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LD/SEMC/CCDALE Kent Lorentzon

Approved

LD/SEMC/CCDALEC Peter Lindeborg

Checked

PL

Company Internal
REPORT

No.

CCDA09:295

Date

090617

Rev

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Report issued by Accredited SAR Laboratory**for****FCC ID: PY7A3880039 (T715)****Date of test:** 2009-05-29 – 2009-06-12**Laboratory:** Sony Ericsson SAR Test Laboratory
Sony Ericsson Mobile Communications AB
Nya Vattentornet
SE-221 82 LUND, Sweden**Testing Engineer:** Kent Lorentzon
Kent.Lorentzon@sonyericsson.com
+46 10 80 19043**Testing Approval:** Peter Lindeborg
peter.lindeborg@sonyericsson.com
+46 10 80 24368**Statement of Compliance**

Sony Ericsson Mobile Communications AB declares under its sole responsibility that the product

Sony Ericsson Type: AAD-3880039-BV**FCC ID: PY7A3880039****IC: 4170B-A3880039**

to which this declaration relates, is in conformity with the appropriate RF exposure standards recommendations and guidelines. It also declares that the product was tested in accordance with the appropriate measurement standards, guidelines and recommended practices. Any deviations from these standards, guidelines and recommended practices are noted below:

(None)

This laboratory is accredited to ISO/IEC 17025 (SWEDAC accreditation no. 1847).



Laboratories are accredited by the Swedish Board for Accreditation and Conformity Assessment (SWEDAC) under the terms of Swedish legislation. The accredited laboratory activities meet the requirements in SS-EN ISO/IEC 17025 (2005). This report may not be reproduced other than in full, except with the prior written approval of the issuing laboratory.

The results and statements contained herein relate only to the items tested. The names of individuals involved may be mentioned only in connection with the statements or results from this report.

Sony Ericsson encourages all feedback, both positive and negative, on this report.

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1 Introduction

In this test report, compliance of the Sony Ericsson PY7A3880039 (T715) portable telephone with RF safety guidelines is demonstrated. The applicable RF safety guidelines and the SAR measurement specifications used for the test are described in the SAR Measurement Specifications of Wireless Handsets [1].

2 Customer details

Company Name:	Sony Ericsson Mobile Communications AB
Address:	Sony Ericsson Mobile India Chennai
Contact Name:	Pothula Hari Krishna

3 Device Under Test

3.1 Antenna Description

Type	Internal antenna	
Location	Bottom of phone	
Main and BT antennas distance	67,0 mm	
Dimensions	Max length	43 mm
	Max width	14 mm
Configuration	Semi-PIFA	



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3.2 Device Description

Device model	AAD-3880039-BV					
Market name	T715					
Serial number (EUT #)	BX900MF6PJ (#15456)					
Mode	GSM 850			GSM 1900		
Crest factor	8.3			8.3		
Multiple access scheme	TDMA			TDMA		
Channel No.	128	190	251	512	661	885
Measured Power Level [dBm] ¹ (#14543)	33.2	33.2	33.3	30.4	30.4	30.4
Product Maximum power Level [dBm] ¹	33.5	33.5	33.5	30.5	30.5	30.5
Data mode	GPRS			GPRS		
Crest factor	4.15			4.15		
Measured Power Level [dBm] ¹ (#14543)	33.2	33.3	33.3	30.3	30.3	30.2
Product Maximum power Level [dBm] ¹	33.5	33.5	33.5	30.5	30.5	30.5
Data mode	EDGE			EDGE		
Crest factor	4.15			4.15		
Measured Power Level [dBm] ¹ (#14543)	27.3	27.4	27.4	26.5	26.4	26.5
Product Maximum power Level [dBm] ¹	27.5	27.5	27.5	26.5	26.5	26.5
Transmitting frequency range [MHz]	824.0 - 849.0			1850.0 - 1910.0		

GPRS Multislot class	10
EDGE class	10
GPRS Capability class	B
BT class and conducted power	Class 1, 2,50 mW
Prototype or production unit	Preproduction
Hardware Version	AP2
Software version	R1FA009
Device category	Portable
RF exposure environment	General population / uncontrolled

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4 Test equipment

4.1 Dosimetric system

SAR measurements were made using the DASY4 professional system (software version 4.7, Build 71) with SAM twin phantom, manufactured by Schmid & Partner Engineering AG (SPEAG). The list of calibrated equipment is given below.

Description	Serial Number	Due Date
DASY4 DAE3	433	2010-01
E-field probe ET3DV6	3062	2010-01
Dipole Validation Kit, D835V2	4d039	2010-01
Dipole Validation Kit, D1900V2	5d002	2011-01

4.2 Additional equipment

Description	Inventory Number	Due Date
Signal generator R&S SML 03	20007666	2010-03
Directional coupler	S/N: 063	2010-03
Power meter R&S NRVD	483920	2010-03
Power sensor R&S NRV-Z5	2333	2010-03
Power sensor R&S NRV-Z5	2334	2010-03
Network analyzer HP 8753 C	421671	2010-03
Dielectric probe kit HP85070 D	20000053	Self Cal
R&S CMU200	S/N: 837024/091	2010-03

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5 Electrical parameters on the tissue simulating liquid

Prior to conducting SAR measurements, the relative permittivity, ϵ_r , and the conductivity σ , of the tissue simulating liquids were measured with the dielectric probe kit. These values are shown in the table below. The mass density, ρ , entered into the DASY4 software is also given. Recommended limits for permittivity ϵ_r , conductivity σ and mass density ρ are also shown.

f [MHz]	Tissue type	Measured / Recommended	Dielectric Parameters		Density
			ϵ_r	σ [S/m]	ρ [g/cm ³]
835	Head	Measured, 2009-05-29	39.57	0.86	1.00
		Recommended	41.50	0.90	1.00
835	Body	Measured, 2009-06-12	52.75	0.97	1.00
		Recommended	55.20	0.97	1.00
1900	Head	Measured, 2009-06-10	38.30	1.46	1.00
		Recommended	40.00	1.40	1.00
1900	Body	Measured, 2009-06-11	54.40	1.59	1.00
		Recommended	53.30	1.52	1.00

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6 System accuracy verification

A system accuracy verification of the DASY4 was performed using the dipole validation kit listed in section 3.1. The system verification test was conducted on the same day as the measurement of the DUT. The ambient humidity and temperature of test facility were kept between the range 30-70% and 20.0-25.0 °C respectively. RF noise had been measured in liquid when all RF equipment in lab was switched off. Measured value was 0.0002 mW/g in 1g mass.

f [MHz]	Tissue type	Measured / Reference	SAR [W/kg] 1g	Dielectric Parameters		Density	Liquid T[°C]
				ϵ_r	σ [S/m]	ρ [g/cm ³]	
835	Head	Measured, 2009-05-29	10,10	39,57	0,86	1.00	21,5
		Reference	9,86	41.50	0.90	1.00	22,0
835	Body	Measured, 2009-06-12	10,30	52,75	0,97	1.00	22,1
		Reference	9,41	55.20	0.97	1.00	22,0
1900	Head	Measured, 2009-06-10	41,60	38,30	1,46	1.00	21,2
		Reference	39,90	40.00	1.40	1.00	22,0
1900	Body	Measured, 2009-06-11	38,70	54,40	1,59	1.00	22,0
		Reference	41,50	53.30	1.52	1.00	22,0

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7 SAR measurement uncertainty

SAR measurement uncertainty evaluation for Sony Ericsson PY7A3880039 (T715) phone According to IEEE 1528

Uncertainty Component	Uncer. (%)	Prob Dist.	Div.	C _i	1g mass
Measurement System					
Probe Calibration	±5.9	N	1	1	±5.9
Axial Isotropy	±4.7	R	√3	0.7	±1.9
Spherical Isotropy	±9.6	R	√3	0.7	±3.9
Boundary effect	±1.0	R	√3	1	±0.6
Probe linearity	±4.7	R	√3	1	±2.7
Detection limit	±1.0	R	√3	1	±0.6
Readout electronics	±0.3	N	1	1	±0.3
Response time	±0.8	R	√3	1	±0.5
Integration time	±2.6	R	√3	1	±1.5
RF Ambient Conditions	±3.0	R	√3	1	±1.7
Mech. Constraints of robot	±0.4	R	√3	1	±0.2
Probe positioning	±2.9	R	√3	1	±1.7
Extrap, interpolation and integration	±1.0	R	√3	1	±0.6
Measurement System Uncertainty					±8.4
Test Sample Related					
Device positioning	±3.5	N	1	1	±3.5
Device holder uncertainty	±3.5	N	1	1	±3.5
Power drift	±5.0	R	√3	1	±2.9
Test Sample Related Uncertainty					±5.5
Phantom and Tissue Parameters					
Phantom uncertainty	±4.0	R	√3	1	±2.3
Liquid conductivity (measured)	±2.5	R	1	0.64	±1.6
Liquid conductivity (target)	±5.0	R	√3	0.64	±1.8
Liquid Permittivity (measured)	±2.5	R	1	0.6	±1.5
Liquid Permittivity (target)	±5.0	R	√3	0.6	±1.7
Phantom and Tissue Parameters Uncertainty					±4.1
Combined standard uncertainty					±10.8
Extended standard uncertainty (k=2)					±21.6

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8 Test results

The ambient humidity and temperature of test facility were kept between the range 30-70% and 20.0-25.0 °C respectively. A base station simulator was used to control the device during the SAR measurement. The DUT was supplied with a fully charged battery for each measurement.

For head measurement, the DUT was tested on the right-hand side and the left-hand side of the phantom in two phone positions, cheek (touch) and tilt (cheek + 15°). The DUT was tested at the lowest, middle and highest frequencies in the transmission band. The measured 1-gram averaged SAR values of the DUT towards the head are provided in Table 1.

For body measurement the DUT was tested with the back (antenna) and front(display) towards the phantom flat section with 15 mm distance in both speech and data mode. For all modes, the device was tested at the lowest, middle and highest frequencies in the transmission band. For portable hands free (PHF) usage the Sony Ericsson head set HPB-60 was connected to the DUT. The measured 1-gram averaged SAR values of the DUT towards the body are provided in Table 2.

Band	Channel	Measured output power ¹ [dBm]	Position	Liquid T [°C]	Measured SAR [W/kg]	
					Left-hand 1g mass	Right-hand 1g mass
GSM 850	128	33,2	Cheek Closed	21,5	0,52	0,51
			Tilt Closed	21,5	-	-
	190	33,2	Cheek Closed	21,5	0,76	0,65
			Tilt Closed	21,5	0,30	0,30
			Cheek Open	21,5	0,40	0,39
			Tilt Open	21,5	0,24	0,24
	251	33,3	Cheek Closed	21,5	0,88	0,87
			Tilt Closed	21,5	-	-
GSM 1900	512	30,4	Cheek Closed	21,2	0,40	0,49
			Tilt Closed	21,2	-	-
	661	30,4	Cheek Closed	21,2	0,45	0,54
			Tilt Closed	21,2	0,22	0,25
			Cheek Open	21,2	0,44	0,47
			Tilt Open	21,2	0,22	0,23
	810	30,4	Cheek Closed	21,2	0,55	0,66
			Tilt Closed	21,2	-	-

Table 1: SAR measurement result for Sony Ericsson PY7A3880039 telephone at highest possible output power. Measured towards the head.

¹ Measured output values were provided by the customer.

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Band	Channel	Measured output power ¹ [dBm]	Position / Mode	Liquid T [°C]	Measured SAR [W/kg] 1g mass
GSM 850	128	33,2	Back / CS	22,1	0,56
		33,2	Back / GPRS	22,1	1,00
		33,2	Back / PHF	22,1	0,43
	190	33,2	Back / CS	22,1	0,74
		33,3	Back / GPRS	22,1	1,24
		33,3	Back / CS	22,1	0,92
	251	27,4	Back / EGPRS	22,1	0,45
		33,3	Front / GPRS	22,1	0,74
		33,3	Back / GPRS	22,1	1,45
		33,3	Back / GPRS	22,1	1,45
GSM 1900	512	30,4	Back / CS	22,0	0,55
		30,3	Back / GPRS	22,0	1,03
		30,4	Back / CS	22,0	0,63
	661	30,3	Back / GPRS	22,0	1,19
		26,4	Back / EDGE	22,0	0,54
		30,4	Back / PHF	22,0	0,58
		30,3	Front / GPRS	22,0	1,07
		30,4	Back / CS	22,0	0,46
	810	30,4	Back / CS	22,0	0,46
		30,2	Back / GPRS	22,0	0,86

Table 2: SAR measurement result for Sony Ericsson PY7A3880039 telephone at highest possible output power. Measured towards the body.

¹ Measured output values were provided by the customer.

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9 References

- [1] R.Plicanic. "SAR Measurement Specification of Wireless Handsets". Sony Ericsson SAR Test Laboratory internal document GUG/N 03:141
- [2] FCC. "Evaluating Compliance with FCC Guidelines for Human Exposure to Radio Frequency Electromagnetic Fields: Additional Information for Evaluating Compliance of Mobile and Portable Devices with FCC Limits for Human Exposure to Radio Frequency Emissions." Supplement C (Edition 01-01) to OET Bulletin 65 (Edition 97- 01).
- [3] IEEE. "Recommended Practice for Determining the Peak Spatial-Average Specific Absorption Rate (SAR) in the Human Body Due to Wireless Communications Devices: Experimental Techniques." Std 1528-2003. June. 2003.
- [4] IEC 62209-1. "Procedure to measure the Specific Absorption Rate (SAR) for hand-held mobile wireless devices in the frequency range of 300 MHz to 3 GHz". February 2005.
- [5] FCC KDB648474. "SAR Evaluation Consideration for HANDSETS with Multiple Transmitters and Antenna", April 2008.
- [6] 3GPP TS 34.121 Universal Mobile Telecommunications System (UMTS); Terminal Conformance Specification, Radio Transmission and Reception (FDD).

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Appendix

9.1 Photographs of the device under test



Front



Sides



Back side with battery



Back

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9.2 Device position at SAM Twin Phantom



DUT position towards the head: Cheek (touch) Open position



DUT position towards the head: Cheek (touch) Closed position



DUT position towards the head: Tilt (touch + 15°) Open position

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DUT position towards the head: Tilt (touch + 15°) Closed position



DUT in body position with 15 mm distance

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9.3 Attachments

- System validation
- Measurement plots for head and body position
- Probe calibration
- Dipole calibration

Date/Time: 2009-05-29 08:33:07

Test Laboratory: Sony Ericsson Mobile Communications AB

System Performance Check 835MHz Head 090529**DUT: Dipole 835 MHz; Type: D835V2; Serial: SN:4d039**

Communication System: CW; Frequency: 835 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.865 \text{ mho/m}$; $\epsilon_r = 39.6$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ES3DV3 - SN3062; ConvF(5.77, 5.77, 5.77); Calibrated: 2009-01-12
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn433; Calibrated: 2009-01-09
- Phantom: SAM 2; Type: SAM QD 000 P40 CB; Serial: TP-1396
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 186

835 MHz Dipole/Area Scan (61x101x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (interpolated) = 1.09 mW/g

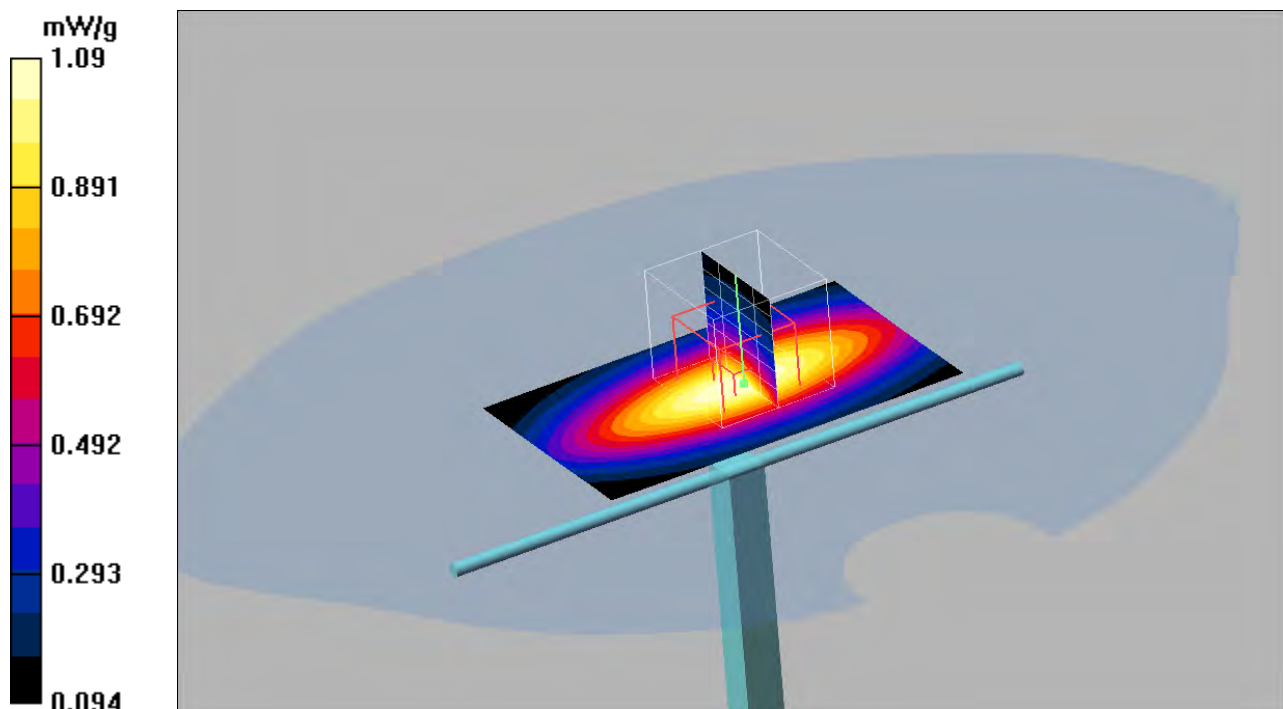
835 MHz Dipole/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 35.9 V/m; Power Drift = -0.053 dB

Peak SAR (extrapolated) = 1.49 W/kg

SAR(1 g) = 1.01 mW/g; SAR(10 g) = 0.657 mW/g

Maximum value of SAR (measured) = 1.09 mW/g



Date/Time: 2009-06-12 08:30:32

Test Laboratory: Sony Ericsson Mobile Communications AB

System Performance Check 850MHz Body 090612**DUT: Dipole 835 MHz; Type: D835V2; Serial: 4d039**

Communication System: CW; Frequency: 835 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.969 \text{ mho/m}$; $\epsilon_r = 52.7$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ES3DV3 - SN3062; ConvF(5.76, 5.76, 5.76); Calibrated: 2009-01-12
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn433; Calibrated: 2009-01-09
- Phantom: SAM 1; Type: Twin SAM; Serial: TP-1144
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 186

850 MHz Dipole/Area Scan (61x181x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (interpolated) = 1.13 mW/g

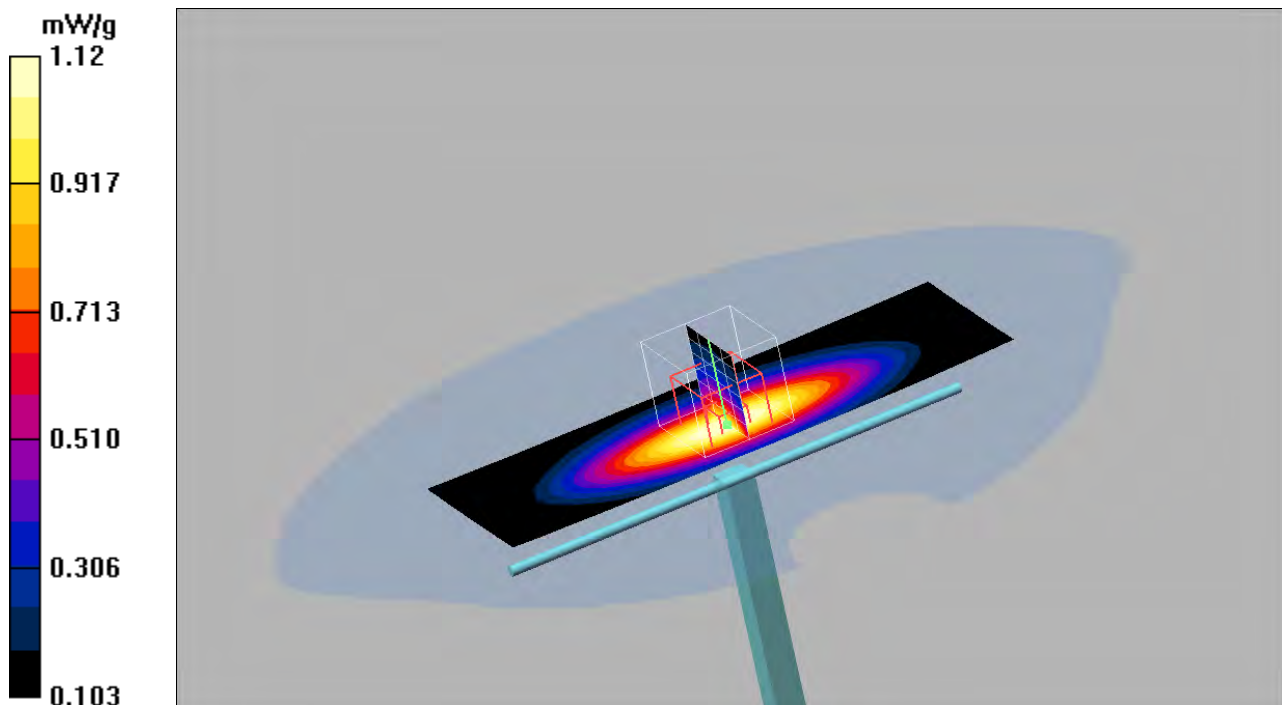
850 MHz Dipole/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 32.9 V/m; Power Drift = 0.001 dB

Peak SAR (extrapolated) = 1.51 W/kg

SAR(1 g) = 1.03 mW/g; SAR(10 g) = 0.679 mW/g

Maximum value of SAR (measured) = 1.12 mW/g



Date/Time: 2009-05-29 14:35:42

Test Laboratory: Sony Ericsson Mobile Communications AB

Right_Cheek_Closed_GSM850_090529**DUT: PY7A3880039 (T715); Type: GSM 850,900,1800,1900, UMTS 1; Serial: BX900MF6PJ**

Communication System: GSM 850; Frequency: 848.8 MHz; Duty Cycle: 1:8.3

Medium parameters used (interpolated): $f = 848.8$ MHz; $\sigma = 0.871$ mho/m; $\epsilon_r = 39.7$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ES3DV3 - SN3062; ConvF(5.77, 5.77, 5.77); Calibrated: 2009-01-12
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn433; Calibrated: 2009-01-09
- Phantom: SAM 2; Type: SAM QD 000 P40 CB; Serial: TP-1396
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 186

Right Cheek, high/Area Scan (61x111x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 1.02 mW/g

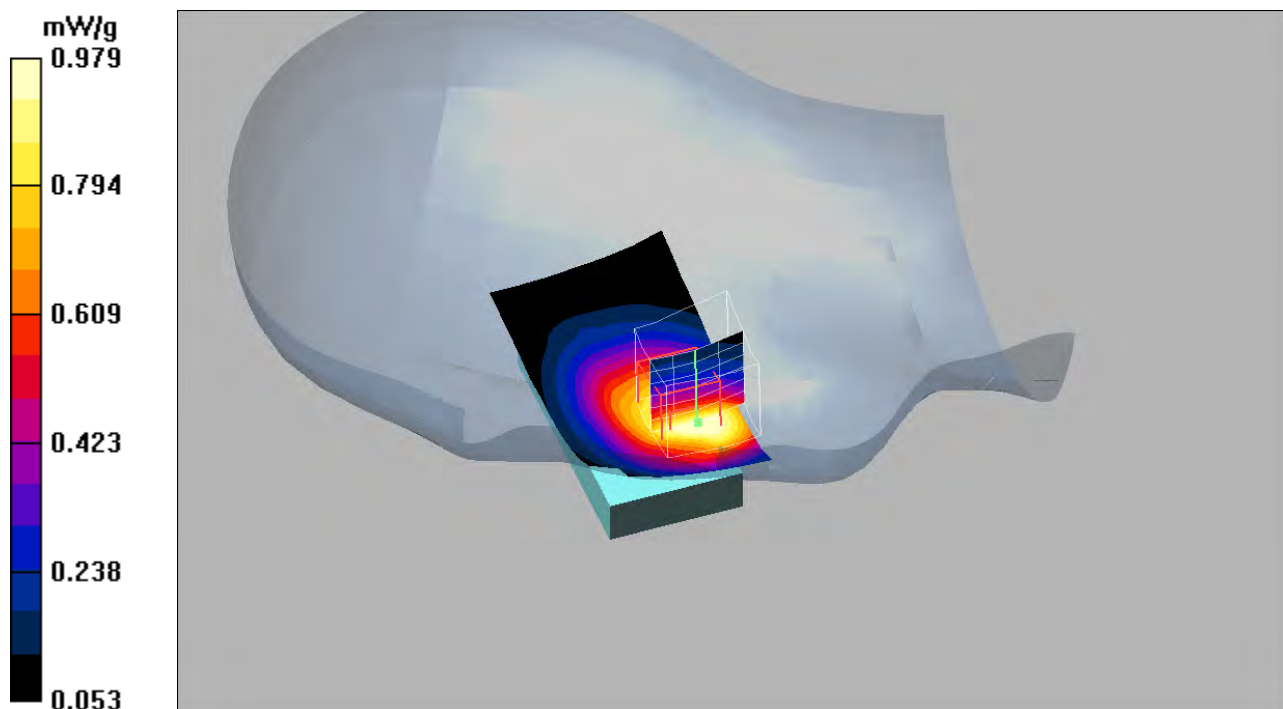
Right Cheek, high/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 30.6 V/m; Power Drift = -0.052 dB

Peak SAR (extrapolated) = 1.31 W/kg

SAR(1 g) = 0.873 mW/g; SAR(10 g) = 0.609 mW/g

Maximum value of SAR (measured) = 0.979 mW/g



Date/Time: 2009-05-29 12:57:39

Test Laboratory: Sony Ericsson Mobile Communications AB

Right_Tilt_Closed_GSM850_090529**DUT: PY7A3880039 (T715); Type: GSM 850,900,1800,1900, UMTS 1; Serial: BX900MF6PJ**

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:8.3

Medium parameters used (interpolated): $f = 836.6$ MHz; $\sigma = 0.865$ mho/m; $\epsilon_r = 39.7$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ES3DV3 - SN3062; ConvF(5.77, 5.77, 5.77); Calibrated: 2009-01-12
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn433; Calibrated: 2009-01-09
- Phantom: SAM 2; Type: SAM QD 000 P40 CB; Serial: TP-1396
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 186

Right Tilt, mid/Area Scan (61x111x1): Measurement grid: dx=10mm, dy=10mm

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

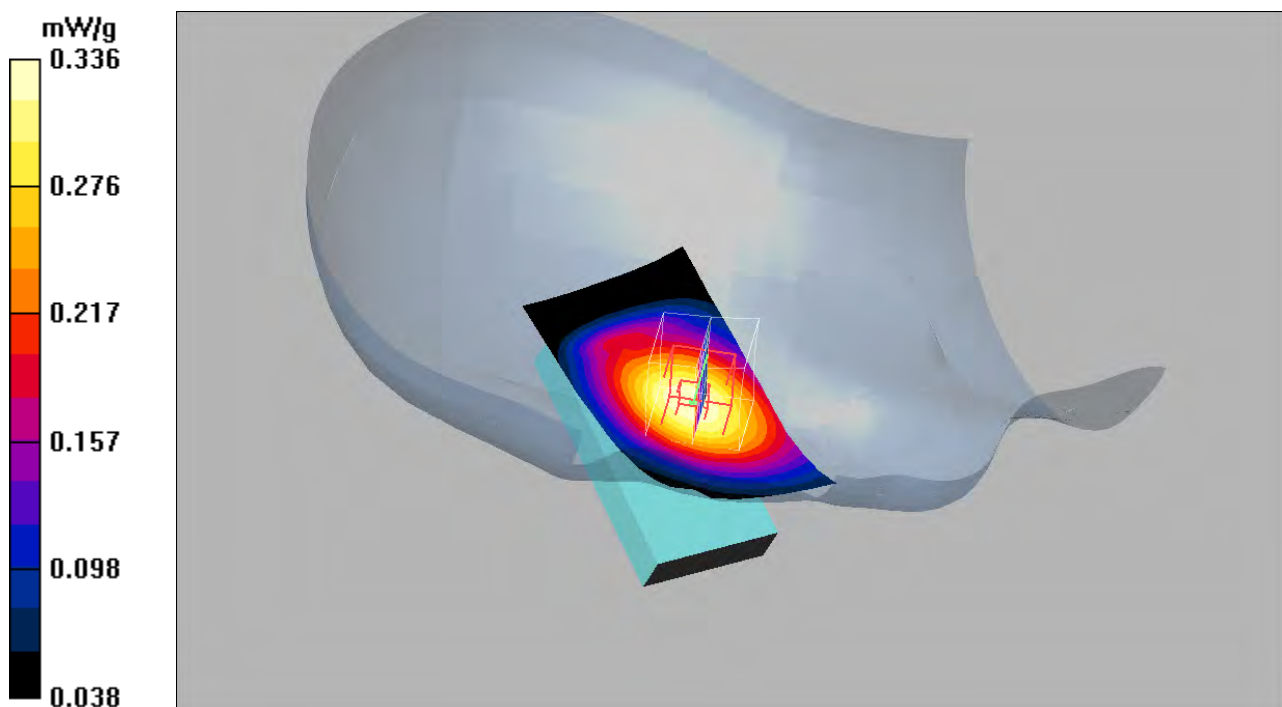
Right Tilt, mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.9 V/m; Power Drift = -0.058 dB

Peak SAR (extrapolated) = 0.392 W/kg

SAR(1 g) = 0.300 mW/g; SAR(10 g) = 0.219 mW/g

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



Date/Time: 2009-05-29 13:40:23

Test Laboratory: Sony Ericsson Mobile Communications AB

Right_Cheek_Open_GSM850_090529**DUT: PY7A3880039 (T715); Type: GSM 850,900,1800,1900, UMTS 1; Serial: BX900MF6PJ**

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:8.3

Medium parameters used (interpolated): $f = 836.6$ MHz; $\sigma = 0.865$ mho/m; $\epsilon_r = 39.7$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ES3DV3 - SN3062; ConvF(5.77, 5.77, 5.77); Calibrated: 2009-01-12
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn433; Calibrated: 2009-01-09
- Phantom: SAM 2; Type: SAM QD 000 P40 CB; Serial: TP-1396
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 186

Right Cheek, mid/Area Scan (61x141x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.451 mW/g

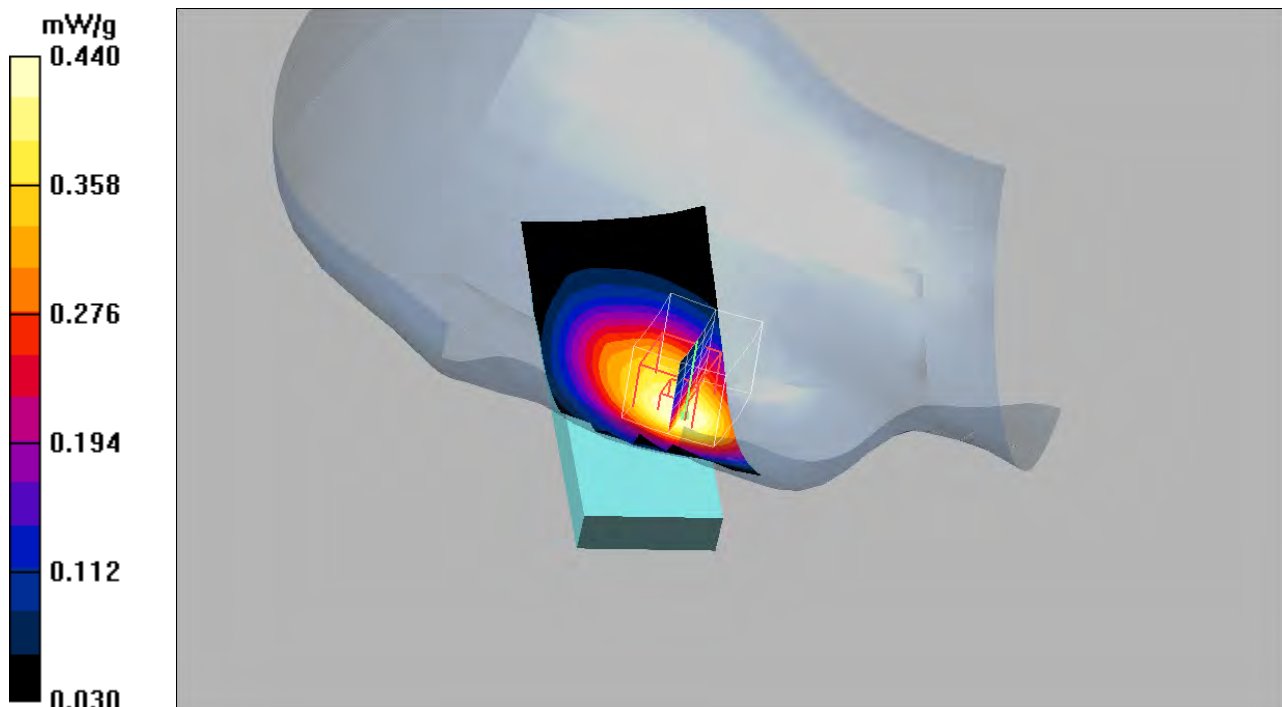
Right Cheek, mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 21.6 V/m; Power Drift = -0.006 dB

Peak SAR (extrapolated) = 0.544 W/kg

SAR(1 g) = 0.393 mW/g; SAR(10 g) = 0.279 mW/g

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



Date/Time: 2009-05-29 13:19:01

Test Laboratory: Sony Ericsson Mobile Communications AB

Right_Tilt_Open_GSM850_090529**DUT: PY7A3880039 (T715); Type: GSM 850,900,1800,1900, UMTS 1; Serial: BX900MF6PJ**

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:8.3

Medium parameters used (interpolated): $f = 836.6$ MHz; $\sigma = 0.865$ mho/m; $\epsilon_r = 39.7$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ES3DV3 - SN3062; ConvF(5.77, 5.77, 5.77); Calibrated: 2009-01-12
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn433; Calibrated: 2009-01-09
- Phantom: SAM 2; Type: SAM QD 000 P40 CB; Serial: TP-1396
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 186

Right Tilt, mid/Area Scan (61x141x1): Measurement grid: dx=10mm, dy=10mm

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

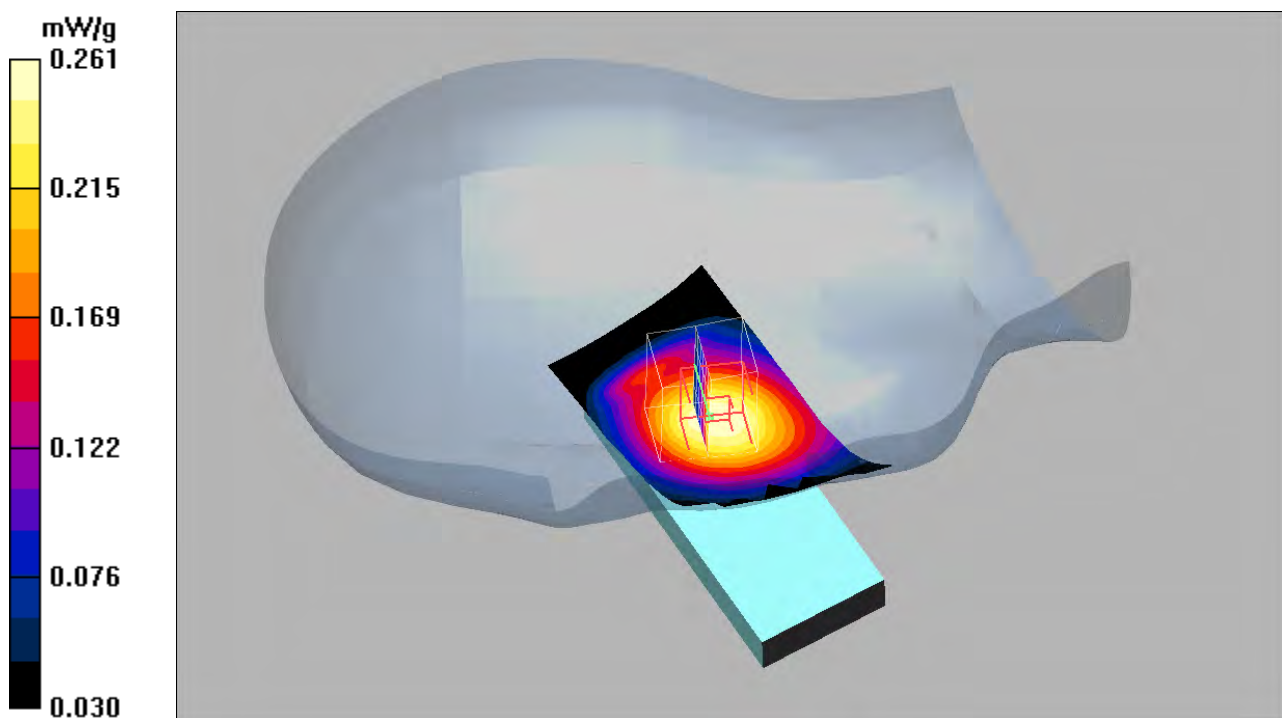
Right Tilt, mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.8 V/m; Power Drift = -0.001 dB

Peak SAR (extrapolated) = 0.304 W/kg

SAR(1 g) = 0.236 mW/g; SAR(10 g) = 0.174 mW/g

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



Date/Time: 2009-05-29 11:57:19

Test Laboratory: Sony Ericsson Mobile Communications AB

Left_Cheek_Closed_GSM850_090529**DUT: PY7A3880039 (T715); Type: GSM 850,900,1800,1900, UMTS 1; Serial: BX900MF6PJ**

Communication System: GSM 850; Frequency: 848.8 MHz; Duty Cycle: 1:8.3

Medium parameters used (interpolated): $f = 848.8$ MHz; $\sigma = 0.871$ mho/m; $\epsilon_r = 39.7$; $\rho = 1000$ kg/m³

Phantom section: Left Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ES3DV3 - SN3062; ConvF(5.77, 5.77, 5.77); Calibrated: 2009-01-12
- Sensor-Surface: 3mm (Mechanical Surface Detection) Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn433; Calibrated: 2009-01-09
- Phantom: SAM 2; Type: SAM QD 000 P40 CB; Serial: TP-1396
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 186

Left Cheek, high/Area Scan (61x111x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.995 mW/g

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

Reference Value = 30.1 V/m; Power Drift = -0.055 dB

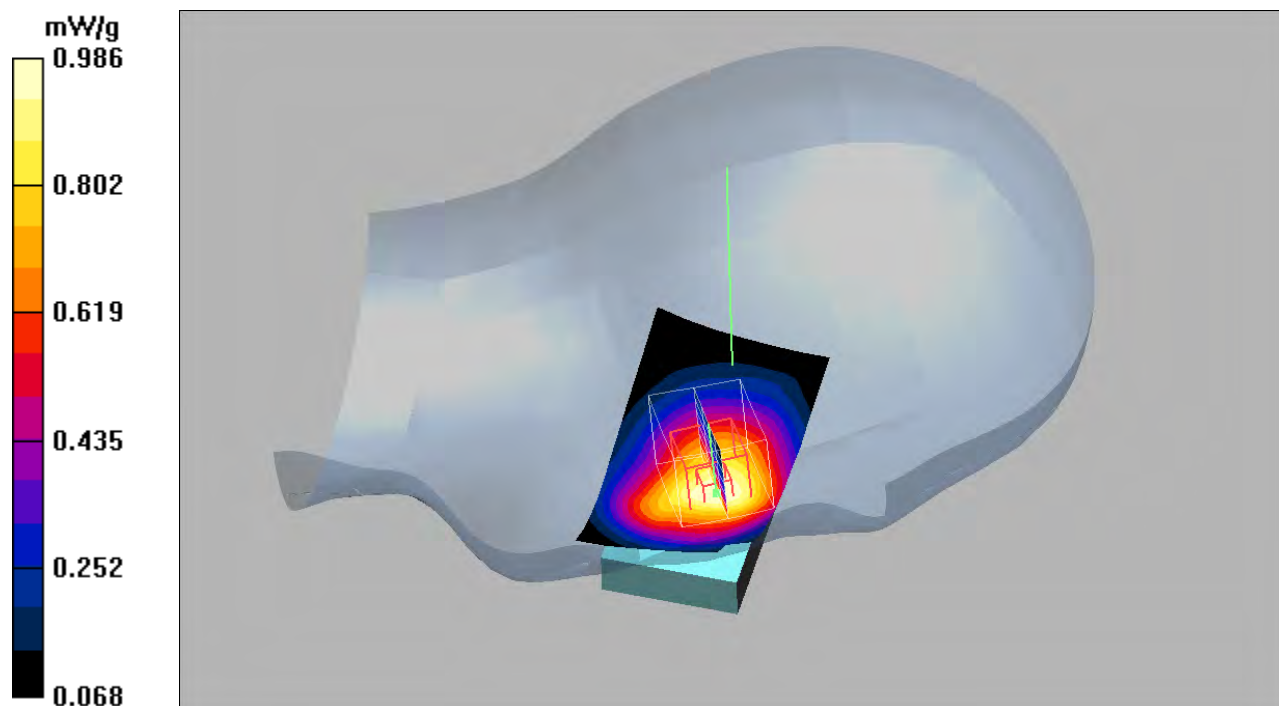
Peak SAR (extrapolated) = 1.17 W/kg

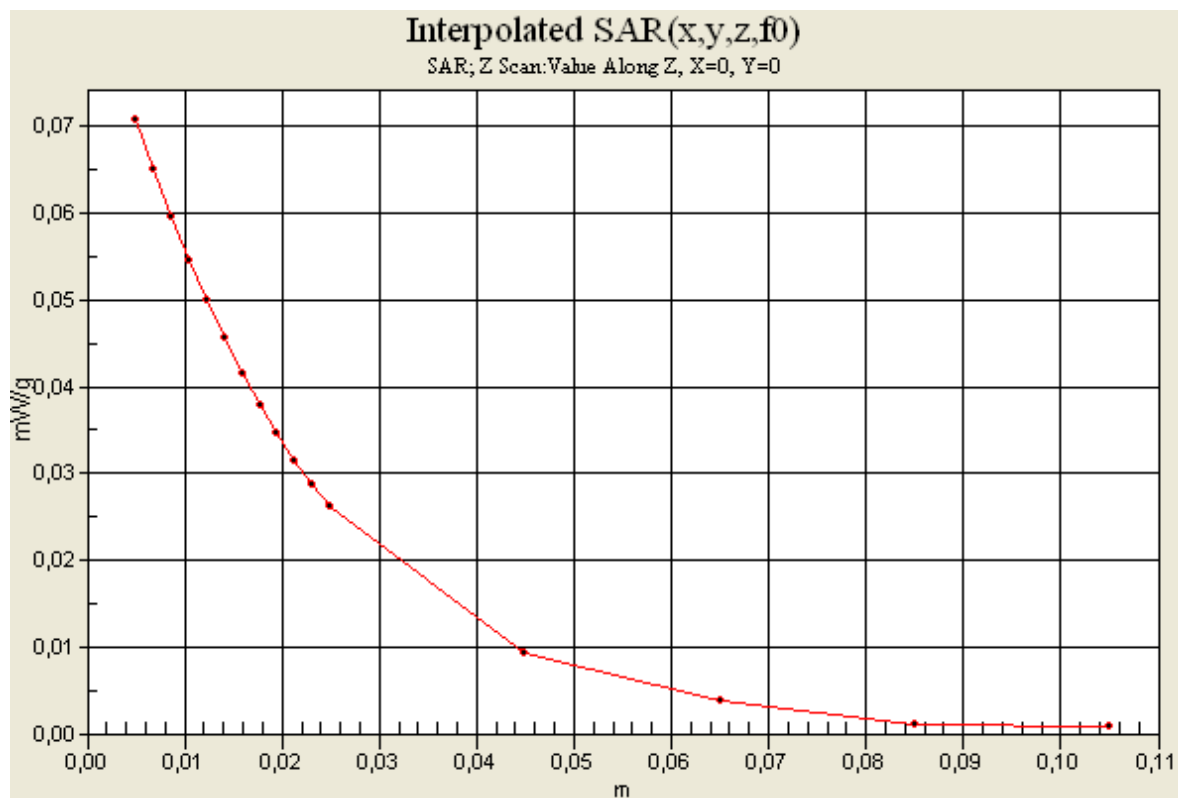
SAR(1 g) = 0.881 mW/g; SAR(10 g) = 0.630 mW/g

Maximum value of SAR (measured) = 0.986 mW/g

Left Cheek, high/Z Scan (1x1x16): Measurement grid: dx=20mm, dy=20mm, dz=20mm

Maximum value of SAR (interpolated) = 0.071 mW/g





Date/Time: 2009-05-29 09:58:49

Test Laboratory: Sony Ericsson Mobile Communications AB

Left_Tilt_Closed_GSM850_090529**DUT: PY7A3880039 (T715); Type: GSM 850,900,1800,1900, UMTS 1; Serial: BX900MF6PJ**

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:8.3

Medium parameters used (interpolated): $f = 836.6$ MHz; $\sigma = 0.865$ mho/m; $\epsilon_r = 39.7$; $\rho = 1000$ kg/m³

Phantom section: Left Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ES3DV3 - SN3062; ConvF(5.77, 5.77, 5.77); Calibrated: 2009-01-12
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn433; Calibrated: 2009-01-09
- Phantom: SAM 2; Type: SAM QD 000 P40 CB; Serial: TP-1396
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 186

Left Tilt, mid/Area Scan (61x111x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.330 mW/g

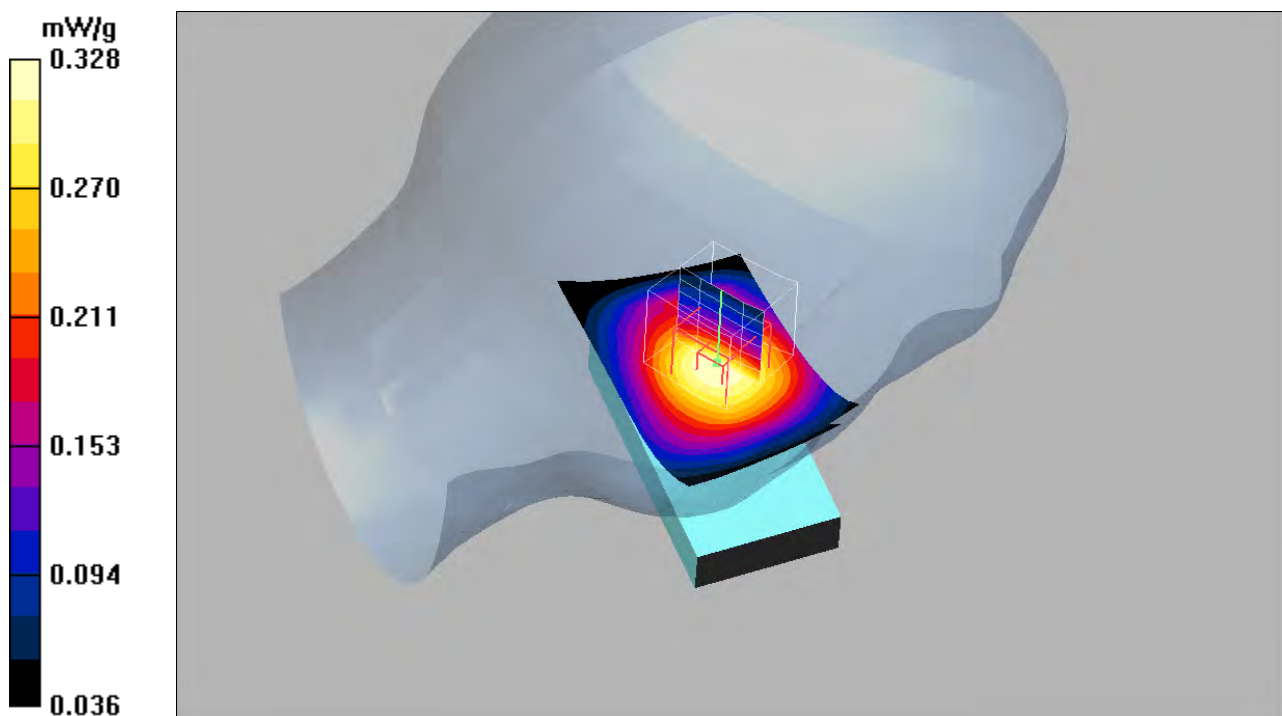
Left Tilt, mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.5 V/m; Power Drift = -0.061 dB

Peak SAR (extrapolated) = 0.383 W/kg

SAR(1 g) = 0.295 mW/g; SAR(10 g) = 0.217 mW/g

Maximum value of SAR (measured) = 0.328 mW/g



Date/Time: 2009-05-29 10:18:31

Test Laboratory: Sony Ericsson Mobile Communications AB

Left_Cheek_Open_GSM850_090529**DUT: PY7A3880039 (T715); Type: GSM 850,900,1800,1900, UMTS 1; Serial: BX900MF6PJ**

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:8.3

Medium parameters used (interpolated): $f = 836.6$ MHz; $\sigma = 0.865$ mho/m; $\epsilon_r = 39.7$; $\rho = 1000$ kg/m³

Phantom section: Left Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ES3DV3 - SN3062; ConvF(5.77, 5.77, 5.77); Calibrated: 2009-01-12
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn433; Calibrated: 2009-01-09
- Phantom: SAM 2; Type: SAM QD 000 P40 CB; Serial: TP-1396
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 186

Left Cheek, mid/Area Scan (61x141x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.454 mW/g

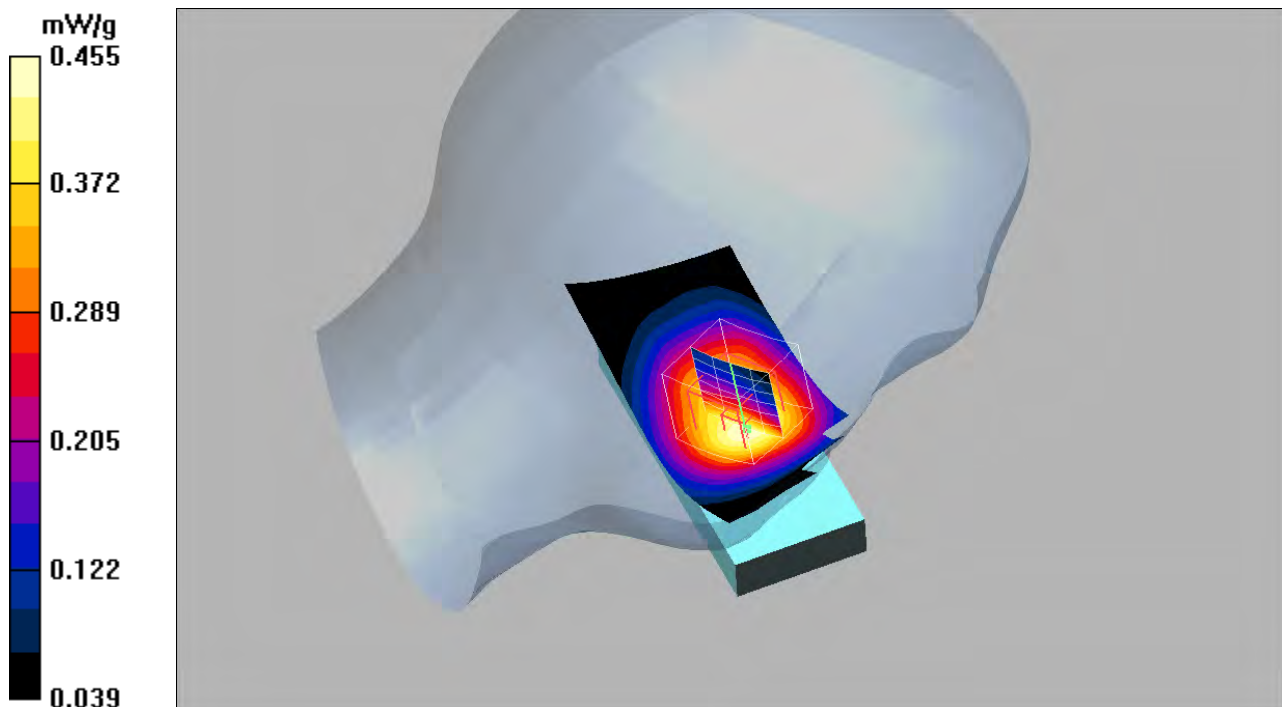
Left Cheek, mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 23.4 V/m; Power Drift = 0.007 dB

Peak SAR (extrapolated) = 0.529 W/kg

SAR(1 g) = 0.404 mW/g; SAR(10 g) = 0.295 mW/g

Maximum value of SAR (measured) = 0.455 mW/g



Date/Time: 2009-05-29 10:41:25

Test Laboratory: Sony Ericsson Mobile Communications AB

Left_Tilt_Open_GSM850_090529**DUT: PY7A3880039 (T715); Type: GSM 850,900,1800,1900, UMTS 1; Serial: BX900MF6PJ**

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:8.3

Medium parameters used (interpolated): $f = 836.6$ MHz; $\sigma = 0.865$ mho/m; $\epsilon_r = 39.7$; $\rho = 1000$ kg/m³

Phantom section: Left Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ES3DV3 - SN3062; ConvF(5.77, 5.77, 5.77); Calibrated: 2009-01-12
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn433; Calibrated: 2009-01-09
- Phantom: SAM 2; Type: SAM QD 000 P40 CB; Serial: TP-1396
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 186

Left Tilt, mid/Area Scan (61x141x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.265 mW/g

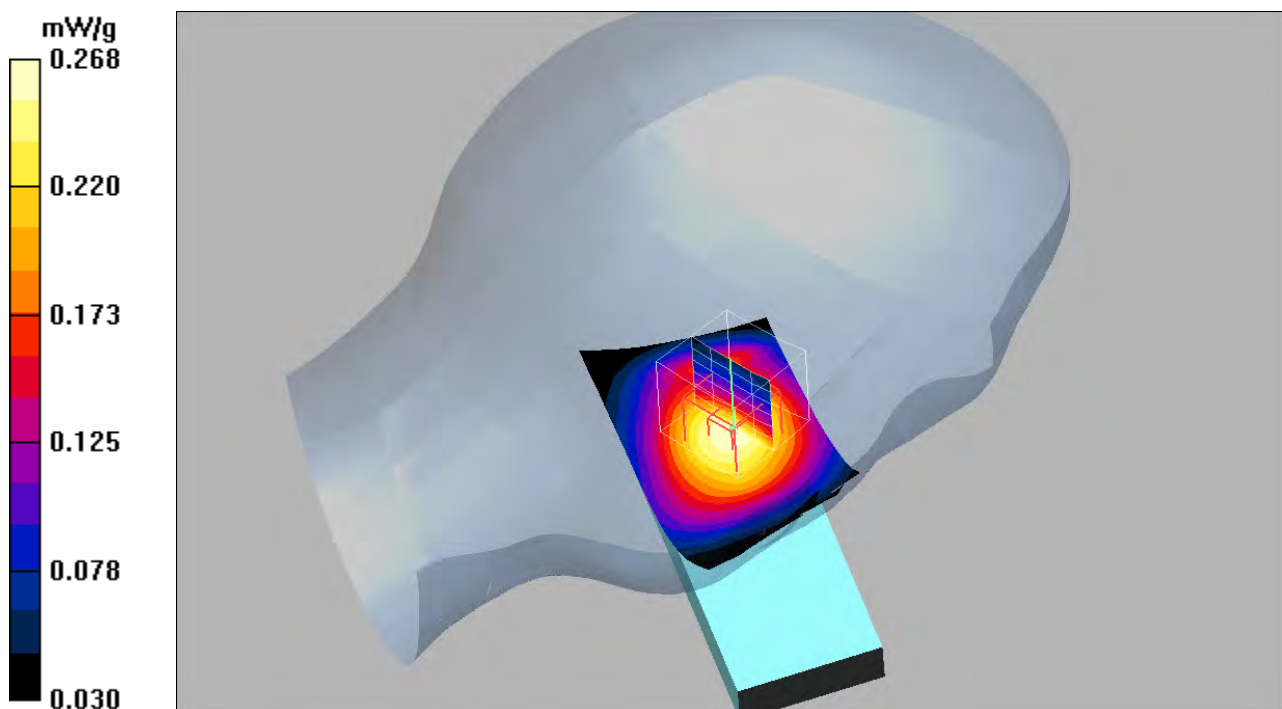
Left Tilt, mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.7 V/m; Power Drift = -0.080 dB

Peak SAR (extrapolated) = 0.309 W/kg

SAR(1 g) = 0.240 mW/g; SAR(10 g) = 0.177 mW/g

Maximum value of SAR (measured) = 0.268 mW/g



Date/Time: 2009-06-12 11:39:21

Test Laboratory: Sony Ericsson Mobile Communications AB

Body_GPRS_2TS_GSM850_090612**DUT: PY7A3880039 (T715); Type: GSM 850,900,1800,1900, UMTS 1; Serial: BX900MF6PJ**

Communication System: GSM850 GPRS2TX; Frequency: 848.8 MHz; Duty Cycle: 1:4.15

Medium parameters used (interpolated): $f = 848.8$ MHz; $\sigma = 0.993$ mho/m; $\epsilon_r = 52.5$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ES3DV3 - SN3062; ConvF(5.76, 5.76, 5.76); Calibrated: 2009-01-12
- Sensor-Surface: 3mm (Mechanical Surface Detection (Locations From Previous Scan Used))
Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn433; Calibrated: 2009-01-09
- Phantom: SAM 1; Type: Twin SAM; Serial: TP-1144
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 186

GPRS 2TS, High/Area Scan (61x121x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 1.70 mW/g

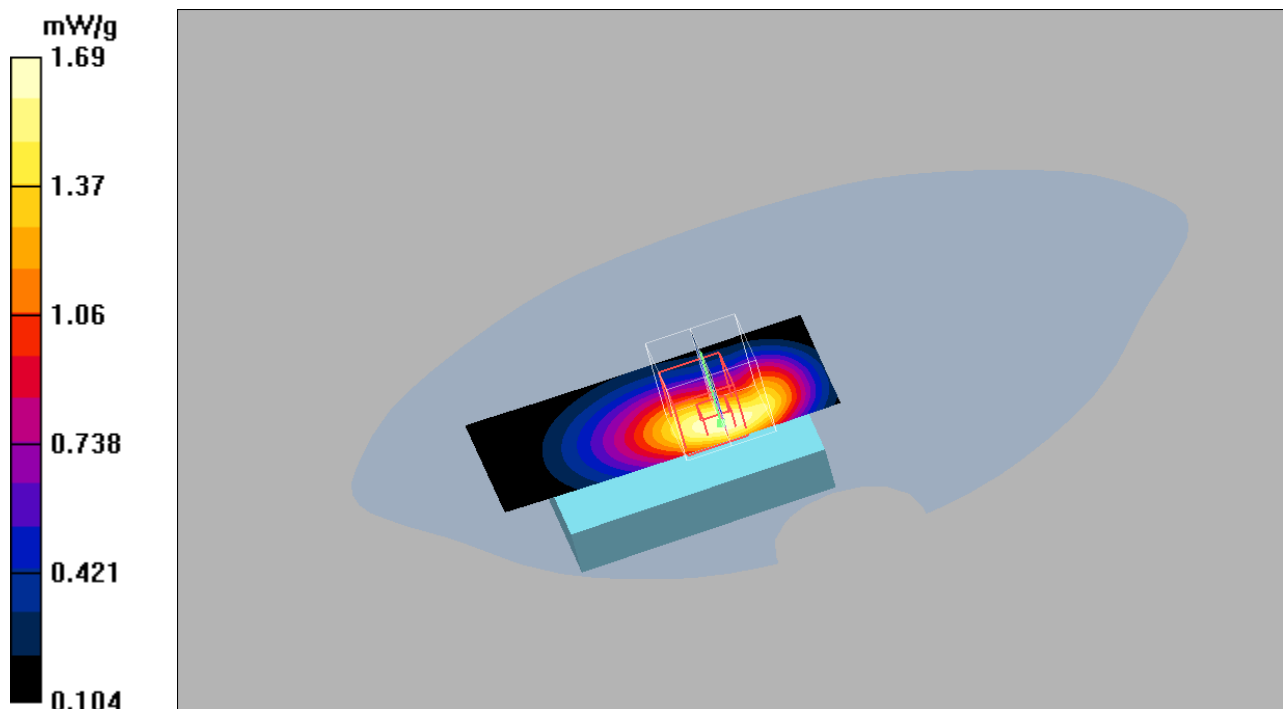
GPRS 2TS, High/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 32.8 V/m; Power Drift = -0.100 dB

Peak SAR (extrapolated) = 2.12 W/kg

SAR(1 g) = 1.45 mW/g; SAR(10 g) = 0.972 mW/g

Maximum value of SAR (measured) = 1.69 mW/g



Date/Time: 2009-06-12 12:04:50

Test Laboratory: Sony Ericsson Mobile Communications AB

Body_GPRS_2TS_GSM850_090612**DUT: PY7A3880039 (T715); Type: GSM 850,900,1800,1900, UMTS 1; Serial: BX900MF6PJ**

Communication System: GSM850 GPRS2TX; Frequency: 848.8 MHz; Duty Cycle: 1:4.15

Medium parameters used (interpolated): $f = 848.8$ MHz; $\sigma = 0.993$ mho/m; $\epsilon_r = 52.5$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ES3DV3 - SN3062; ConvF(5.76, 5.76, 5.76); Calibrated: 2009-01-12
- Sensor-Surface: 3mm (Mechanical Surface Detection (Locations From Previous Scan Used))
Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn433; Calibrated: 2009-01-09
- Phantom: SAM 1; Type: Twin SAM; Serial: TP-1144
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 186

Front, High/Area Scan (61x121x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.835 mW/g

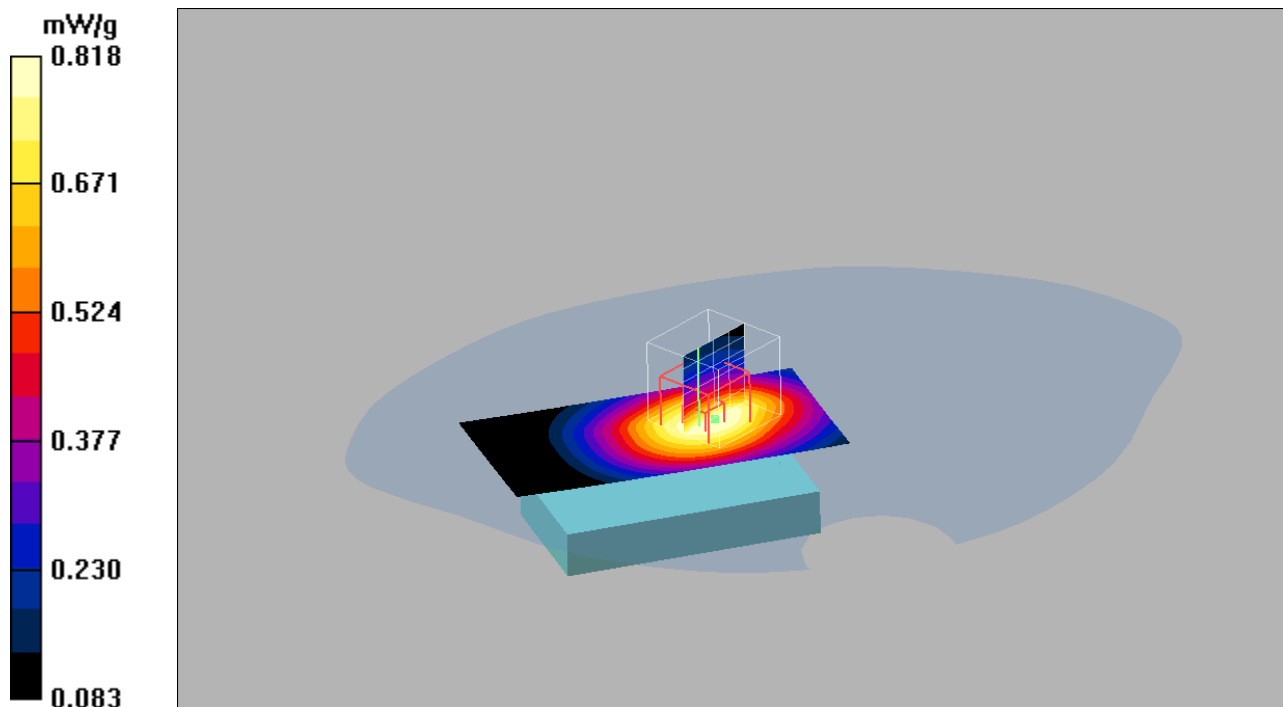
Front, High/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 24.1 V/m; Power Drift = -0.069 dB

Peak SAR (extrapolated) = 0.955 W/kg

SAR(1 g) = 0.736 mW/g; SAR(10 g) = 0.530 mW/g

Maximum value of SAR (measured) = 0.818 mW/g



Date/Time: 2009-06-12 13:37:26

Test Laboratory: Sony Ericsson Mobile Communications AB

Body_Speech_BT_GSM850_090612**DUT: PY7A3880039 (T715); Type: GSM 850,900,1800,1900, UMTS 1; Serial: BX900MF6PJ**

Communication System: GSM 850; Frequency: 848.8 MHz; Duty Cycle: 1:8.3

Medium parameters used (interpolated): $f = 848.8$ MHz; $\sigma = 0.993$ mho/m; $\epsilon_r = 52.5$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ES3DV3 - SN3062; ConvF(5.76, 5.76, 5.76); Calibrated: 2009-01-12
- Sensor-Surface: 3mm (Mechanical Surface Detection (Locations From Previous Scan Used))
Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn433; Calibrated: 2009-01-09
- Phantom: SAM 1; Type: Twin SAM; Serial: TP-1144
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 186

Speech, BT, High/Area Scan (61x121x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 1.08 mW/g

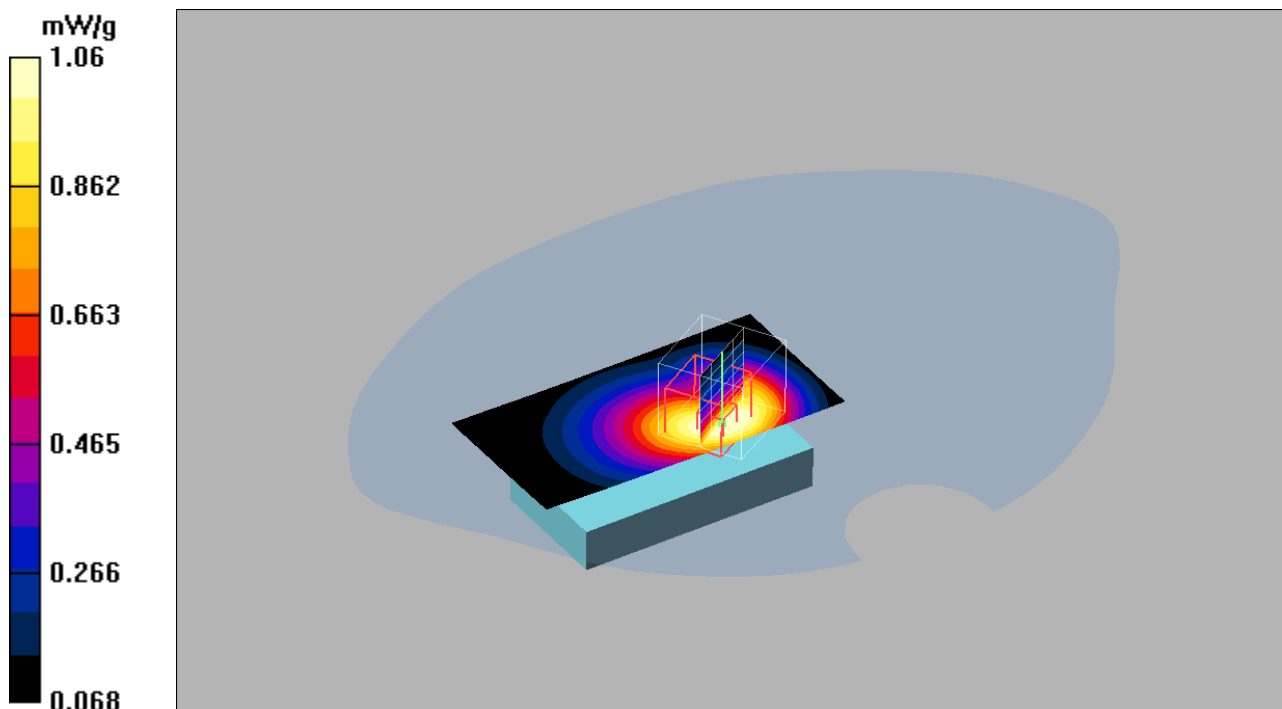
Speech, BT, High/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 23.3 V/m; Power Drift = -0.027 dB

Peak SAR (extrapolated) = 1.38 W/kg

SAR(1 g) = 0.916 mW/g; SAR(10 g) = 0.611 mW/g

Maximum value of SAR (measured) = 1.06 mW/g



Date/Time: 2009-06-12 12:54:40

Test Laboratory: Sony Ericsson Mobile Communications AB

Body_Speech_PHF_GSM850_090612**DUT: PY7A3880039 (T715); Type: GSM 850,900,1800,1900, UMTS 1; Serial: BX900MF6PJ**

Communication System: GSM 850; Frequency: 824.2 MHz; Duty Cycle: 1:8.3

Medium parameters used: $f = 825 \text{ MHz}$; $\sigma = 0.959 \text{ mho/m}$; $\epsilon_r = 52.6$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ES3DV3 - SN3062; ConvF(5.76, 5.76, 5.76); Calibrated: 2009-01-12
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn433; Calibrated: 2009-01-09
- Phantom: SAM 1; Type: Twin SAM; Serial: TP-1144
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 186

Speech, PHF, Low/Area Scan (61x121x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (interpolated) = 0.503 mW/g

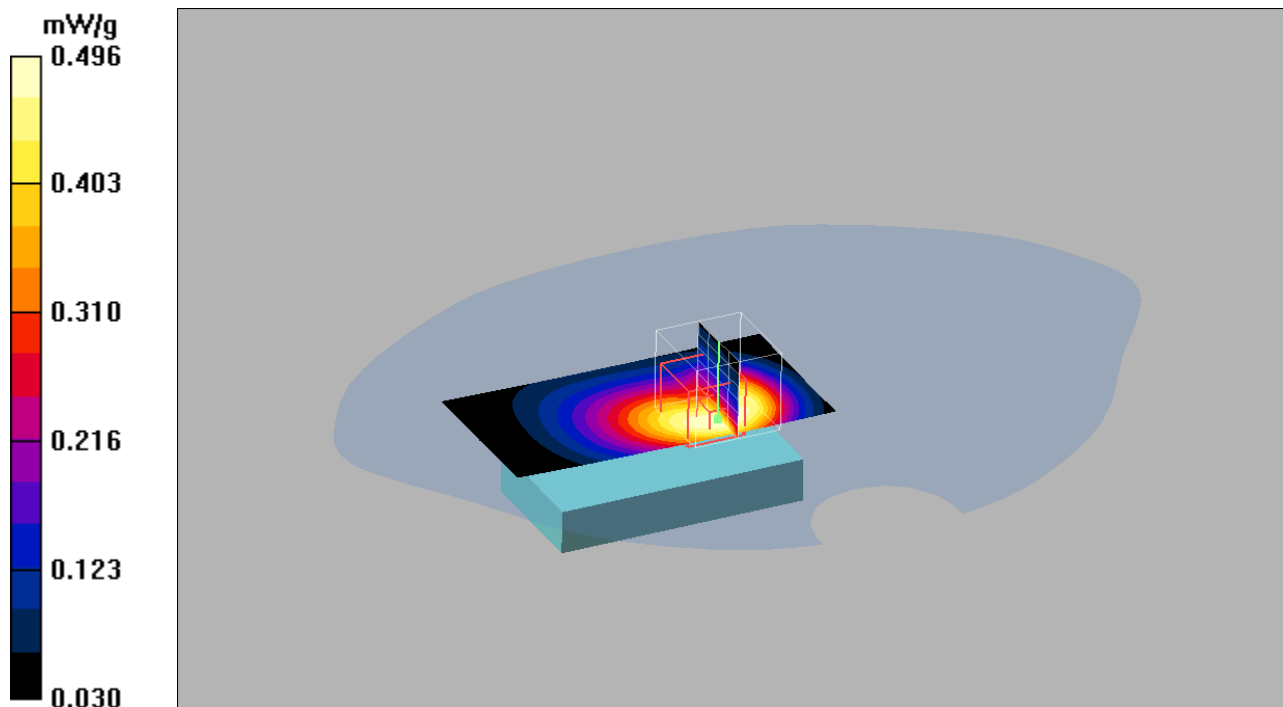
Speech, PHF, Low/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 17.5 V/m; Power Drift = -0.047 dB

Peak SAR (extrapolated) = 0.654 W/kg

SAR(1 g) = 0.425 mW/g; SAR(10 g) = 0.284 mW/g

Maximum value of SAR (measured) = 0.496 mW/g



Date/Time: 2009-06-10 13:04:04

Test Laboratory: Sony Ericsson Mobile Communications AB

System Performance Check 1900MHz Head 090610**DUT: Dipole 1900 MHz; Type: D1900V2; Serial: 5d002**

Communication System: CW; Frequency: 1900 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1900 \text{ MHz}$; $\sigma = 1.46 \text{ mho/m}$; $\epsilon_r = 38.3$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ES3DV3 - SN3062; ConvF(4.69, 4.69, 4.69); Calibrated: 2009-01-12
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn433; Calibrated: 2009-01-09
- Phantom: SAM 1; Type: Twin SAM; Serial: TP-1144
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 186

1900 MHz Dipole/Area Scan (61x101x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (interpolated) = 4.80 mW/g

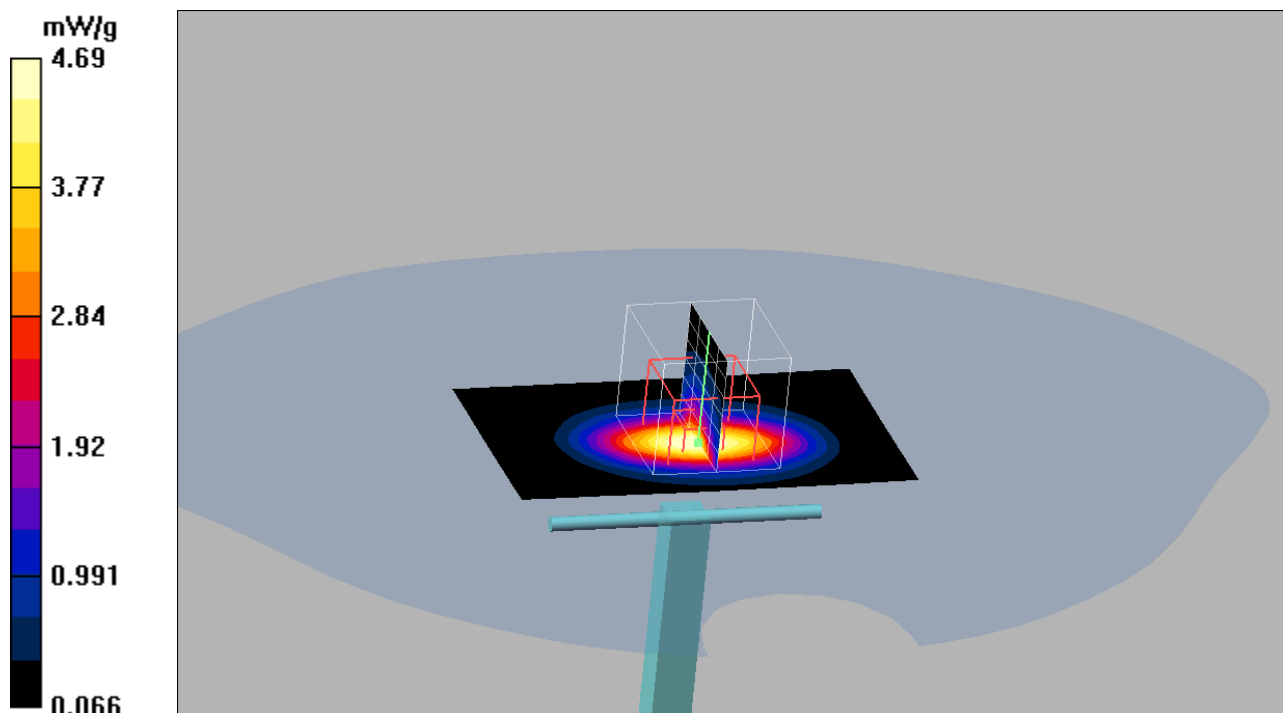
1900 MHz Dipole/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 55.4 V/m; Power Drift = -0.019 dB

Peak SAR (extrapolated) = 7.81 W/kg

SAR(1 g) = 4.16 mW/g; SAR(10 g) = 2.13 mW/g

Maximum value of SAR (measured) = 4.69 mW/g



Date/Time: 2009-06-11 09:34:45

Test Laboratory: Sony Ericsson Mobile Communications

System Performance Check 1900MHz Body 090611**DUT: Dipole 1900 MHz; Type: D1900V2; Serial: SN:5d002**

Communication System: CW; Frequency: 1900 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.59$ mho/m; $\epsilon_r = 54.4$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ES3DV3 - SN3062; ConvF(4.42, 4.42, 4.42); Calibrated: 2009-01-12
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn433; Calibrated: 2009-01-09
- Phantom: SAM 1; Type: SAM; Serial: 1351
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 186

P=100mW, 10mm distance/Area Scan (61x81x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 4.32 mW/g

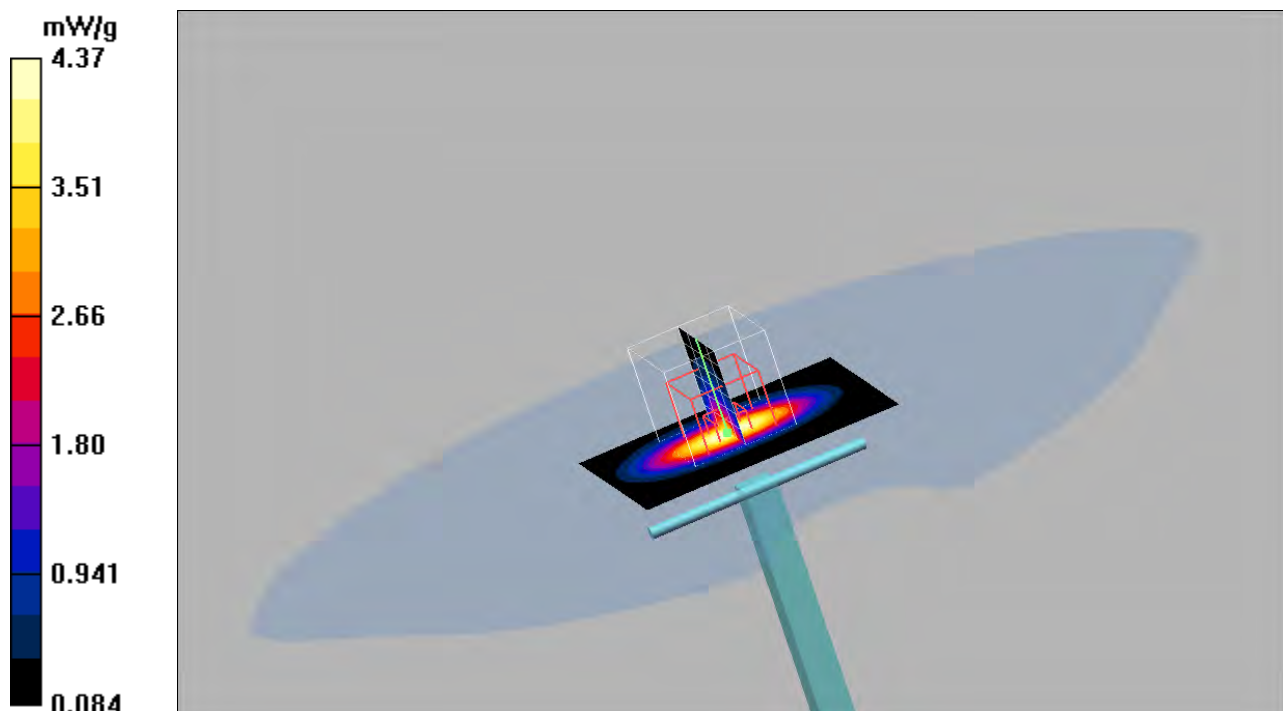
P=100mW, 10mm distance/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 53.1 V/m; Power Drift = 0.033 dB

Peak SAR (extrapolated) = 6.55 W/kg

SAR(1 g) = 3.87 mW/g; SAR(10 g) = 2.05 mW/g

Maximum value of SAR (measured) = 4.37 mW/g



Date/Time: 2009-06-10 15:38:28

Test Laboratory: Sony Ericsson Mobile Communications AB

Right_Cheek_Closed_GSM1900_090610**DUT: PY7A3880039 (T715); Type: GSM 850,900,1800,1900, UMTS 1; Serial: BX900MF6PJ**

Communication System: GSM 1900; Frequency: 1909.8 MHz; Duty Cycle: 1:8.3

Medium parameters used: $f = 1910$ MHz; $\sigma = 1.48$ mho/m; $\epsilon_r = 38.3$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ES3DV3 - SN3062; ConvF(4.69, 4.69, 4.69); Calibrated: 2009-01-12
- Sensor-Surface: 3mm (Mechanical Surface Detection (Locations From Previous Scan Used))
Sensor-Surface: 3mm (Mechanical Surface Detection) Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn433; Calibrated: 2009-01-09
- Phantom: SAM 1; Type: Twin SAM; Serial: TP-1144
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 186

Right Cheek, high/Area Scan (61x121x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.790 mW/g

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

Reference Value = 22.4 V/m; Power Drift = -0.011 dB

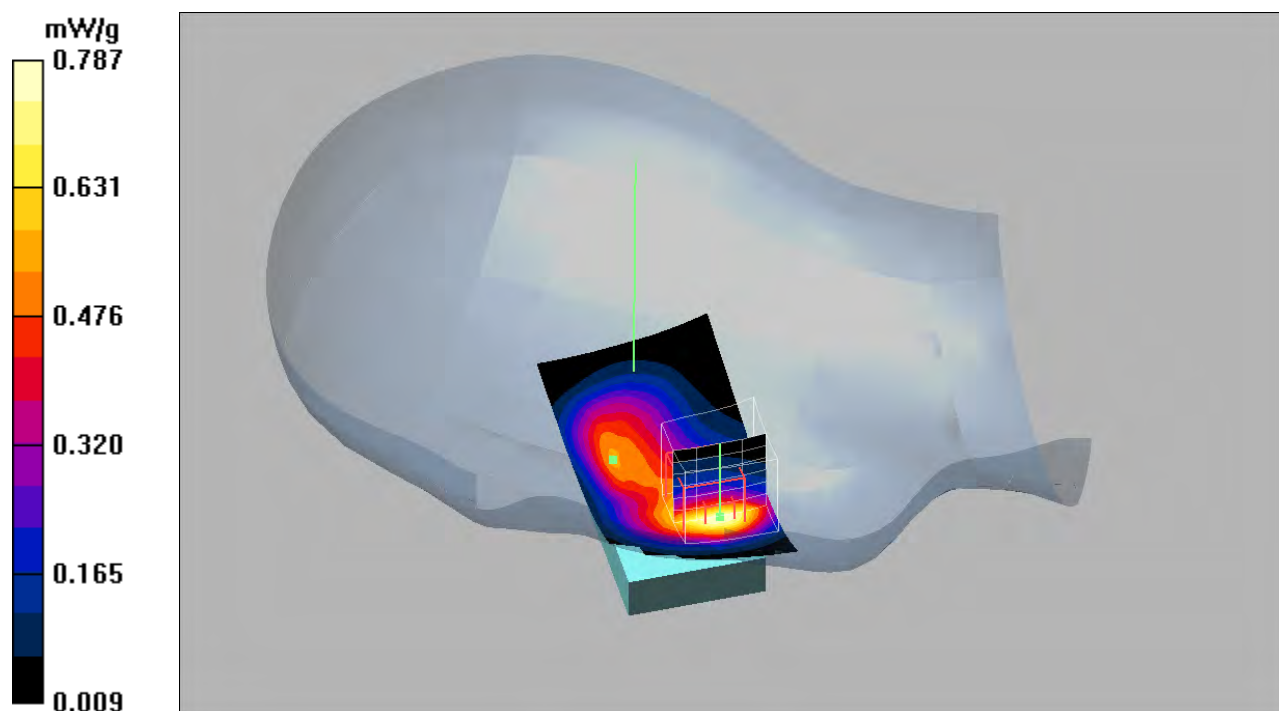
Peak SAR (extrapolated) = 1.11 W/kg

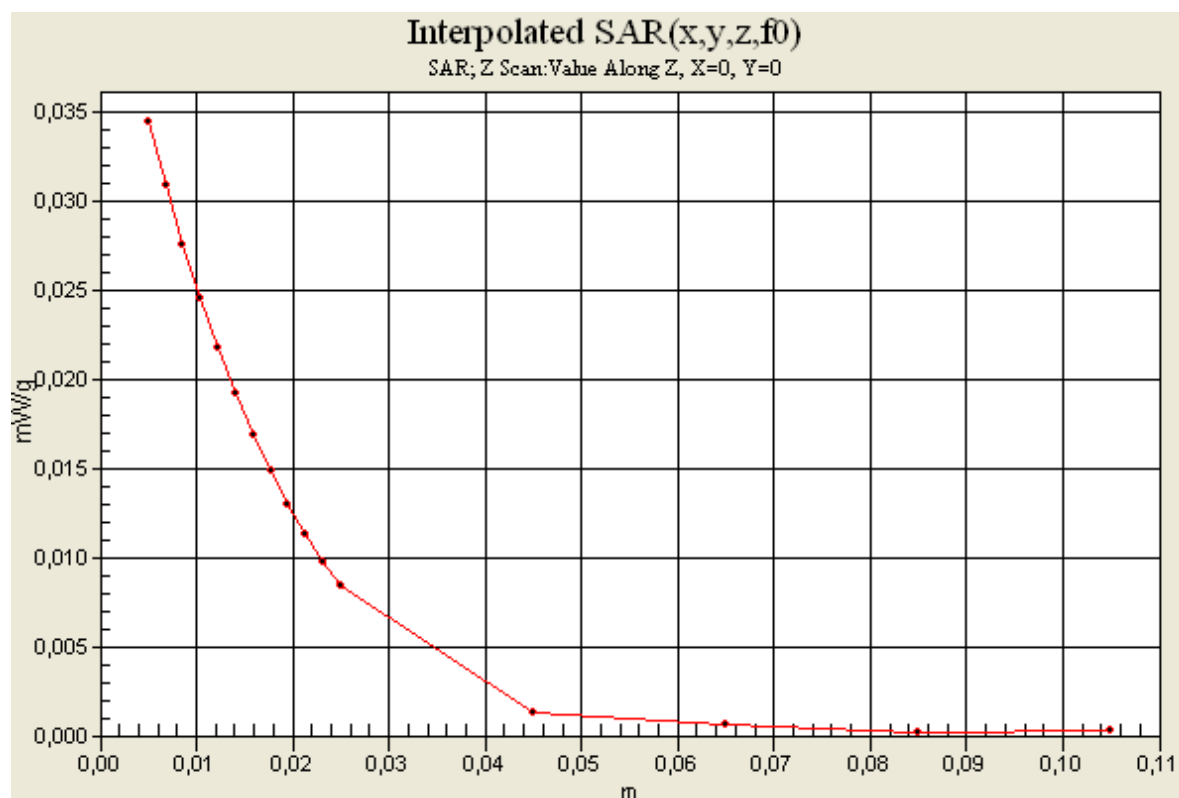
SAR(1 g) = 0.657 mW/g; SAR(10 g) = 0.390 mW/g

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

Right Cheek, high/Z Scan (1x1x16): Measurement grid: dx=20mm, dy=20mm, dz=20mm

Maximum value of SAR (interpolated) = 0.034 mW/g





Date/Time: 2009-06-10 15:11:26

Test Laboratory: Sony Ericsson Mobile Communications AB

Right_Tilt_Closed_GSM1900_090610**DUT: PY7A3880039 (T715); Type: GSM 850,900,1800,1900, UMTS 1; Serial: BX900MF6PJ**

Communication System: GSM 1900; Frequency: 1880 MHz; Duty Cycle: 1:8.3

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.44$ mho/m; $\epsilon_r = 38.4$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ES3DV3 - SN3062; ConvF(4.69, 4.69, 4.69); Calibrated: 2009-01-12
- Sensor-Surface: 3mm (Mechanical Surface Detection (Locations From Previous Scan Used))
Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn433; Calibrated: 2009-01-09
- Phantom: SAM 1; Type: Twin SAM; Serial: TP-1144
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 186

Right Tilt, mid/Area Scan (61x121x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.293 mW/g

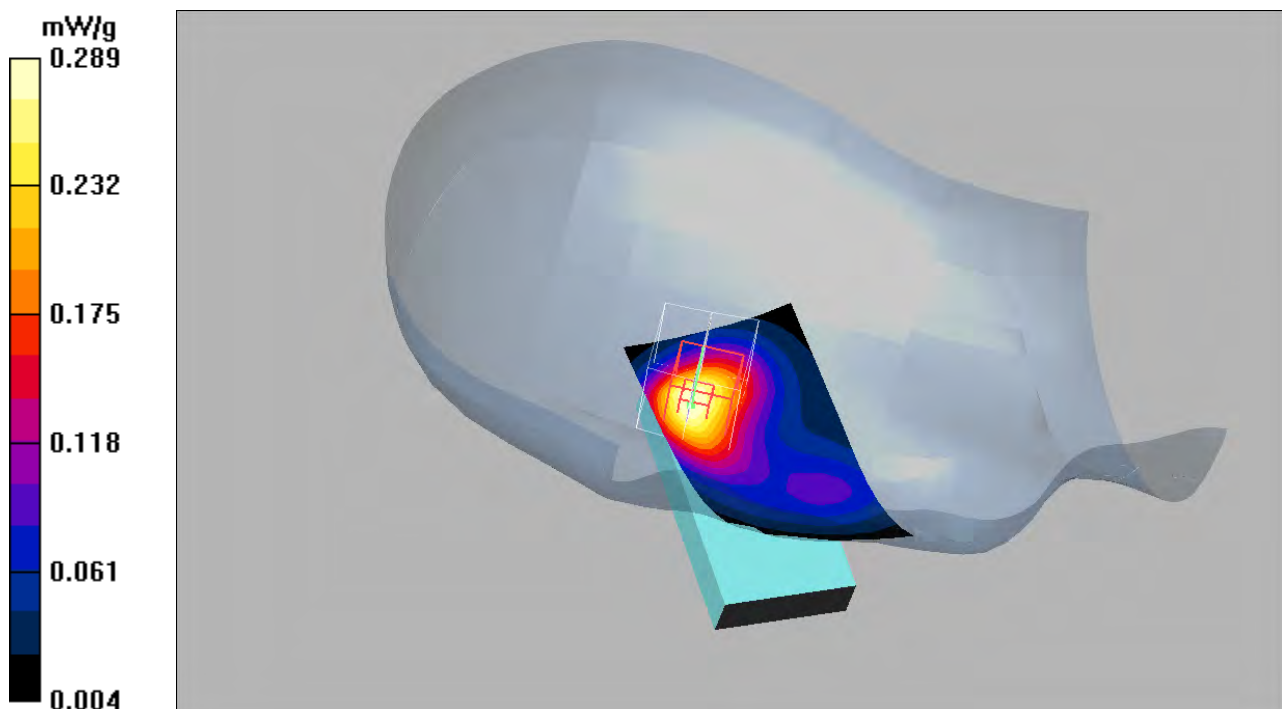
Right Tilt, mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.64 V/m; Power Drift = -0.006 dB

Peak SAR (extrapolated) = 0.370 W/kg

SAR(1 g) = 0.245 mW/g; SAR(10 g) = 0.147 mW/g

Maximum value of SAR (measured) = 0.289 mW/g



Date/Time: 2009-06-10 13:45:14

Test Laboratory: Sony Ericsson Mobile Communications AB

Right_Cheek_Open_GSM1900_090610**DUT: PY7A3880039 (T715); Type: GSM 850,900,1800,1900, UMTS 1; Serial: BX900MF6PJ**

Communication System: GSM 1900; Frequency: 1880 MHz; Duty Cycle: 1:8.3

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.44$ mho/m; $\epsilon_r = 38.4$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ES3DV3 - SN3062; ConvF(4.69, 4.69, 4.69); Calibrated: 2009-01-12
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn433; Calibrated: 2009-01-09
- Phantom: SAM 1; Type: Twin SAM; Serial: TP-1144
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 186

Right Cheek, mid/Area Scan (61x141x1): Measurement grid: dx=10mm, dy=10mm

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

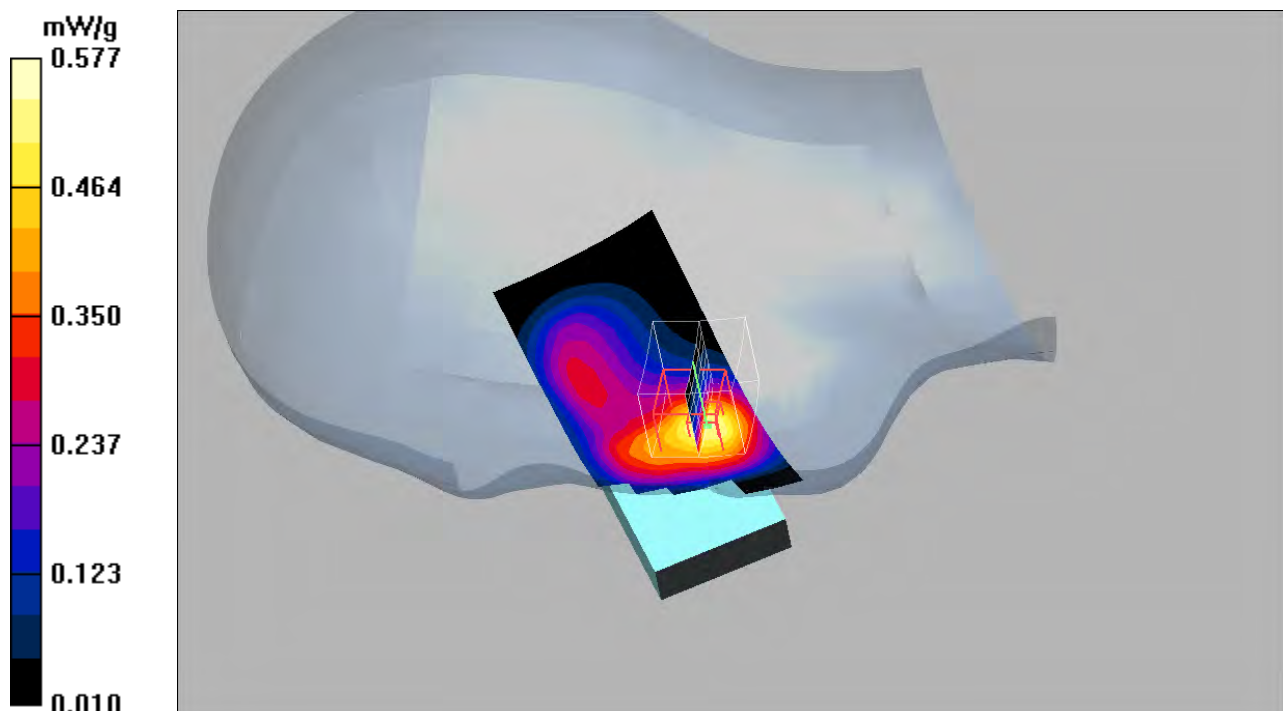
Right Cheek, mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.8 V/m; Power Drift = -0.053 dB

Peak SAR (extrapolated) = 0.757 W/kg

SAR(1 g) = 0.467 mW/g; SAR(10 g) = 0.277 mW/g

Maximum value of SAR (measured) = 0.577 mW/g



Date/Time: 2009-06-10 14:33:27

Test Laboratory: Sony Ericsson Mobile Communications AB

Right_Tilt_Open_GSM1900_090610**DUT: PY7A3880039 (T715); Type: GSM 850,900,1800,1900, UMTS 1; Serial: BX900MF6PJ**

Communication System: GSM 1900; Frequency: 1880 MHz; Duty Cycle: 1:8.3

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.44$ mho/m; $\epsilon_r = 38.4$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ES3DV3 - SN3062; ConvF(4.69, 4.69, 4.69); Calibrated: 2009-01-12
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn433; Calibrated: 2009-01-09
- Phantom: SAM 1; Type: Twin SAM; Serial: TP-1144
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 186

Right Tilt, mid/Area Scan (61x141x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.284 mW/g

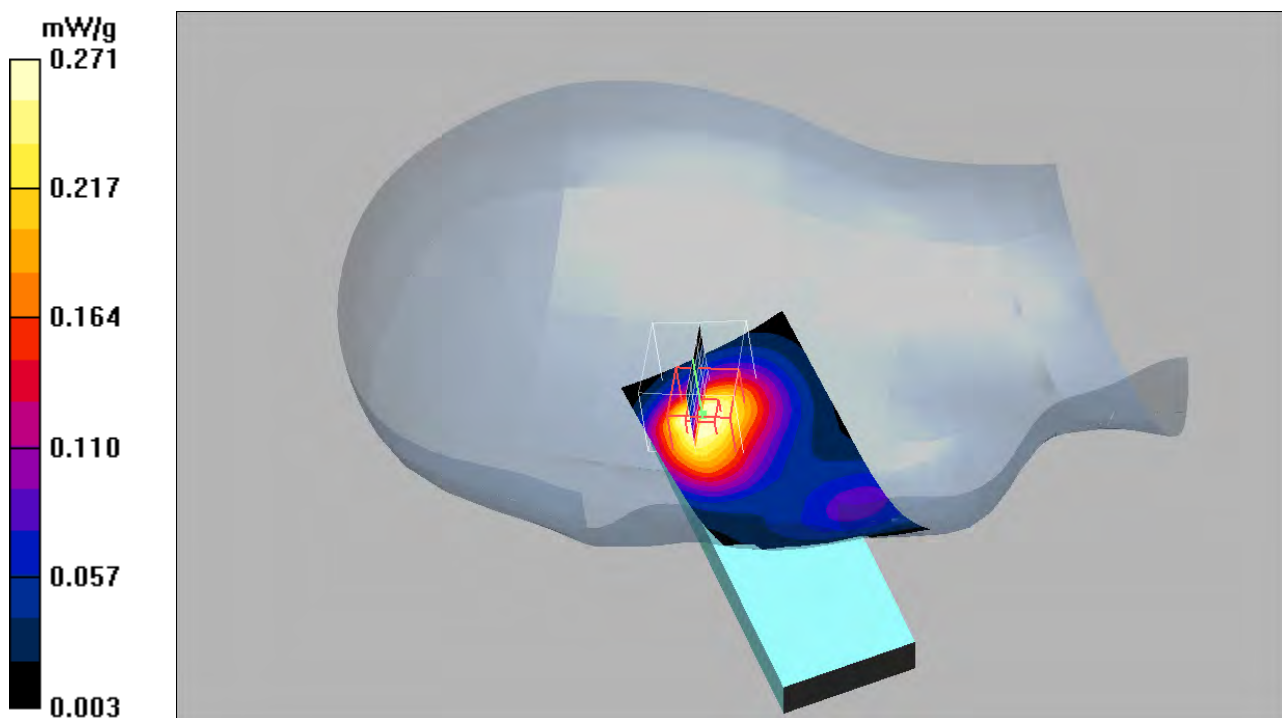
Right Tilt, mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.21 V/m; Power Drift = 0.013 dB

Peak SAR (extrapolated) = 0.356 W/kg

SAR(1 g) = 0.233 mW/g; SAR(10 g) = 0.142 mW/g

Maximum value of SAR (measured) = 0.271 mW/g



Date/Time: 2009-06-10 17:58:15

Test Laboratory: Sony Ericsson Mobile Communications AB

Left_Cheek_Closed_GSM1900_090610**DUT: PY7A3880039 (T715); Type: GSM 850,900,1800,1900, UMTS 1; Serial: BX900MF6PJ**

Communication System: GSM 1900; Frequency: 1909.8 MHz; Duty Cycle: 1:8.3

Medium parameters used: $f = 1910$ MHz; $\sigma = 1.48$ mho/m; $\epsilon_r = 38.3$; $\rho = 1000$ kg/m³

Phantom section: Left Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ES3DV3 - SN3062; ConvF(4.69, 4.69, 4.69); Calibrated: 2009-01-12
- Sensor-Surface: 3mm (Mechanical Surface Detection (Locations From Previous Scan Used))
Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn433; Calibrated: 2009-01-09
- Phantom: SAM 1; Type: Twin SAM; Serial: TP-1144
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 186

Right Cheek, high/Area Scan (61x121x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.655 mW/g

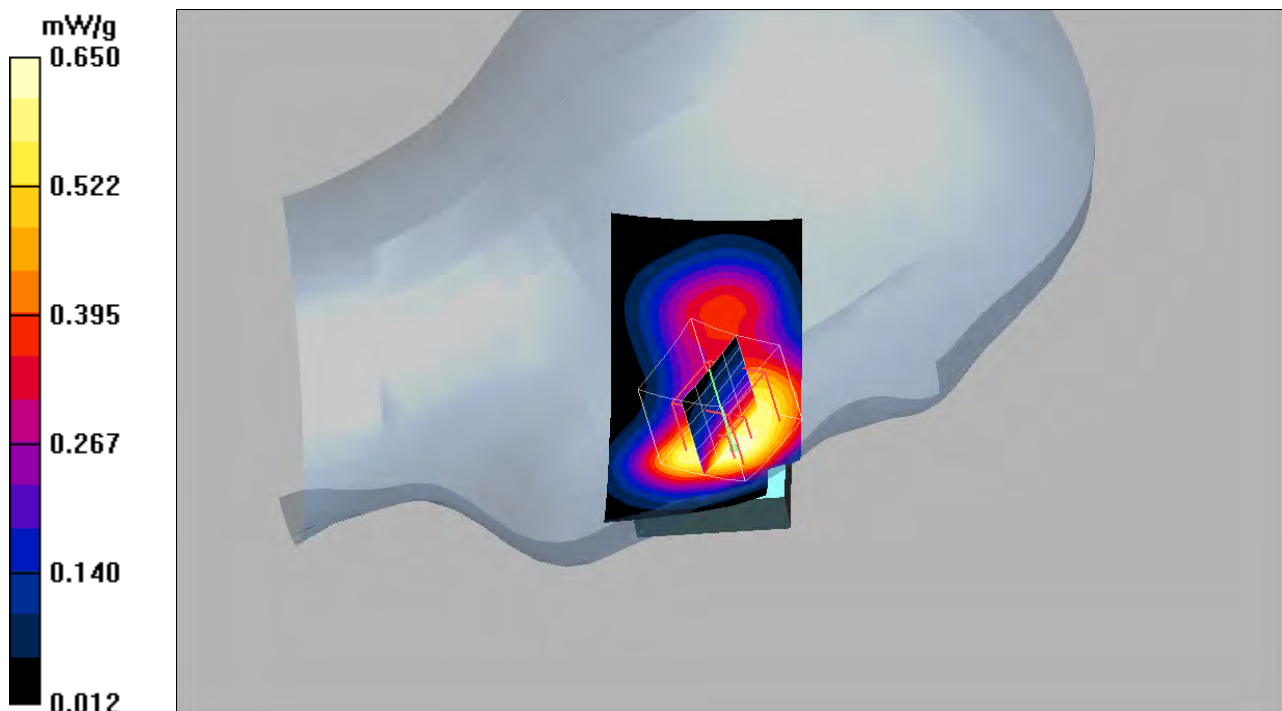
Right Cheek, high/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 19.5 V/m; Power Drift = 0.003 dB

Peak SAR (extrapolated) = 0.834 W/kg

SAR(1 g) = 0.546 mW/g; SAR(10 g) = 0.344 mW/g

Maximum value of SAR (measured) = 0.650 mW/g



Date/Time: 2009-06-10 17:31:20

Test Laboratory: Sony Ericsson Mobile Communications AB

Left_Tilt_Closed_GSM1900_090610**DUT: PY7A3880039 (T715); Type: GSM 850,900,1800,1900, UMTS 1; Serial: BX900MF6PJ**

Communication System: GSM 1900; Frequency: 1880 MHz; Duty Cycle: 1:8.3

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.44$ mho/m; $\epsilon_r = 38.4$; $\rho = 1000$ kg/m³

Phantom section: Left Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ES3DV3 - SN3062; ConvF(4.69, 4.69, 4.69); Calibrated: 2009-01-12
- Sensor-Surface: 3mm (Mechanical Surface Detection (Locations From Previous Scan Used))
Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn433; Calibrated: 2009-01-09
- Phantom: SAM 1; Type: Twin SAM; Serial: TP-1144
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 186

Right Tilt, mid/Area Scan (61x121x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.260 mW/g

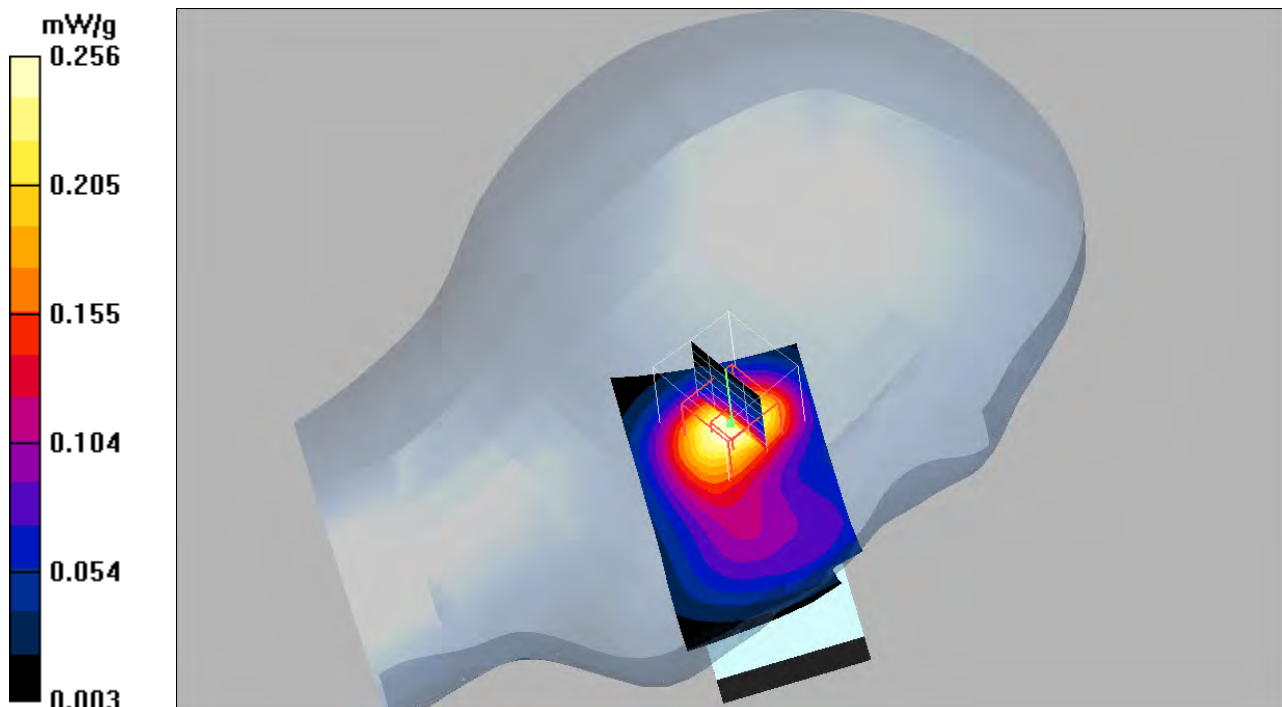
Right Tilt, mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.17 V/m; Power Drift = -0.022 dB

Peak SAR (extrapolated) = 0.339 W/kg

SAR(1 g) = 0.218 mW/g; SAR(10 g) = 0.130 mW/g

Maximum value of SAR (measured) = 0.256 mW/g



Date/Time: 2009-06-10 16:13:38

Test Laboratory: Sony Ericsson Mobile Communications AB

Left_Cheek_Open_GSM1900_090610**DUT: PY7A3880039 (T715); Type: GSM 850,900,1800,1900, UMTS 1; Serial: BX900MF6PJ**

Communication System: GSM 1900; Frequency: 1880 MHz; Duty Cycle: 1:8.3

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.44$ mho/m; $\epsilon_r = 38.4$; $\rho = 1000$ kg/m³

Phantom section: Left Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ES3DV3 - SN3062; ConvF(4.69, 4.69, 4.69); Calibrated: 2009-01-12
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn433; Calibrated: 2009-01-09
- Phantom: SAM 1; Type: Twin SAM; Serial: TP-1144
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 186

Right Cheek, mid/Area Scan (61x141x1): Measurement grid: dx=10mm, dy=10mm

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

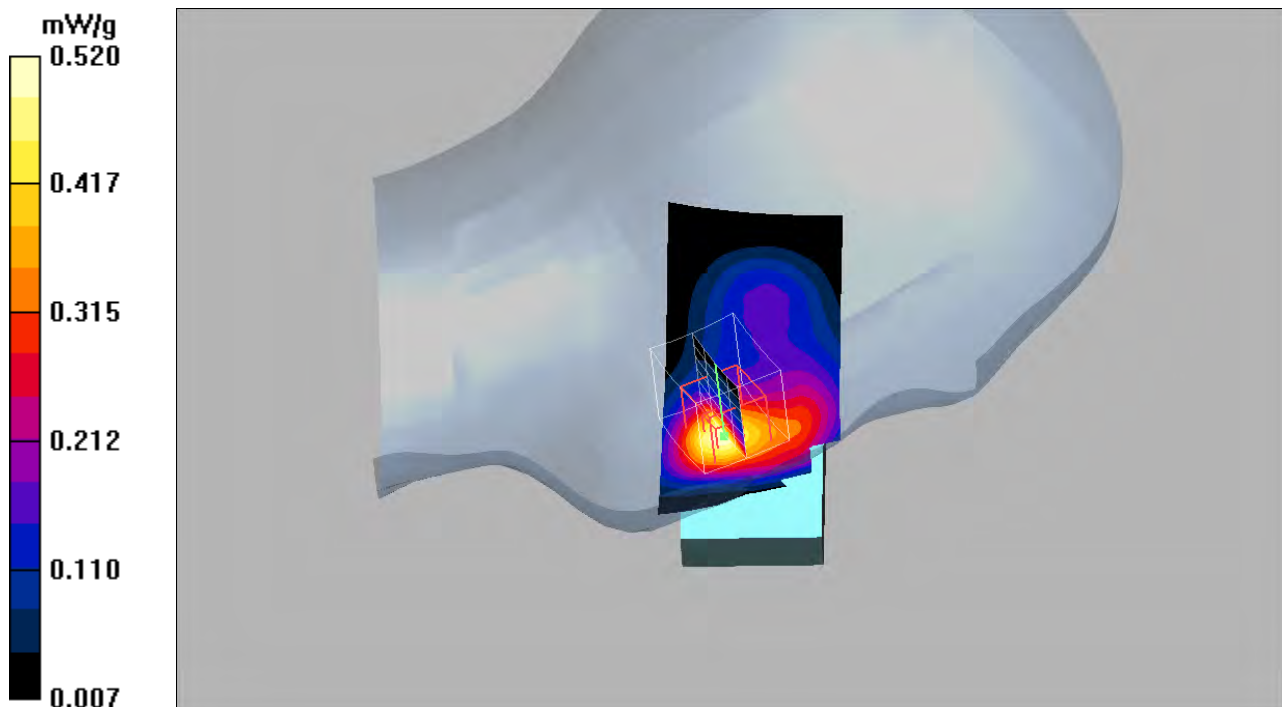
Right Cheek, mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.1 V/m; Power Drift = 0.022 dB

Peak SAR (extrapolated) = 0.686 W/kg

SAR(1 g) = 0.435 mW/g; SAR(10 g) = 0.255 mW/g

Maximum value of SAR (measured) = 0.520 mW/g



Date/Time: 2009-06-10 16:50:51

Test Laboratory: Sony Ericsson Mobile Communications AB

Left_Tilt_Open_GSM1900_090610**DUT: PY7A3880039 (T715); Type: GSM 850,900,1800,1900, UMTS 1; Serial: BX900MF6PJ**

Communication System: GSM 1900; Frequency: 1880 MHz; Duty Cycle: 1:8.3

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.44$ mho/m; $\epsilon_r = 38.4$; $\rho = 1000$ kg/m³

Phantom section: Left Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ES3DV3 - SN3062; ConvF(4.69, 4.69, 4.69); Calibrated: 2009-01-12
- Sensor-Surface: 3mm (Mechanical Surface Detection (Locations From Previous Scan Used))
Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn433; Calibrated: 2009-01-09
- Phantom: SAM 1; Type: Twin SAM; Serial: TP-1144
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 186

Right Tilt, mid/Area Scan (61x141x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.272 mW/g

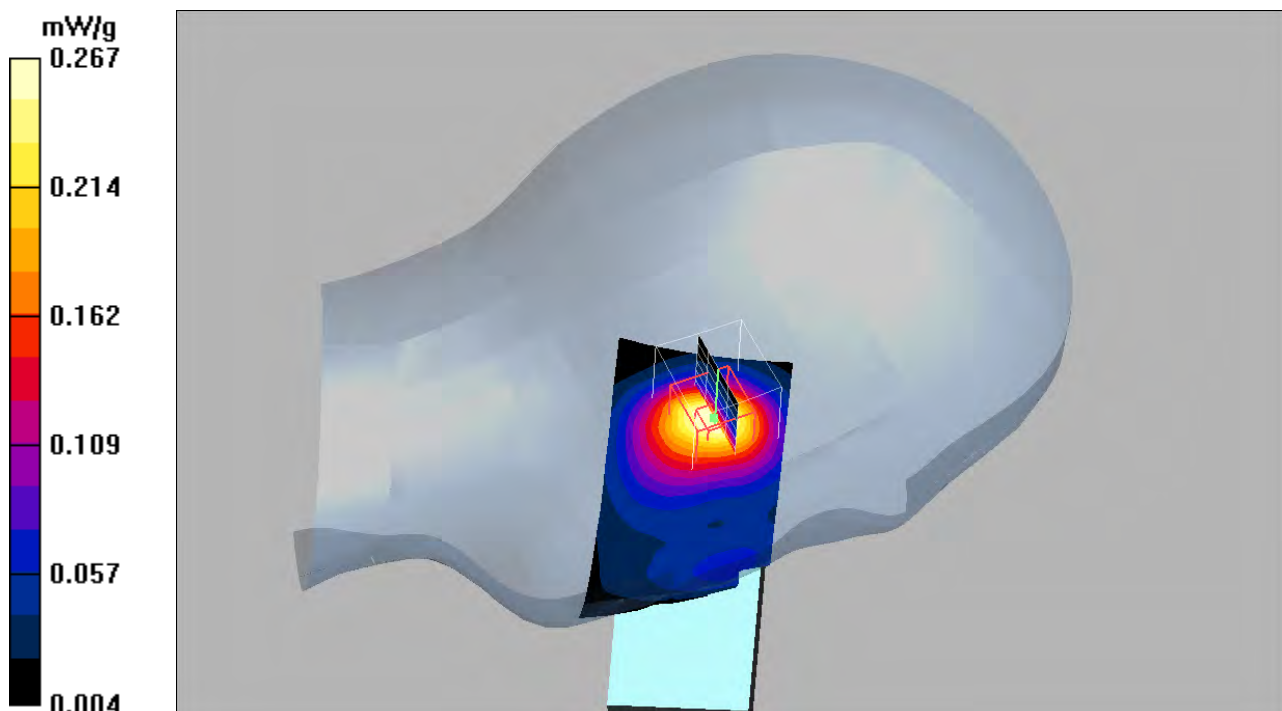
Right Tilt, mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.44 V/m; Power Drift = -0.040 dB

Peak SAR (extrapolated) = 0.353 W/kg

SAR(1 g) = 0.224 mW/g; SAR(10 g) = 0.133 mW/g

Maximum value of SAR (measured) = 0.267 mW/g



Date/Time: 2009-06-11 14:07:10

Test Laboratory: Sony Ericsson Mobile Communications AB

Body_GPRS_2TS_GSM1900_090611**DUT: PY7A3880039 (T715); Type: GSM 850,900,1800,1900, UMTS 1; Serial: BX900MF6PJ**

Communication System: GSM1900 GPRS2TX; Frequency: 1880 MHz; Duty Cycle: 1:4.15

Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.56 \text{ mho/m}$; $\epsilon_r = 53.2$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ES3DV3 - SN3062; ConvF(4.34, 4.34, 4.34); Calibrated: 2009-01-12
- Sensor-Surface: 3mm (Mechanical Surface Detection (Locations From Previous Scan Used))
Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn433; Calibrated: 2009-01-09
- Phantom: SAM 1; Type: Twin SAM; Serial: TP-1144
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 186

Mid/Area Scan (61x121x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (interpolated) = 1.43 mW/g

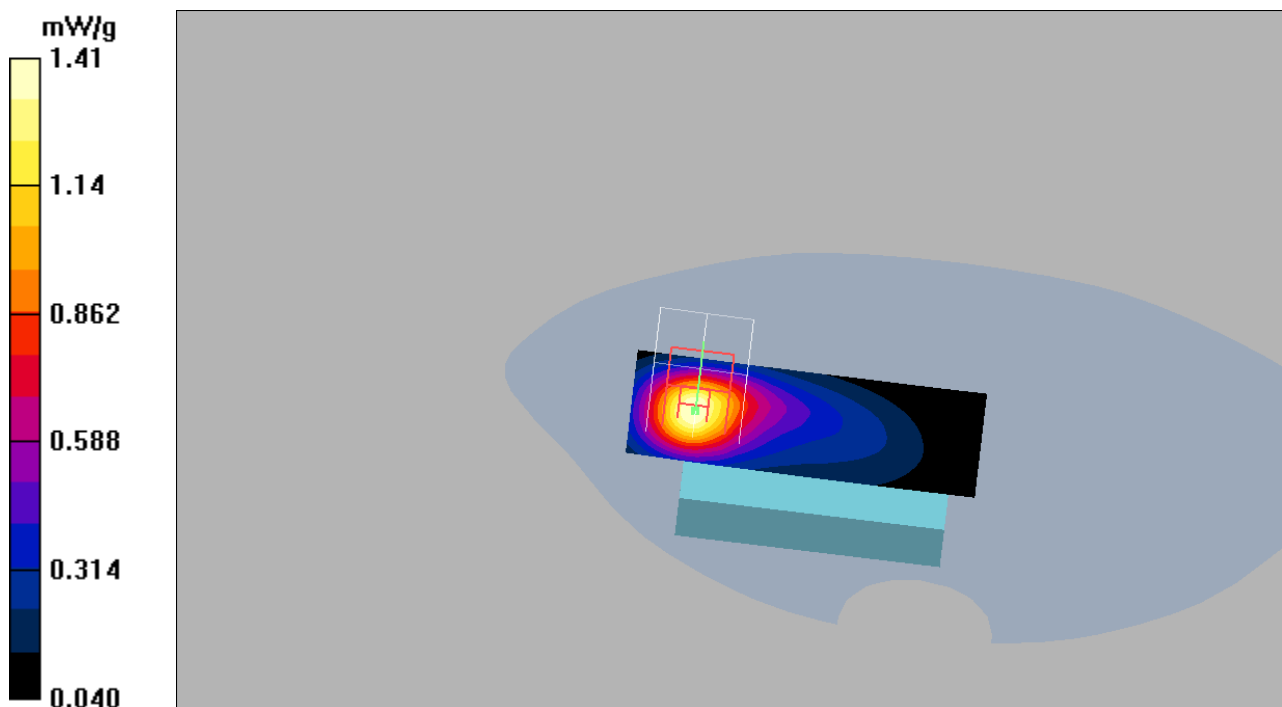
Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 8.45 V/m; Power Drift = -0.053 dB

Peak SAR (extrapolated) = 1.77 W/kg

SAR(1 g) = 1.19 mW/g; SAR(10 g) = 0.725 mW/g

Maximum value of SAR (measured) = 1.41 mW/g



Date/Time: 2009-06-11 14:42:02

Test Laboratory: Sony Ericsson Mobile Communications AB

Body_Front_GPRS_2TS_GSM1900_090611**DUT: PY7A3880039 (T715); Type: GSM 850,900,1800,1900, UMTS 1; Serial: BX900MF6PJ**

Communication System: GSM1900 GPRS2TX; Frequency: 1909.8 MHz; Duty Cycle: 1:4.15

Medium parameters used: $f = 1910$ MHz; $\sigma = 1.61$ mho/m; $\epsilon_r = 53.3$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ES3DV3 - SN3062; ConvF(4.34, 4.34, 4.34); Calibrated: 2009-01-12
- Sensor-Surface: 3mm (Mechanical Surface Detection (Locations From Previous Scan Used))
Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn433; Calibrated: 2009-01-09
- Phantom: SAM 1; Type: Twin SAM; Serial: TP-1144
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 186

Front, Mid/Area Scan (61x121x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 1.24 mW/g

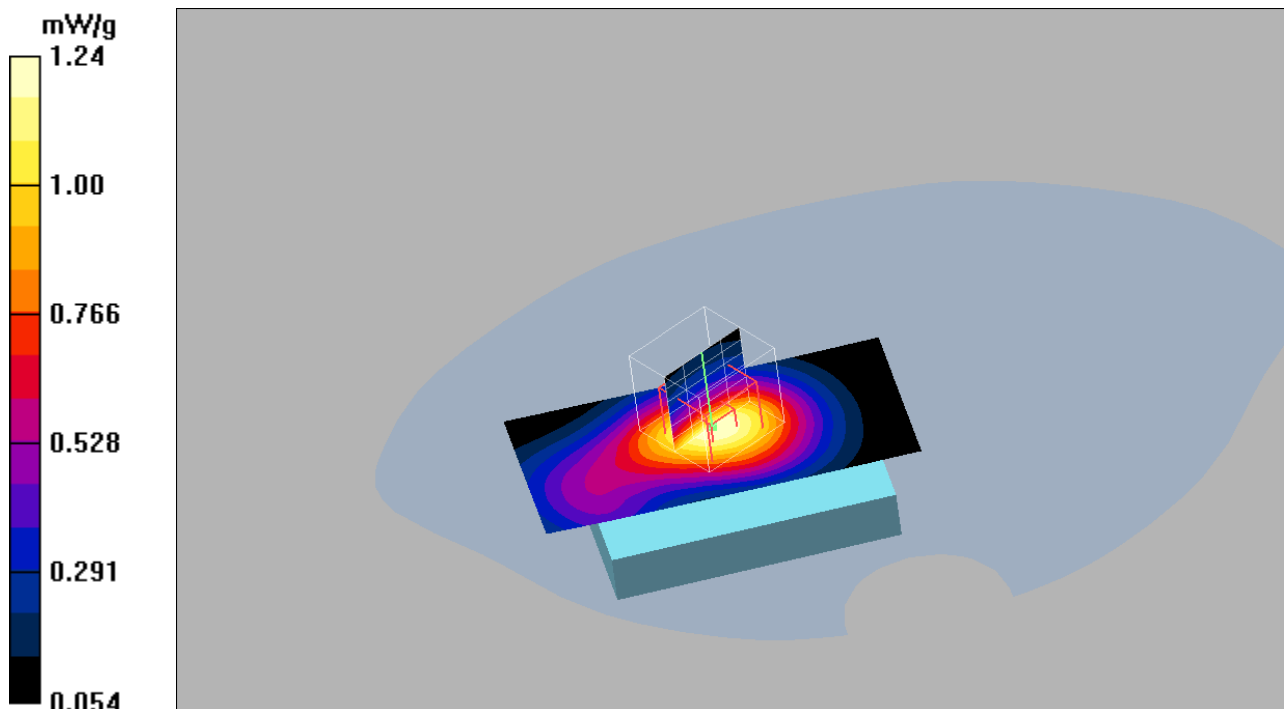
Front, Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.4 V/m; Power Drift = 0.021 dB

Peak SAR (extrapolated) = 1.50 W/kg

SAR(1 g) = 1.07 mW/g; SAR(10 g) = 0.705 mW/g

Maximum value of SAR (measured) = 1.24 mW/g



Date/Time: 2009-06-11 15:32:12

Test Laboratory: Sony Ericsson Mobile Communications AB

Body_Speech_BT_GSM1900_090611**DUT: PY7A3880039 (T715); Type: GSM 850,900,1800,1900, UMTS 1; Serial: BX900MF6PJ**

Communication System: GSM 1900; Frequency: 1880 MHz; Duty Cycle: 1:8.3

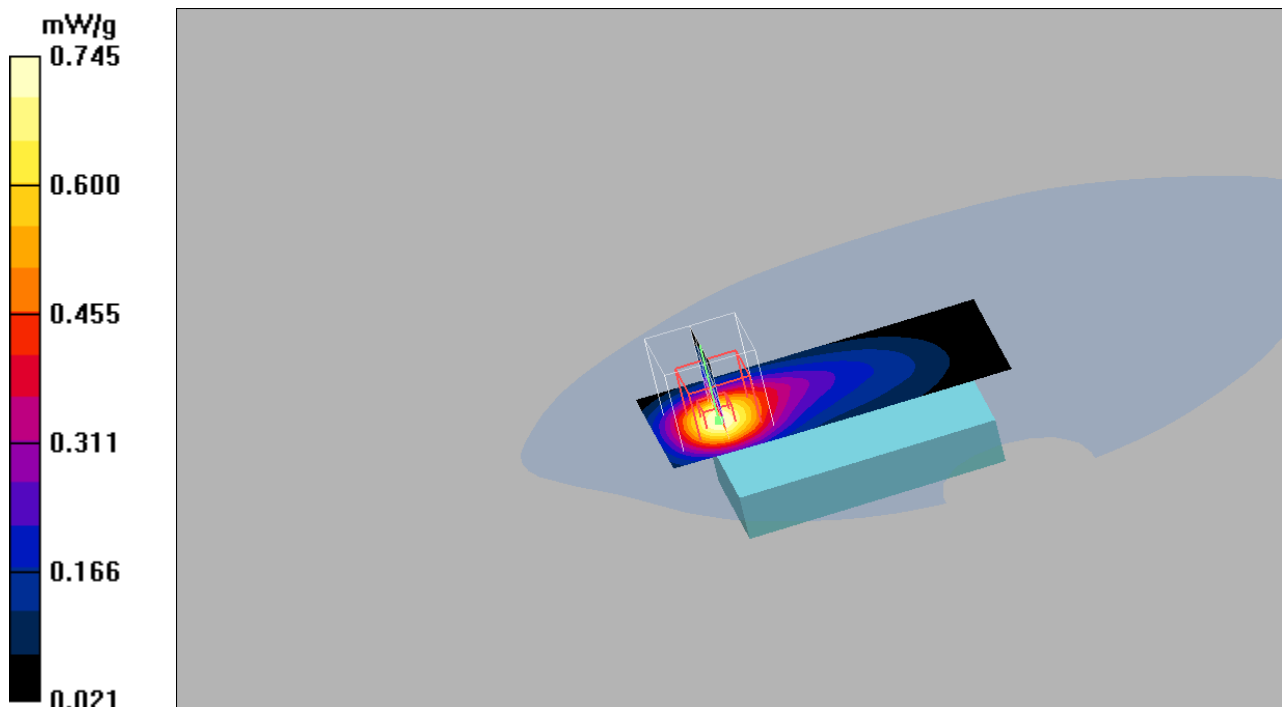
Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.56 \text{ mho/m}$; $\epsilon_r = 53.2$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ES3DV3 - SN3062; ConvF(4.34, 4.34, 4.34); Calibrated: 2009-01-12
- Sensor-Surface: 3mm (Mechanical Surface Detection (Locations From Previous Scan Used))
Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn433; Calibrated: 2009-01-09
- Phantom: SAM 1; Type: Twin SAM; Serial: TP-1144
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 186

Mid, BT/Area Scan (61x121x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$ Maximum value of SAR (interpolated) = 0.754 mW/g **Mid, BT/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 6.56 V/m ; Power Drift = 0.108 dB Peak SAR (extrapolated) = 0.944 W/kg **SAR(1 g) = 0.632 mW/g ; SAR(10 g) = 0.387 mW/g** Maximum value of SAR (measured) = 0.745 mW/g 

Date/Time: 2009-06-11 15:15:11

Test Laboratory: Sony Ericsson Mobile Communications AB

Body_Speech_PHF_GSM1900_090611**DUT: PY7A3880039 (T715); Type: GSM 850,900,1800,1900, UMTS 1; Serial: BX900MF6PJ**

Communication System: GSM 1900; Frequency: 1880 MHz; Duty Cycle: 1:8.3

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.56$ mho/m; $\epsilon_r = 53.2$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ES3DV3 - SN3062; ConvF(4.34, 4.34, 4.34); Calibrated: 2009-01-12
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn433; Calibrated: 2009-01-09
- Phantom: SAM 1; Type: Twin SAM; Serial: TP-1144
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 186

Mid, PHF/Area Scan (61x121x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.698 mW/g

Mid, PHF/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.08 V/m; Power Drift = 0.077 dB

Peak SAR (extrapolated) = 0.885 W/kg

SAR(1 g) = 0.578 mW/g; SAR(10 g) = 0.343 mW/g

Maximum value of SAR (measured) = 0.698 mW/g

