW/g

SAR(10 g) = 0.535 mW/g

Power Drift = -0.022 dB

Warning: Maximum averaged SAR over 10 g is located on the boundary of the measurement cube. This cube might not incorporate the absolute averaged SAR. Please consider a refinement of the Area Scan measurement.

Maximum value of SAR (measured) = 1.05 mW/g



Date/Time: 2008-03-24 15:18:06

Test Laboratory: TCC Nokia

Type: RM-375; Serial: A0000001269B43C

Communication System: CDMA800

Frequency: 836.52 MHz; Duty Cycle: 1:1

Medium: HSL835; Medium Notes: T=21.0C

Medium parameters used: $f = 837$ MHz; $\sigma = 0.93$ mho/m; $\epsilon_r = 40.4$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1505; Probe Notes:
- ConvF(6.86, 6.86, 6.86); Calibrated: 2007-08-29
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn377; Calibrated: 2007-05-04
- Phantom: SAM1; Type: Twin Phantom; Serial: TP-1035
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 172

Tilt, Middle, Flip open/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.329 mW/g

Tilt, Middle, Flip open/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.0 V/m

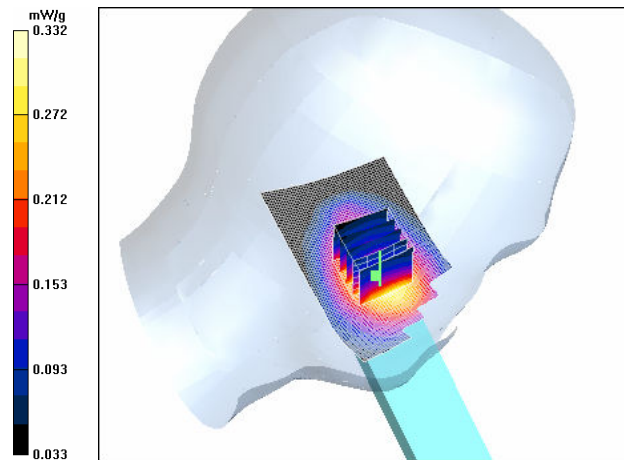
Peak SAR (extrapolated) = 0.405 W/kg

SAR(1 g) = 0.315 mW/g

SAR(10 g) = 0.232 mW/g

Power Drift = 0.082 dB

Maximum value of SAR (measured) = 0.332 mW/g



Date/Time: 2008-03-26 12:13:35

Test Laboratory: TCC Nokia

Type: RM-375; Serial: A0000001269B43C

Communication System: CDMA800

Frequency: 836.52 MHz; Duty Cycle: 1:1

Medium: HSL835; Medium Notes: T=21.2C

Medium parameters used: $f = 837 \text{ MHz}$; $\sigma = 0.888 \text{ mho/m}$; $\epsilon_r = 40.3$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1505; Probe Notes:
- ConvF(6.86, 6.86, 6.86); Calibrated: 2007-08-29
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn377; Calibrated: 2007-05-04
- Phantom: SAM1; Type: Twin Phantom; Serial: TP-1035
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 172

Cheek, Middle, Flip open/Area Scan (51x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 0.861 mW/g

Cheek, Middle, Flip open/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 6.74 V/m

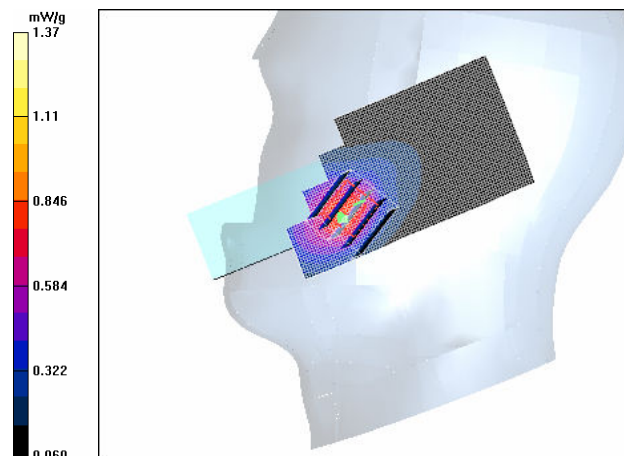
Peak SAR (extrapolated) = 2.45 W/kg

SAR(1 g) = 1.07 mW/g

SAR(10 g) = 0.579 mW/g

Power Drift = 0.036 dB

Maximum value of SAR (measured) = 1.37 mW/g



Date/Time: 2008-03-26 12:32:32

Test Laboratory: TCC Nokia

Type: RM-375; Serial: A0000001269B43C

Communication System: CDMA800

Frequency: 836.52 MHz; Duty Cycle: 1:1

Medium: HSL835; Medium Notes: T=21.2C

Medium parameters used: $f = 837$ MHz; $\sigma = 0.888$ mho/m; $\epsilon_r = 40.3$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1505; Probe Notes:
- ConvF(6.86, 6.86, 6.86); Calibrated: 2007-08-29
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn377; Calibrated: 2007-05-04
- Phantom: SAM1; Type: Twin Phantom; Serial: TP-1035
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 172

Tilt, Middle, Flip open/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.250 mW/g

Tilt, Middle, Flip open/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.7 V/m

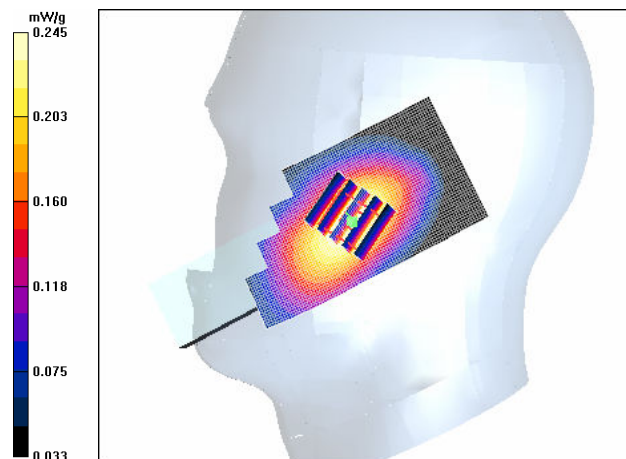
Peak SAR (extrapolated) = 0.294 W/kg

SAR(1 g) = 0.234 mW/g

SAR(10 g) = 0.175 mW/g

Power Drift = -0.074 dB

Maximum value of SAR (measured) = 0.245 mW/g



Date/Time: 2008-04-08 14:22:09

Test Laboratory: TCC Nokia

Type: RM-375; Serial: A0000001269B43C

Communication System: CDMA800

Frequency: 836.52 MHz; Duty Cycle: 1:1

Medium: HSL835; Medium Notes: T=21.6C

Medium parameters used: $f = 837$ MHz; $\sigma = 0.911$ mho/m; $\epsilon_r = 41$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1505; Probe Notes:
- ConvF(6.86, 6.86, 6.86); Calibrated: 2007-08-29
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn377; Calibrated: 2007-05-04
- Phantom: SAM1; Type: Twin Phantom; Serial: TP-1035
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 172

Cheek, Middle, Flip open, BT active/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.965 mW/g

Cheek, Middle, Flip open, BT active/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.23 V/m

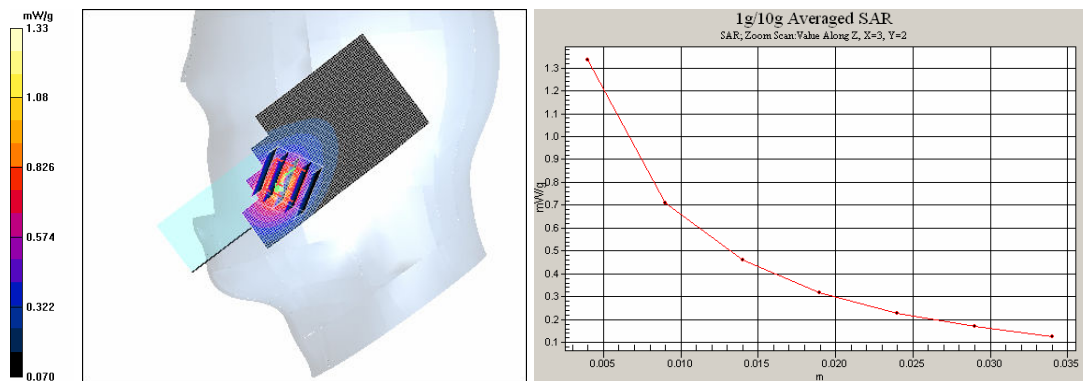
Peak SAR (extrapolated) = 2.40 W/kg

SAR(1 g) = 1.13 mW/g

SAR(10 g) = 0.631 mW/g

Power Drift = 0.005 dB

Maximum value of SAR (measured) = 1.33 mW/g



SAR Report

SD_SAR_0815_01

Applicant: Nokia Corporation

Type: RM-375

Copyright © 2008 TCC Nokia

Date/Time: 2008-03-27 16:00:03

Test Laboratory: TCC Nokia

Type: RM-375; Serial: A0000001269B43C

Communication System: CDMA1700/2100

Frequency: 1711.25 MHz; Duty Cycle: 1:1

Medium: HSL1700; Medium Notes: T=20.6C

Medium parameters used (interpolated): $f = 1711.25$ MHz; $\sigma = 1.35$ mho/m; $\epsilon_r = 39.2$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1504; Probe Notes:
- ConvF(5.25, 5.25, 5.25); Calibrated: 2007-08-29
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE4 Sn604; Calibrated: 2007-08-29
- Phantom: SAM 2 ; Type: Twin Phantom; Serial: NMP03309
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 172

Cheek, Low, Flip open/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.03 mW/g

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

Reference Value = 8.00 V/m

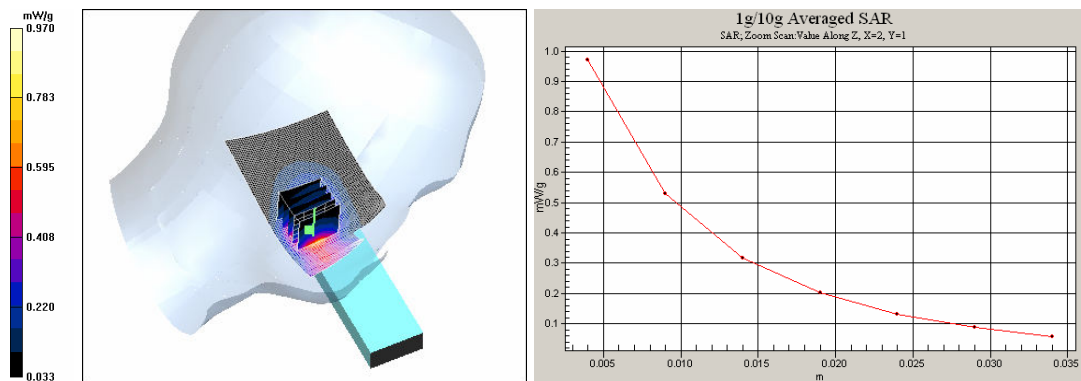
Peak SAR (extrapolated) = 1.46 W/kg

SAR(1 g) = 0.848 mW/g

SAR(10 g) = 0.502 mW/g

Power Drift = -0.260 dB

Maximum value of SAR (measured) = 0.970 mW/g



SAR Report

SD_SAR_0815_01

Applicant: Nokia Corporation

Type: RM-375

Copyright © 2008 TCC Nokia

Date/Time: 2008-03-27 14:27:47

Test Laboratory: TCC Nokia

Type: RM-375; Serial: A0000001269B43C

Communication System: CDMA1700/2100

Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: HSL1700; Medium Notes: T=20.6C

Medium parameters used (interpolated): $f = 1732.5$ MHz; $\sigma = 1.37$ mho/m; $\epsilon_r = 39.1$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1504; Probe Notes:
- ConvF(5.25, 5.25, 5.25); Calibrated: 2007-08-29
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE4 Sn604; Calibrated: 2007-08-29
- Phantom: SAM 2 ; Type: Twin Phantom; Serial: NMP03309
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 172

Tilt, Middle, Flip open/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm

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

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

Reference Value = 14.2 V/m

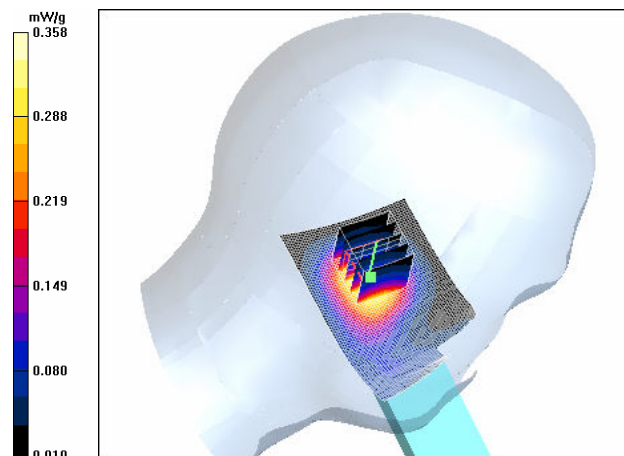
Peak SAR (extrapolated) = 0.461 W/kg

SAR(1 g) = 0.334 mW/g

SAR(10 g) = 0.215 mW/g

Power Drift = 0.015 dB

Maximum value of SAR (measured) = 0.358 mW/g



Date/Time: 2008-03-27 14:48:54

Test Laboratory: TCC Nokia

Type: RM-375; Serial: A0000001269B43C

Communication System: CDMA1700/2100

Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: HSL1700; Medium Notes: T=20.6C

Medium parameters used (interpolated): $f = 1732.5$ MHz; $\sigma = 1.37$ mho/m; $\epsilon_r = 39.1$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1504; Probe Notes:
- ConvF(5.25, 5.25, 5.25); Calibrated: 2007-08-29
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE4 Sn604; Calibrated: 2007-08-29
- Phantom: SAM 2 ; Type: Twin Phantom; Serial: NMP03309
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 172

Cheek, Middle, Flip open/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.571 mW/g

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

Reference Value = 5.54 V/m

Peak SAR (extrapolated) = 0.724 W/kg

SAR(1 g) = 0.529 mW/g

SAR(10 g) = 0.339 mW/g

Power Drift = -0.006 dB

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

Cheek, Middle, Flip open/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 5.54 V/m

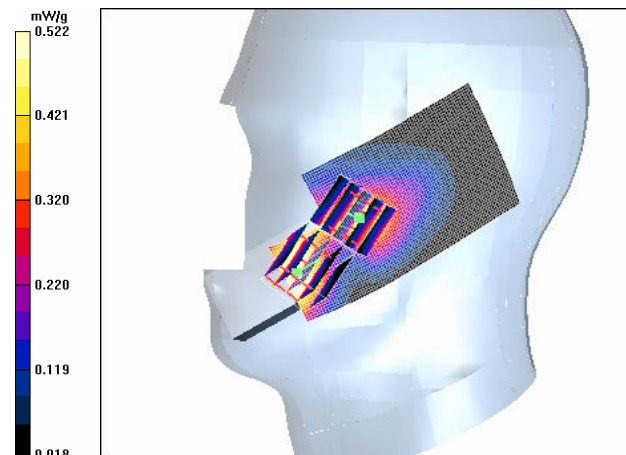
Peak SAR (extrapolated) = 0.764 W/kg

SAR(1 g) = 0.471 mW/g

SAR(10 g) = 0.286 mW/g

Power Drift = -0.006 dB

Maximum value of SAR (measured) = 0.522 mW/g



SAR Report

SD_SAR_0815_01

Applicant: Nokia Corporation

Type: RM-375

Copyright © 2008 TCC Nokia

Date/Time: 2008-03-27 15:41:25

Test Laboratory: TCC Nokia

Type: RM-375; Serial: A0000001269B43C

Communication System: CDMA1700/2100

Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: HSL1700; Medium Notes: T=20.6C

Medium parameters used (interpolated): $f = 1732.5$ MHz; $\sigma = 1.37$ mho/m; $\epsilon_r = 39.1$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1504; Probe Notes:
- ConvF(5.25, 5.25, 5.25); Calibrated: 2007-08-29
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE4 Sn604; Calibrated: 2007-08-29
- Phantom: SAM 2 ; Type: Twin Phantom; Serial: NMP03309
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 172

Tilt, Middle, Flip open/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.462 mW/g

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

Reference Value = 14.1 V/m

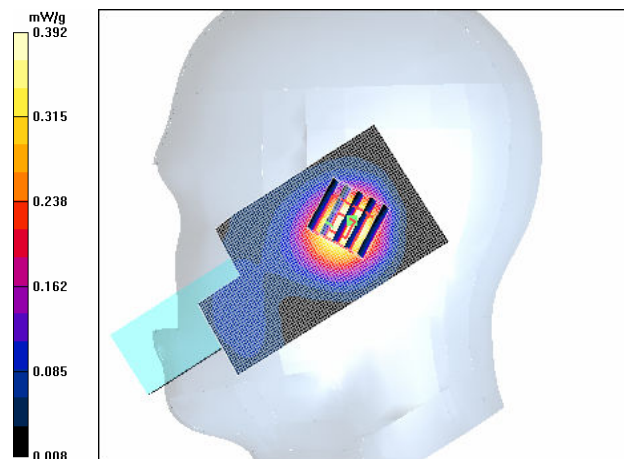
Peak SAR (extrapolated) = 0.513 W/kg

SAR(1 g) = 0.370 mW/g

SAR(10 g) = 0.234 mW/g

Power Drift = -0.035 dB

Maximum value of SAR (measured) = 0.392 mW/g



SAR Report

SD_SAR_0815_01

Applicant: Nokia Corporation

Type: RM-375

Copyright © 2008 TCC Nokia

Date/Time: 2008-03-27 16:56:58

Test Laboratory: TCC Nokia

Type: RM-375; Serial: A0000001269B43C

Communication System: CDMA1700/2100

Frequency: 1711.25 MHz; Duty Cycle: 1:1

Medium: HSL1700; Medium Notes: T=20.6C

Medium parameters used (interpolated): $f = 1711.25 \text{ MHz}$; $\sigma = 1.35 \text{ mho/m}$; $\epsilon_r = 39.2$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1504; Probe Notes:
- ConvF(5.25, 5.25, 5.25); Calibrated: 2007-08-29
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE4 Sn604; Calibrated: 2007-08-29
- Phantom: SAM 2 ; Type: Twin Phantom; Serial: NMP03309
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 172

Cheek, Low, Flip open, BT active/Area Scan (51x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 1.03 mW/g

Cheek, Low, Flip open, BT active/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 8.33 V/m

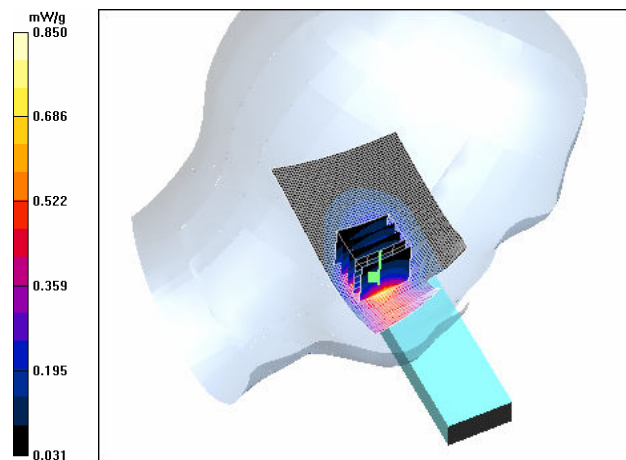
Peak SAR (extrapolated) = 1.26 W/kg

SAR(1 g) = 0.776 mW/g

SAR(10 g) = 0.468 mW/g

Power Drift = 0.337 dB

Maximum value of SAR (measured) = 0.850 mW/g



Date/Time: 2008-03-24 13:41:55

Test Laboratory: TCC Nokia

Type: RM-375; Serial: A0000001269B43C

Communication System: CDMA1900

Frequency: 1851.25 MHz; Duty Cycle: 1:1

Medium: HSL1900; Medium Notes: T=20.1C

Medium parameters used (interpolated): $f = 1851.25$ MHz; $\sigma = 1.38$ mho/m; $\epsilon_r = 39.8$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1504; Probe Notes:
- ConvF(5.09, 5.09, 5.09); Calibrated: 2007-08-29
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE4 Sn604; Calibrated: 2007-08-29
- Phantom: SAM 1; Type: Twin Phantom; Serial: NMP3310
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Cheek, Low, Flip open/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.744 mW/g

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

Reference Value = 6.42 V/m

Peak SAR (extrapolated) = 1.09 W/kg

SAR(1 g) = 0.696 mW/g

SAR(10 g) = 0.409 mW/g

Power Drift = -0.064 dB

Maximum value of SAR (measured) = 0.743 mW/g

Cheek, Low, Flip open/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 6.42 V/m

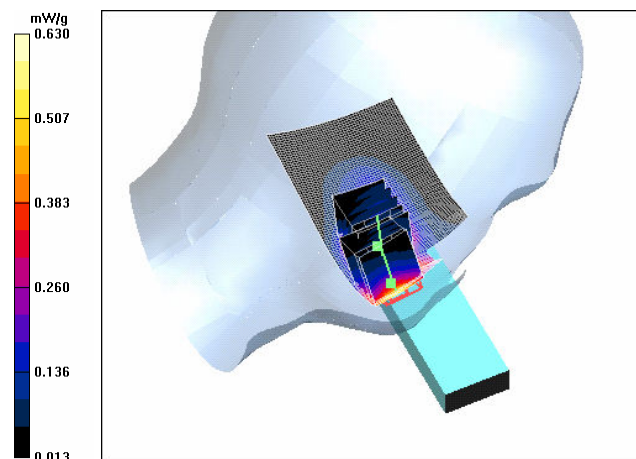
Peak SAR (extrapolated) = 0.863 W/kg

SAR(1 g) = 0.583 mW/g

SAR(10 g) = 0.373 mW/g

Power Drift = -0.064 dB

Maximum value of SAR (measured) = 0.630 mW/g



SAR Report

SD_SAR_0815_01

Applicant: Nokia Corporation

Type: RM-375

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Date/Time: 2008-03-24 11:32:30

Test Laboratory: TCC Nokia

Type: RM-375; Serial: A0000001269B43C

Communication System: CDMA1900

Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: HSL1900; Medium Notes: T=20.1C

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.4$ mho/m; $\epsilon_r = 39.7$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1504; Probe Notes:
- ConvF(5.09, 5.09, 5.09); Calibrated: 2007-08-29
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE4 Sn604; Calibrated: 2007-08-29
- Phantom: SAM 1; Type: Twin Phantom; Serial: NMP3310
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 172

Tilt, Middle, Flip open/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.392 mW/g

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

Reference Value = 14.2 V/m

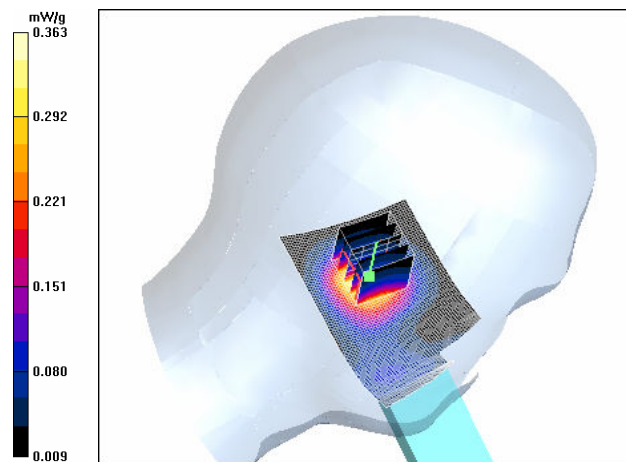
Peak SAR (extrapolated) = 0.470 W/kg

SAR(1 g) = 0.336 mW/g

SAR(10 g) = 0.210 mW/g

Power Drift = 0.154 dB

Maximum value of SAR (measured) = 0.363 mW/g



Date/Time: 2008-03-24 12:05:58

Test Laboratory: TCC Nokia

Type: RM-375; Serial: A0000001269B43C

Communication System: CDMA1900

Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: HSL1900; Medium Notes: T=20.1C

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.4$ mho/m; $\epsilon_r = 39.7$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1504; Probe Notes:
- ConvF(5.09, 5.09, 5.09); Calibrated: 2007-08-29
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE4 Sn604; Calibrated: 2007-08-29
- Phantom: SAM 1; Type: Twin Phantom; Serial: NMP3310
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 172

Cheek, Middle, Flip open/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.427 mW/g

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

Reference Value = 6.39 V/m

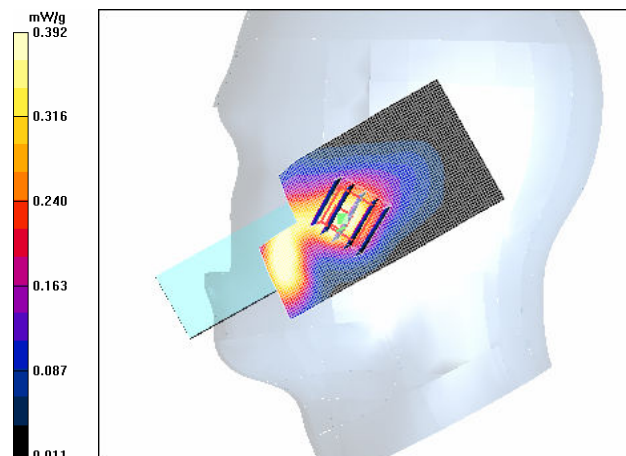
Peak SAR (extrapolated) = 0.546 W/kg

SAR(1 g) = 0.372 mW/g

SAR(10 g) = 0.228 mW/g

Power Drift = -0.091 dB

Maximum value of SAR (measured) = 0.392 mW/g



Date/Time: 2008-03-24 13:23:44

Test Laboratory: TCC Nokia

Type: RM-375; Serial: A0000001269B43C

Communication System: CDMA1900

Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: HSL1900; Medium Notes: T=20.1C

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.4$ mho/m; $\epsilon_r = 39.7$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1504; Probe Notes:
- ConvF(5.09, 5.09, 5.09); Calibrated: 2007-08-29
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE4 Sn604; Calibrated: 2007-08-29
- Phantom: SAM 1; Type: Twin Phantom; Serial: NMP3310
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 172

Tilt, Middle, Flip open/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm

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

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

Reference Value = 14.7 V/m

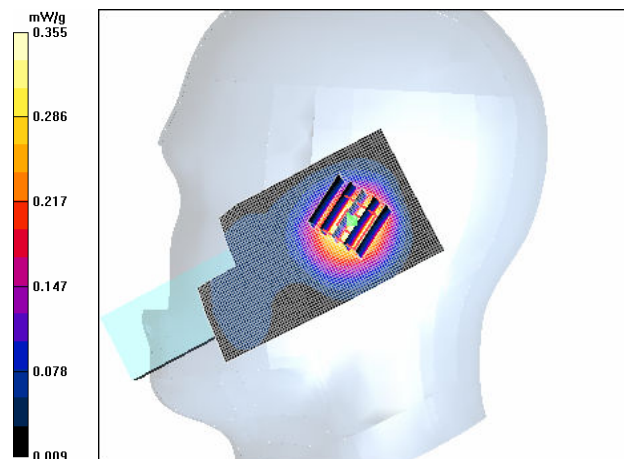
Peak SAR (extrapolated) = 0.462 W/kg

SAR(1 g) = 0.329 mW/g

SAR(10 g) = 0.206 mW/g

Power Drift = 0.075 dB

Maximum value of SAR (measured) = 0.355 mW/g



Date/Time: 2008-03-24 17:31:52

Test Laboratory: TCC Nokia

Type: RM-375; Serial: A0000001269B43C

Communication System: CDMA1900

Frequency: 1851.25 MHz; Duty Cycle: 1:1

Medium: HSL1900; Medium Notes: T=20.1C

Medium parameters used (interpolated): $f = 1851.25$ MHz; $\sigma = 1.38$ mho/m; $\epsilon_r = 39.8$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1504; Probe Notes:
- ConvF(5.09, 5.09, 5.09); Calibrated: 2007-08-29
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE4 Sn604; Calibrated: 2007-08-29
- Phantom: SAM 1; Type: Twin Phantom; Serial: NMP3310
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 172

Cheek, Low, Flip open, BT active/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.805 mW/g

Cheek, Low, Flip open, BT active/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 5.85 V/m

Peak SAR (extrapolated) = 1.14 W/kg

SAR(1 g) = 0.729 mW/g

SAR(10 g) = 0.430 mW/g

Power Drift = 0.006 dB

Maximum value of SAR (measured) = 0.785 mW/g

Cheek, Low, Flip open, BT active/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 5.85 V/m

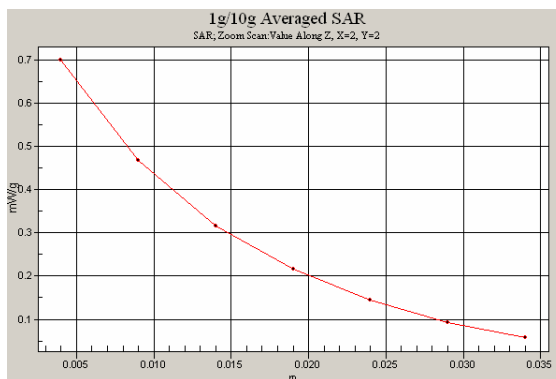
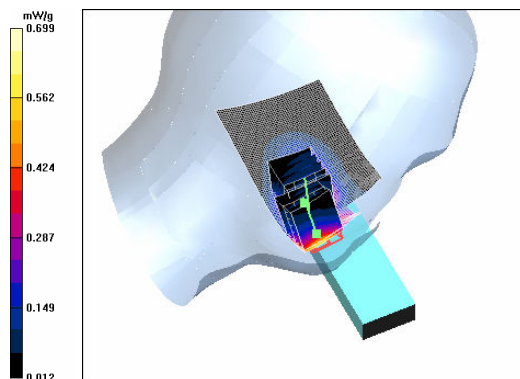
Peak SAR (extrapolated) = 0.966 W/kg

SAR(1 g) = 0.644 mW/g

SAR(10 g) = 0.404 mW/g

Power Drift = 0.006 dB

Maximum value of SAR (measured) = 0.699 mW/g



SAR Report

SD_SAR_0815_01

Applicant: Nokia Corporation

Type: RM-375

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Date/Time: 2008-03-26 15:28:11

Test Laboratory: TCC Nokia

Type: RM-375; Serial: A0000001269B43C

Communication System: CDMA800

Frequency: 836.52 MHz; Duty Cycle: 1:1

Medium: MSL850; Medium Notes: T=21.6C

Medium parameters used: $f = 837$ MHz; $\sigma = 0.978$ mho/m; $\epsilon_r = 53.9$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1505; Probe Notes:
- ConvF(6.49, 6.49, 6.49); Calibrated: 2007-08-29
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn377; Calibrated: 2007-05-04
- Phantom: SAM2; Type: Twin Phantom; Serial: TP-1279
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 172

Body, Middle, No accessory, Flip closed/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.546 mW/g

Body, Middle, No accessory, Flip closed/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 19.6 V/m

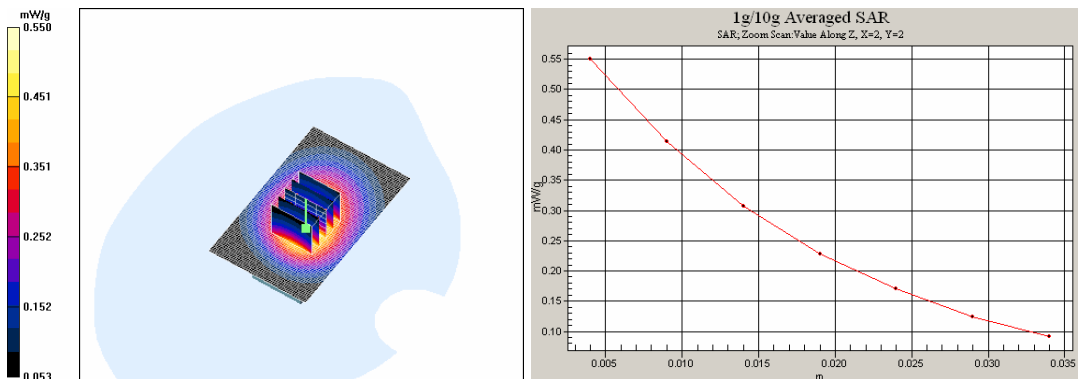
Peak SAR (extrapolated) = 0.672 W/kg

SAR(1 g) = 0.518 mW/g

SAR(10 g) = 0.372 mW/g

Power Drift = 0.002 dB

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



SAR Report

SD_SAR_0815_01

Applicant: Nokia Corporation

Type: RM-375

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Date/Time: 2008-03-26 17:11:35

Test Laboratory: TCC Nokia

Type: RM-375; Serial: A0000001269B43C

Communication System: CDMA800

Frequency: 824.7 MHz; Duty Cycle: 1:1

Medium: MSL850; Medium Notes: T=21.6C

Medium parameters used: $f = 825$ MHz; $\sigma = 0.97$ mho/m; $\epsilon_r = 53.9$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1505; Probe Notes:
- ConvF(6.49, 6.49, 6.49); Calibrated: 2007-08-29
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn377; Calibrated: 2007-05-04
- Phantom: SAM2; Type: Twin Phantom; Serial: TP-1279
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 172

Body, Low, Flip closed, HS-9/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.510 mW/g

Body, Low, Flip closed, HS-9/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.5 V/m

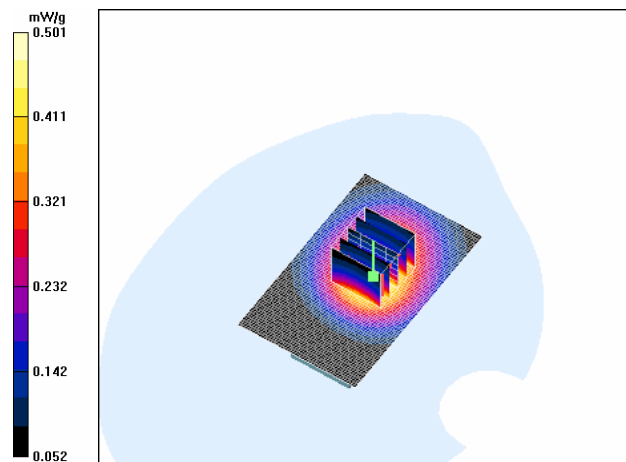
Peak SAR (extrapolated) = 0.612 W/kg

SAR(1 g) = 0.471 mW/g

SAR(10 g) = 0.338 mW/g

Power Drift = -0.056 dB

Maximum value of SAR (measured) = 0.501 mW/g



SAR Report

SD_SAR_0815_01

Applicant: Nokia Corporation

Type: RM-375

Copyright © 2008 TCC Nokia

Date/Time: 2008-03-26 17:39:29

Test Laboratory: TCC Nokia

Type: RM-375; Serial: A0000001269B43C

Communication System: CDMA800

Frequency: 836.52 MHz; Duty Cycle: 1:1

Medium: MSL850; Medium Notes: T=21.6C

Medium parameters used: $f = 837$ MHz; $\sigma = 0.978$ mho/m; $\epsilon_r = 53.9$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1505; Probe Notes:
- ConvF(6.49, 6.49, 6.49); Calibrated: 2007-08-29
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn377; Calibrated: 2007-05-04
- Phantom: SAM2; Type: Twin Phantom; Serial: TP-1279
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 172

Body, Middle, Flip closed, No accessory, BT active/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.548 mW/g

Body, Middle, Flip closed, No accessory, BT active/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.4 V/m

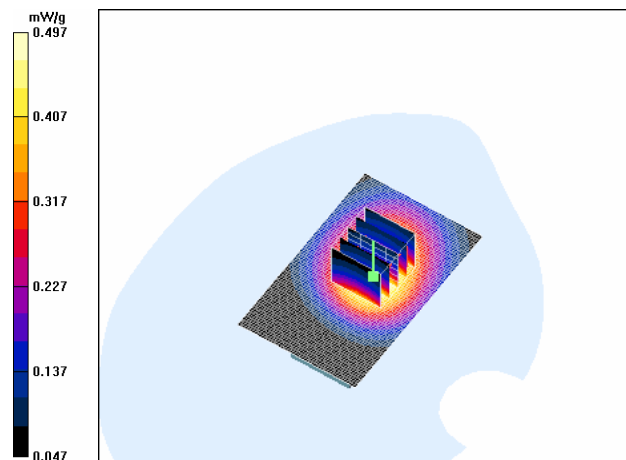
Peak SAR (extrapolated) = 0.609 W/kg

SAR(1 g) = 0.468 mW/g

SAR(10 g) = 0.336 mW/g

Power Drift = -0.116 dB

Maximum value of SAR (measured) = 0.497 mW/g



Date/Time: 2008-04-10 11:43:40 AM

Test Laboratory: TCC Nokia

Type: RM-375; Serial: A0000001269B43C

Communication System: CDMA1700/2100

Frequency: 1753.75 MHz; Duty Cycle: 1:1

Medium: 1700MHz Body; Medium Notes: T=20.8C

Medium parameters used: $f = 1754$ MHz; $\sigma = 1.5$ mho/m; $\epsilon_r = 50.9$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1516; Probe Notes:
- ConvF(4.87, 4.87, 4.87); Calibrated: 2007-11-12
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE4 Sn604; Calibrated: 2007-08-29
- Phantom: SAM 3; Type: Twin Phantom; Serial: NMP03311
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 172

Body, High, Flip closed, No accessory/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.261 mW/g

Body, High, Flip closed, No accessory/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 10.7 V/m

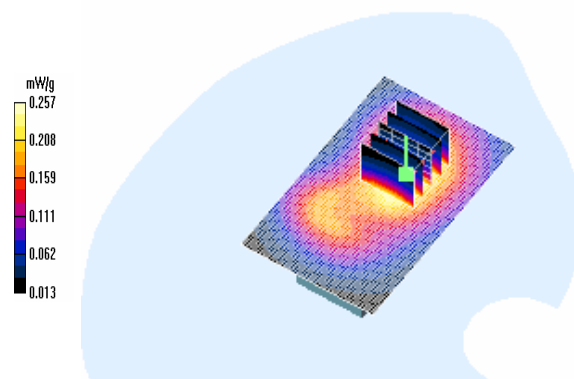
Peak SAR (extrapolated) = 0.327 W/kg

SAR(1 g) = 0.239 mW/g

SAR(10 g) = 0.162 mW/g

Power Drift = 0.035 dB

Maximum value of SAR (measured) = 0.269 mW/g



Date/Time: 2008-04-10 11:58:47

Test Laboratory: TCC Nokia

Type: RM-375; Serial: A0000001269B43C

Communication System: CDMA1700/2100

Frequency: 1753.75 MHz; Duty Cycle: 1:1

Medium: 1700MHz Body; Medium Notes: T=20.8C

Medium parameters used: $f = 1754$ MHz; $\sigma = 1.5$ mho/m; $\epsilon_r = 50.9$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1516; Probe Notes:
- ConvF(4.87, 4.87, 4.87); Calibrated: 2007-11-12
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE4 Sn604; Calibrated: 2007-08-29
- Phantom: SAM 3; Type: Twin Phantom; Serial: NMP03311
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 172

Body, High, Flip closed, HS-9/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.254 mW/g

Body, High, Flip closed, HS-9/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 9.47 V/m

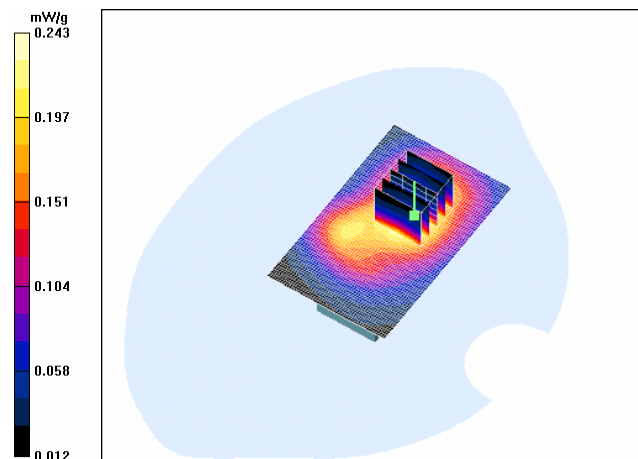
Peak SAR (extrapolated) = 0.310 W/kg

SAR(1 g) = 0.227 mW/g

SAR(10 g) = 0.152 mW/g

Power Drift = -0.102 dB

Maximum value of SAR (measured) = 0.243 mW/g



Date/Time: 2008-04-10 12:36:58

Test Laboratory: TCC Nokia

Type: RM-375; Serial: A0000001269B43C

Communication System: CDMA1700/2100

Frequency: 1753.75 MHz; Duty Cycle: 1:1

Medium: 1700MHz Body; Medium Notes: T=20.8C

Medium parameters used: $f = 1754$ MHz; $\sigma = 1.5$ mho/m; $\epsilon_r = 50.9$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1516; Probe Notes:
- ConvF(4.87, 4.87, 4.87); Calibrated: 2007-11-12
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE4 Sn604; Calibrated: 2007-08-29
- Phantom: SAM 3; Type: Twin Phantom; Serial: NMP03311
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 172

Body, High, Flip closed, No accessory, BT active/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.276 mW/g

Body, High, Flip closed, No accessory, BT active/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 10.7 V/m

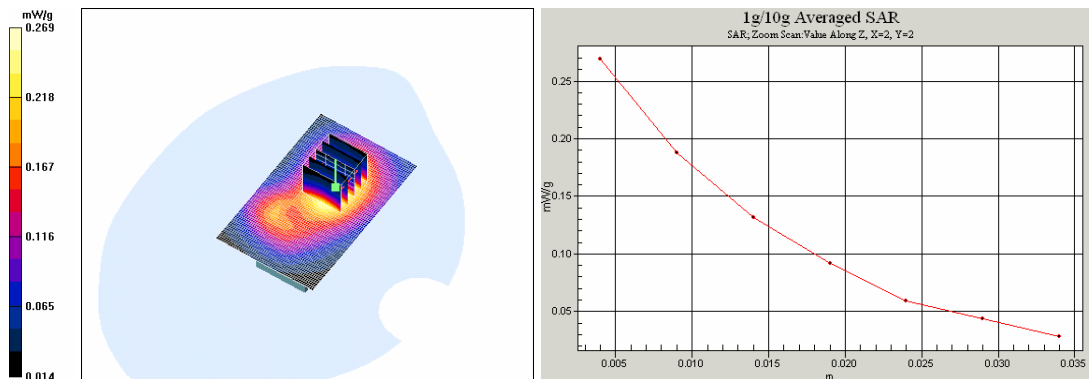
Peak SAR (extrapolated) = 0.347 W/kg

SAR(1 g) = 0.251 mW/g

SAR(10 g) = 0.171 mW/g

Power Drift = 0.191 dB

Maximum value of SAR (measured) = 0.269 mW/g



SAR Report

SD_SAR_0815_01

Applicant: Nokia Corporation

Type: RM-375

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Date/Time: 2008-03-28 11:48:42

Test Laboratory: TCC Nokia

Type: RM-375; Serial: A0000001269B43C

Communication System: CDMA1900

Frequency: 1851.25 MHz; Duty Cycle: 1:1

Medium: 1900MHz Body; Medium Notes: T=20.2C

Medium parameters used (interpolated): $f = 1851.25 \text{ MHz}$; $\sigma = 1.48 \text{ mho/m}$; $\epsilon_r = 51.6$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1504; Probe Notes:
- ConvF(4.6, 4.6, 4.6); Calibrated: 2007-08-29
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE4 Sn604; Calibrated: 2007-08-29
- Phantom: SAM 3; Type: Twin Phantom; Serial: NMP03311
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 172

Body, Low, Flip closed, No accessory/Area Scan (51x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 0.301 mW/g

Body, Low, Flip closed, No accessory/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 11.5 V/m

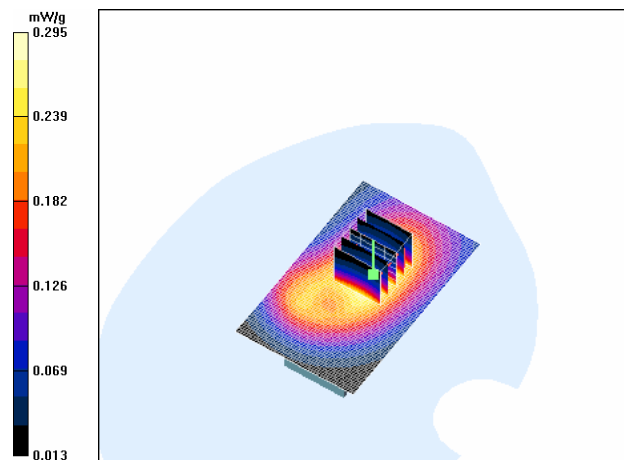
Peak SAR (extrapolated) = 0.389 W/kg

SAR(1 g) = 0.276 mW/g

SAR(10 g) = 0.184 mW/g

Power Drift = -0.023 dB

Maximum value of SAR (measured) = 0.295 mW/g



Date/Time: 2008-03-28 12:33:11

Test Laboratory: TCC Nokia

Type: RM-375; Serial: A0000001269B43C

Communication System: CDMA1900

Frequency: 1908.75 MHz; Duty Cycle: 1:1

Medium: 1900MHz Body; Medium Notes: T=20.2C

Medium parameters used: $f = 1909$ MHz; $\sigma = 1.53$ mho/m; $\epsilon_r = 51.4$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1504; Probe Notes:
- ConvF(4.6, 4.6, 4.6); Calibrated: 2007-08-29
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE4 Sn604; Calibrated: 2007-08-29
- Phantom: SAM 3; Type: Twin Phantom; Serial: NMP03311
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 172

Body, High, Flip closed, HS-9/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

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

Body, High, Flip closed, HS-9/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 13.3 V/m

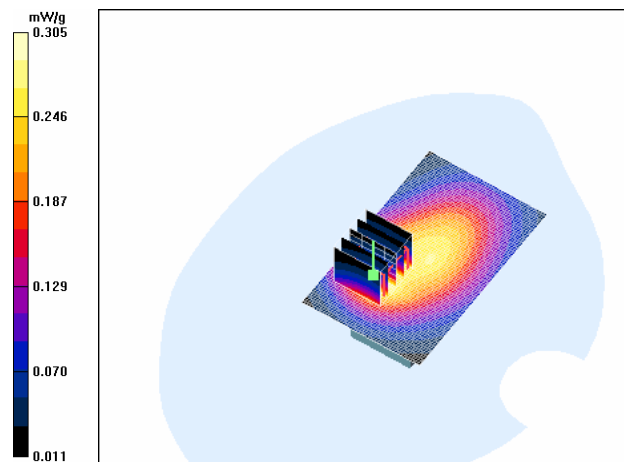
Peak SAR (extrapolated) = 0.443 W/kg

SAR(1 g) = 0.284 mW/g

SAR(10 g) = 0.181 mW/g

Power Drift = -0.174 dB

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



Date/Time: 2008-03-28 14:12:35

Test Laboratory: TCC Nokia

Type: RM-375; Serial: A0000001269B43C

Communication System: CDMA1900

Frequency: 1908.75 MHz; Duty Cycle: 1:1

Medium: 1900MHz Body; Medium Notes: T=20.2C

Medium parameters used: $f = 1909$ MHz; $\sigma = 1.53$ mho/m; $\epsilon_r = 51.4$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1504; Probe Notes:
- ConvF(4.6, 4.6, 4.6); Calibrated: 2007-08-29
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE4 Sn604; Calibrated: 2007-08-29
- Phantom: SAM 3; Type: Twin Phantom; Serial: NMP03311
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 172

Body, High, Flip closed, HS-9, BT active/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.342 mW/g

Body, High, Flip closed, HS-9, BT active/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 13.7 V/m

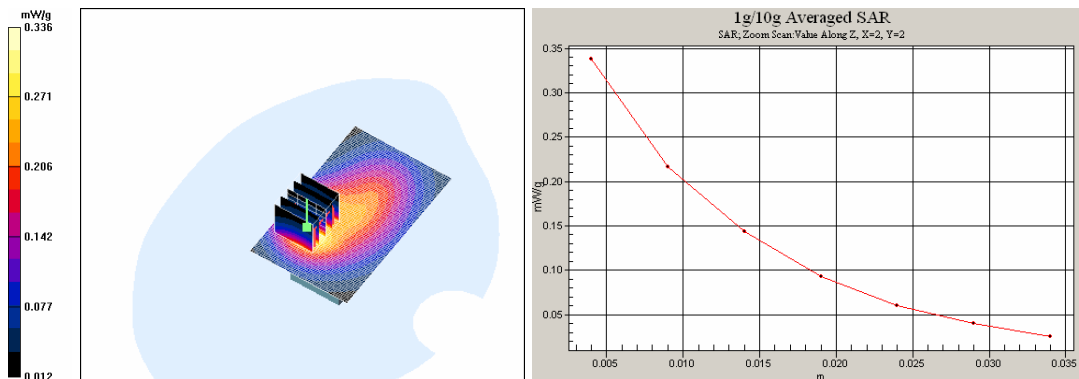
Peak SAR (extrapolated) = 0.492 W/kg

SAR(1 g) = 0.309 mW/g

SAR(10 g) = 0.193 mW/g

Power Drift = -0.211 dB

Maximum value of SAR (measured) = 0.336 mW/g



SAR Report

SD_SAR_0815_01

Applicant: Nokia Corporation

Type: RM-375

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