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LD/SEMC/CCDALE *Ramadan Plicanic*

Approved

LD/SEMC/CCDALEC *Peter Lindeborg*

Checked

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REPORT

No.

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**Report issued by Accredited SAR Laboratory****for****FCC ID: PY7A3880035 (W995a)****Date of test:** March 4<sup>th</sup> to March 25<sup>th</sup>, 2009**Laboratory:** Sony Ericsson SAR Test Laboratory  
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[Peter.Lindeborg@sonyericsson.com](mailto:Peter.Lindeborg@sonyericsson.com)  
+46 10 802 43 68**Statement of Compliance**

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

***Sony Ericsson Type: AAD-3880035-BV; FCC ID: PY7A3880035; IC ID: 4170B-A3880035***

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 PY7A3880035 (W995a) 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

|                      |   |
|----------------------|---|
| <b>Company Name:</b> | Sony Ericsson Mobile Communications AB                                    |
| <b>Address:</b>      | TA&RAT-team, 5th Floor W-W building<br>108-0075 Minato-ku<br>Tokyo, Japan |
| <b>Contact Name:</b> | Izumi Takashi   |

## 3 Device Under Test

### 3.1 Antenna Description

|  |                  |       |
|--|------------------|-------|
| <b>Type</b>                            | Internal antenna |       |
| <b>Location</b>                        | Bottom of phone  |       |
| <b>Main and WLAN antennas distance</b> | 68.6mm           |       |
| <b>Dimensions</b>                      | Max length       | 45 mm |
|  | Max width        | 14 mm |
| <b>Configuration</b>                   | Monopole         |       |

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### 3.2 Device Description

|  |  |      |      |                 |      |      |
|--|--|------|------|-----------------|------|------|
| <b>Device model</b>  | AAD-3880035-BV   |      |      |                 |      |      |
| <b>Market name</b>   | W995a  |      |      |                 |      |      |
| <b>Serial number (EUT #)</b>                                     | CB5A10RP4C (#14710)<br>CB5A10RPEA (#14713) WLAN Sample |      |      |                 |      |      |
| <b>Mode</b>  | GSM 850  |      |      | GSM 1900        |      |      |
| <b>Crest factor</b>  | 8.3  |      |      | 8.3             |      |      |
| <b>Multiple access scheme</b>                                    | TDMA   |      |      | TDMA            |      |      |
| <b>Channel No.</b>   | 128  | 190  | 251  | 512             | 661  | 885  |
| <b>Measured Power Level [dBm]<sup>1</sup></b>                    | 32.7   | 32.7 | 32.7 | 29.9            | 29.9 | 29.9 |
| <b>Product Maximum power Level [dBm]<sup>1</sup> (1524 spec)</b> | 33.2   | 33.2 | 33.2 | 30.4            | 30.4 | 30.4 |
| <b>Data mode</b>   | GPRS   |      |      | GPRS            |      |      |
| <b>Crest factor</b>  | 4.15   |      |      | 4.15            |      |      |
| <b>Measured Power Level [dBm]<sup>1</sup></b>                    | 30.2   | 30.2 | 30.2 | 27.4            | 27.4 | 27.4 |
| <b>Product Maximum power Level [dBm]<sup>1</sup> (1524 spec)</b> | 30.7   | 30.7 | 30.7 | 27.9            | 27.9 | 27.9 |
| <b>Data mode</b>   | EDGE   |      |      | EDGE            |      |      |
| <b>Crest factor</b>  | 4.15   |      |      | 4.15            |      |      |
| <b>Measured Power Level [dBm]<sup>1</sup></b>                    | 27.5   | 27.5 | 26.7 | 26.5            | 26.6 | 26.5 |
| <b>Product Maximum power Level [dBm]<sup>1</sup> (1524 spec)</b> | 28.0   | 28.0 | 28.0 | 27.0            | 27.0 | 27.0 |
| <b>Transmitting frequency range [MHz]</b>                        | 824.0 - 849.0  |      |      | 1850.0 - 1910.0 |      |      |

|  |                   |      |      |               |      |      |
|--|-------------------|------|------|---------------|------|------|
| <b>Mode</b>  | UMTS 2            |      |      | UMTS 5        |      |      |
| <b>Crest factor</b>  | 1                 |      |      | 1             |      |      |
| <b>Multiple access scheme</b>                                    | WCDMA             |      |      | WCDMA         |      |      |
| <b>Channel No.</b>   | 9262              | 9400 | 9538 | 2712          | 2788 | 2863 |
| <b>Measured Power Level [dBm]<sup>1</sup></b>                    | 22.3              | 22.3 | 22.3 | 23.0          | 23.0 | 23.0 |
| <b>Product Maximum power Level [dBm]<sup>1</sup> (1524 spec)</b> | 22.8              | 22.8 | 22.8 | 23.5          | 23.5 | 23.5 |
| <b>Data Mode</b>   | (See section 3.3) |      |      |               |      |      |
| <b>Transmitting frequency range [MHz]</b>                        | 1852.5 - 1907.6   |      |      | 882,4 – 912,6 |      |      |

|                                     |                                   |
|-------------------------------------|-----------------------------------|
| <b>GPRS Multislot class</b>         | 10                                |
| <b>EDGE class</b>                   | 10                                |
| <b>GPRS Capability class</b>        | B                                 |
| <b>BT class and conducted power</b> | Class 1, 8.0 dBm                  |
| <b>Prototype or production unit</b> | Preproduction                     |
| <b>Hardware Version</b>             | AP1.2                             |
| <b>Software version</b>             | R1DB005/ TP1(R13FC108)            |
| <b>Device category</b>              | Portable                          |
| <b>RF exposure environment</b>      | General population / uncontrolled |

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### 3.3 HSPA Power Characteristics

The conducted power of the device was confirmed in two UMTS circuit switched modes (RMC and Voice) and four HSDPA modes. A CMU-200 was used to establish the call processing and modulation settings and an RF power meter was used for measurement. For all HSDPA measurements, the following settings were applied:

H-SET3 QPSK

CQI feedback=2msec

 $\Delta\text{ACK} = \Delta\text{NACK} = \Delta\text{CQI} = 8$ 

The results (including relevant CMU settings) are presented in the following table:

| EUT #14710 |           |           |                   |       | 1852,4 | 1880 | 1907,6 | 826,4  | 836,4 | 846,6 |
|------------|-----------|-----------|-------------------|-------|--------|------|--------|--------|-------|-------|
|            | $\beta_c$ | $\beta_D$ | $\Delta\text{HS}$ | max-> | Band 2 |      |        | Band 5 |       |       |
|            | 8         | 15        | -                 |       | 22.8   | 22.8 | 22.8   | 23.5   | 23.5  | 23.5  |
| CS - RMC   | 8         | 15        | -                 |       | 22.7   | 22.7 | 22.6   | 23.3   | 23.4  | 23.4  |
| CS - voice | 8         | 15        | -                 |       | 22.7   | 22.7 | 22.6   | 23.3   | 23.4  | 23.4  |
| HSDPA - 1  | 2         | 15        | 8                 |       | 22.5   | 22.5 | 22.4   | 23.1   | 23.2  | 23.2  |
| HSDPA - 2  | 12        | 15        | 8                 |       | 22.5   | 22.4 | 22.4   | 22.9   | 22.9  | 22.9  |
| HSDPA - 3  | 15        | 8         | 8                 |       | 22.0   | 21.8 | 21.8   | 22.2   | 22.3  | 22.3  |
| HSDPA - 4  | 15        | 4         | 8                 |       | 22.0   | 21.8 | 21.9   | 22.3   | 22.3  | 22.3  |

The measured 1-gram averaged SAR values of the device against head and body are provided in tables 3 and 4. For head and body measurement, the unit was measured in the following (CS) voice modes:

 $\text{RMC} = 12.2, \beta_c = 8, \beta_D = 15$ 

For body measurement, the unit was measured according FCC guidance with following HSDPA settings:

 $\text{RMC} = 12.2, \beta_c = 9, \beta_D = 15, \Delta\text{ACK} = 5, \Delta\text{NACK} = 5, \Delta\text{CQI} = 2$

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In HSUPA mode, additional code channels (E-DPCCH, E-DPDCHn) are added for data transfer in the uplink at higher bit rates.

5 sub-tests are defined by 3GPP TS 34.121 [7] according to the following table:

| Sub-test | $\beta_c$            | $\beta_d$            | $\beta_d$ (SF) | $\beta_o/\beta_d$    | $\beta_{hs}^{(1)}$ | $\beta_{ec}$ | $\beta_{ed}$                               | $\beta_{ec}$ (SF) | $\beta_{ed}$ (code) | CM (dB) <sup>(2)</sup> | MPR (dB) | AG <sup>(4)</sup> Index | E-TFC I |
|----------|----------------------|----------------------|----------------|----------------------|--------------------|--------------|--|-------------------|---------------------|------------------------|----------|-------------------------|---------|
| 1        | 11/15 <sup>(3)</sup> | 15/15 <sup>(3)</sup> | 64             | 11/15 <sup>(3)</sup> | 22/15              | 209/225      | 1039/225                                   | 4                 | 1                   | 0.0                    | 0.0      | 20                      | 75      |
| 2        | 6/15                 | 15/15                | 64             | 6/15                 | 12/15              | 12/15        | 94/75                                      | 4                 | 1                   | 1.0                    | 2.0      | 12                      | 67      |
| 3        | 15/15                | 9/15                 | 64             | 15/9                 | 30/15              | 30/15        | $\beta_{ed1}:47/15$<br>$\beta_{ed2}:47/15$ | 4                 | 2                   | 1.5                    | 1.0      | 15                      | 92      |
| 4        | 2/15                 | 15/15                | 64             | 2/15                 | 4/15               | 2/15         | 56/75                                      | 4                 | 1                   | 1.5                    | 2.0      | 17                      | 71      |
| 5        | 15/15 <sup>(4)</sup> | 15/15 <sup>(4)</sup> | 64             | 15/15 <sup>(4)</sup> | 30/15              | 24/15        | 134/15                                     | 4                 | 1                   | 1.5                    | 0.0      | 21                      | 81      |

Note 1:  $\Delta_{ACK}, \Delta_{NACK}, \Delta_{CQI} = 8 \iff A_{HS} = \beta_{HS}/\beta_c = 30/15 \iff \beta_{HS} = 30/15 * \beta_c$   
 Note 2: CM = 1 for  $\beta_o/\beta_d = 12/15, \beta_{HS}/\beta_c = 24/15$ . For all other combinations of DPDCH, DPCCH, HS-DPCCH, E-DPDCH and E-DPCCH the MPR is based on the relative CM difference  
 Note 3: For sub-test 1 the  $\beta_o/\beta_d$  ratio of 11/15 for the TFC during the measurement period (TF1, TF0) is achieved by setting the signalled gain factors for the reference TFC (TF1, TF1) to  $\beta_c = 10/15$  and  $\beta_d = 15/15$   
 Note 4: For sub-test 5 the  $\beta_o/\beta_d$  ratio of 15/15 for the TFC during the measurement period (TF1, TF0) is achieved by setting the signalled gain factors for the reference TFC (TF1, TF1) to  $\beta_c = 14/15$  and  $\beta_d = 15/15$   
 Note 5: Testing UE using E-DPDCH Physical Layer category 1 sub-test 3 is not required according to TS 25.306 Table 5.1g  
 Note 6:  $\beta_{ed}$  cannot be set directly; it is set by Absolute Grant Value

| EUT #              |       | 1852,4  | 1880    | 1907,6  | 826,4   | 836,4   | 846,6   |
|--------------------|-------|---------|---------|---------|---------|---------|---------|
|                    |       | (Band2) | (Band2) | (Band2) | (Band5) | (Band5) | (Band5) |
|                    | max-> | Band 2  |         |         | Band 5  |         |         |
|                    |       | 22.8    | 22.8    | 22.8    | 23.5    | 23.5    | 23.5    |
| HSUPA - Sub-test 1 |       | 22.5    | 22.4    | 22.3    | 23.1    | 23.1    | 23.1    |
| HSUPA - Sub-test 2 |       | 20.1    | 20.0    | 20.0    | 20.5    | 20.4    | 20.4    |
| HSUPA - Sub-test 3 |       | 21.6    | 21.4    | 21.4    | 22.0    | 21.9    | 21.9    |
| HSUPA - Sub-test 4 |       | 20.1    | 20.0    | 20.0    | 20.4    | 20.3    | 20.3    |
| HSUPA - Sub-test 5 |       | 22.5    | 22.3    | 22.3    | 23.0    | 23.0    | 23.1    |

NOTE: None of the HSDPA/HSUPA settings leads to conducted power values exceeding the conducted power in RMC mode by more than 0.25 dB.  
 So no additional SAR measurements are required for those test modes.

NOTE: According to the subtest settings shown in Table above a Maximum Power Reduction (MPR) of up to 2dB can be expected in HSUPA subtest 2 - 4. The WCDMA measurement results may show a lower power reduction depending on the chipset features of the DUT.



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| WLAN Output Power   |  |  |  |      |       |
|---------------------|--|--|--|------|-------|
| Mode                | Max Output Power <sup>1</sup><br>(dBm) | Factory Tolerance <sup>1</sup><br>(dB) | EUT (#13391) power<br>(dBm) <sup>1</sup> |      |       |
|                     |  |  | Ch 1                                     | Ch6  | Ch 11 |
| 802.11b 1Mbit/sec   | 16.0                                   | 1                                      | 15.4                                     | 15.3 | 15.8  |
| 802.11b 2Mbit/sec   |  |  |  |      |       |
| 802.11b 5.5Mbit/sec |  |  |  |      |       |
| 802.11b 11Mbit/sec  |  |  |  |      |       |
| 802.11g 6Mbit/sec   | 14.0                                   | 1                                      | 13.2                                     | 13.2 | 13.1  |
| 802.11g 9Mbit/sec   |  |  |  |      |       |
| 802.11g 12Mbit/sec  | 14.0                                   | 1                                      | 13.4                                     | 13.6 | 13.7  |
| 802.11g 18Mbit/sec  |  |  |  |      |       |
| 802.11g 24Mbit/sec  | 14.0                                   | 1                                      | 13.2                                     | 13.3 | 13.5  |
| 802.11g 36Mbit/sec  |  |  |  |      |       |
| 802.11g 48Mbit/sec  |  |  |  |      |       |
| 802.11g 54Mbit/sec  | 14.0                                   | 1                                      | 13.2                                     | 13.4 | 13.5  |

<sup>1</sup> Measured output values were provided by the customer.

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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 55) 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 DAE                      | 428           | 01 2010  |
| E-field probe ET3DV6           | 1569          | 01 2010  |
| Dipole Validation Kit, D835V2  | 4d039         | 01 2010  |
| Dipole Validation Kit, D1900V2 | 5d002         | 01 2010  |
| Dipole Validation Kit, D2450V2 | 745           | 03 2011  |

### 4.2 Additional equipment

| Description                   | Inventory Number | Due Date  |
|-------------------------------|------------------|-----------|
| Signal generator hp D4000A    | 483972           | 03 2010   |
| Directional coupler HP778D    | 39656            | 032010    |
| Power meter R&S NRVD          | 20007668         | 032010    |
| Power sensor R&S NRV-Z5       | 20007671         | 032010    |
| Power sensor R&S NRV-Z5       | 20007670         | 032010    |
| Network analyzer hp 8753      | 421671           | 032010    |
| Dielectric probe kit HP85070D | 20000053         | Self. cal |
| R&S CMU200                    | 20002149         | 032010    |

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## 5 Electrical parameters on the tissue simulating liquid

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

| f<br>[MHz] | Tissue<br>type | Measured / Recommended | Dielectric Parameters |                | Density                     |
|------------|----------------|------------------------|-----------------------|----------------|-----------------------------|
|            |                |                        | $\epsilon_r$          | $\sigma$ [S/m] | $\rho$ [g/cm <sup>3</sup> ] |
| 835        | Head           | Measured, 2009-03-04   | 42.1                  | 0.89           | 1.00                        |
|            |                | Recommended            | 41.5                  | 0.90           | 1.00                        |
| 835        | Body           | Measured, 2009-03-19   | 53.3                  | 0.98           | 1.00                        |
|            |                | Recommended            | 55.2                  | 0.97           | 1.00                        |
| 835        | Head           | Measured, 2009-03-05   | 42.1                  | 0.89           | 1.00                        |
|            |                | Recommended            | 41.5                  | 0.90           | 1.00                        |
| 835        | Body           | Measured, 2009-03-20   | 53.3                  | 0.98           | 1.00                        |
|            |                | Recommended            | 55.2                  | 0.97           | 1.00                        |
| 1900       | Head           | Measured, 2009-03-16   | 38.4                  | 1.46           | 1.00                        |
|            |                | Recommended            | 40.0                  | 1.40           | 1.00                        |
| 1900       | Body           | Measured, 2009-03-18   | 53.6                  | 1.59           | 1.00                        |
|            |                | Recommended            | 53.3                  | 1.52           | 1.00                        |
| 1900       | Head           | Measured, 2009-03-17   | 38.4                  | 1.46           | 1.00                        |
|            |                | Recommended            | 40.0                  | 1.40           | 1.00                        |
| 1900       | Body           | Measured, 2009-03-19   | 53.6                  | 1.59           | 1.00                        |
|            |                | Recommended            | 53.3                  | 1.52           | 1.00                        |
| 2450       | Head           | Measured, 2009-03-23   | 39.0                  | 1.89           | 1.00                        |
|            |                | Recommended            | 39.2                  | 1.80           | 1.00                        |
| 2450       | Head           | Measured, 2009-03-24   | 39.0                  | 1.89           | 1.00                        |
|            |                | Recommended            | 39.2                  | 1.80           | 1.00                        |
| 2450       | Body           | Measured, 2009-03-25   | 50.9                  | 2.04           | 1.00                        |
|            |                | Recommended            | 52.7                  | 1.95           | 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 measurements were made at an ambient temperature of 20.0 -25.0 °C and humidity 30-70 %. The obtained results are displayed in the table below.

RF noise had been measured in liquid when all RF equipment in lab was switched off. Measured value was 0.00015 mW/g in 1g mass.

| f [MHz] | Tissue type | Measured / Reference | SAR [W/kg] 1g | Dielectric Parameters |         | Density ρ [g/cm³] | Liquid T [°C] |
|---------|-------------|----------------------|---------------|-----------------------|---------|-------------------|---------------|
|         |             |                      |               | ε <sub>r</sub>        | σ [S/m] |                   |               |
| 835     | Head        | Measured, 2009-03-04 | 9.90          | 42.1                  | 0.89    | 1.00              | 22.0          |
|         |             | Reference            | 9.68          | 41.5                  | 0.90    | 1.00              | 22.0          |
| 835     | Body        | Measured, 2009-03-19 | 9.94          | 53.3                  | 0.98    | 1.00              | 22.0          |
|         |             | Reference            | 9.86          | 55.2                  | 0.97    | 1.00              | 22.0          |
| 835     | Head        | Measured, 2009-03-05 | 9.80          | 42.1                  | 0.89    | 1.00              | 22.0          |
|         |             | Reference            | 9.68          | 41.5                  | 0.90    | 1.00              | 22.0          |
| 835     | Body        | Measured, 2009-03-20 | 9.95          | 53.3                  | 0.98    | 1.00              | 22.0          |
|         |             | Reference            | 9.86          | 55.2                  | 0.97    | 1.00              | 22.0          |
| 1900    | Head        | Measured, 2009-03-16 | 37.5          | 38.4                  | 1.46    | 1.00              | 22.0          |
|         |             | Reference            | 39.9          | 40.0                  | 1.40    | 1.00              | 22.0          |
| 1900    | Body        | Measured, 2009-03-18 | 38.3          | 53.6                  | 1.59    | 1.00              | 22.0          |
|         |             | Reference            | 41.5          | 53.3                  | 1.52    | 1.00              | 22.0          |
| 1900    | Head        | Measured, 2009-03-17 | 39.1          | 38.4                  | 1.46    | 1.00              | 22.0          |
|         |             | Reference            | 39.9          | 40.0                  | 1.40    | 1.00              | 22.0          |
| 1900    | Body        | Measured, 2009-03-19 | 39.1          | 53.6                  | 1.59    | 1.00              | 22.0          |
|         |             | Reference            | 41.5          | 53.3                  | 1.52    | 1.00              | 22.0          |
| 2450    | Head        | Measured, 2009-03-23 | 57.7          | 39.0                  | 1.89    | 1.00              | 22.0          |
|         |             | Reference            | 52.9          | 39.2                  | 1.80    | 1.00              | 22.0          |
| 2450    | Head        | Measured, 2009-09-24 | 57.8          | 39.0                  | 1.89    | 1.00              | 22.0          |
|         |             | Reference            | 52.9          | 39.2                  | 1.80    | 1.00              | 22.0          |
| 2450    | Body        | Measured, 2009-03-25 | 58.6          | 50.9                  | 1.94    | 1.00              | 22.0          |
|         |             | Reference            | 53.4          | 52.7                  | 1.95    | 1.00              | 22.0          |



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## 7 SAR measurement uncertainty

### *SAR measurement uncertainty evaluation for Sony Ericsson PY7A3880035 (W995a) phone According to IEEE 1528*

| Uncertainty Component                            | Uncer. (%) | Prob Dist. | Div. | C <sub>i</sub> | 1g mass      |
|--|------------|------------|------|----------------|--------------|
| <b>Measurement System</b>                        |            |            |      |                |              |
| 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         |
| <b>Measurement System Uncertainty</b>            |            |            |      |                | <b>±8.4</b>  |
| <b>Test Sample Related</b>                       |            |            |      |                |              |
| 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         |
| <b>Test Sample Related Uncertainty</b>           |            |            |      |                | <b>±5.5</b>  |
| <b>Phantom and Tissue Parameters</b>             |            |            |      |                |              |
| 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         |
| <b>Phantom and Tissue Parameters Uncertainty</b> |            |            |      |                | <b>±4.1</b>  |
| <b>Combined standard uncertainty</b>             |            |            |      |                | <b>±10.8</b> |
| <b>Extended standard uncertainty (k=2)</b>       |            |            |      |                | <b>±21.6</b> |



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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. SAR in WLAN mode had been measured with 100% duty-cycle with Bit rate speed of 1Mbit/sec.

For head measurement, the DUT was tested on the right-hand side, and the left-hand side of the phantom both open and close 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 rear(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.

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| Band        | Channel | Measured output power <sup>1</sup> [dBm] | Position    | Liquid T [°C] | Measured SAR [W/kg] |                   |
|-------------|---------|--|-------------|---------------|---------------------|-------------------|
|             |         |  |             |               | Left-hand 1g mass   | Right-hand 1g mas |
| GSM 850     | 128     | 33.2                                     | Cheek Open  | 22.0          | 0.66                | 0.55              |
|             |         |  | Cheek Close | 22.0          | -                   | 0.66              |
|             | 190     | 33.1                                     | Cheek Open  | 22.0          | 0.78                | 0.80              |
|             |         |  | Cheek Close | 22.0          | 0.66                | 0.82              |
|             |         |  | Tilt Open   | 22.0          | 0.42                | 0.35              |
|             |         |  | Tilt Close  | 22.0          | 0.35                | 0.35              |
|             | 251     | 33.2                                     | Cheek Open  | 22.0          | <b>0.89</b>         | 0.78              |
|             |         |  | Cheek Close | 22.0          | 0.70                | 0.81              |
| GSM 1900    | 512     | 30.2                                     | Cheek Close | 22.0          | 0.87                | <b>1.19</b>       |
|             | 661     | 30.2                                     | Cheek Open  | 22.0          | 0.71                | 0.60              |
|             |         |  | Cheek Close | 22.0          | 0.86                | 1.18              |
|             |         |  | Tilt Open   | 22.0          | 0.40                | 0.49              |
|             |         |  | Tilt Close  | 22.0          | 0.47                | 0.50              |
|             | 810     | 30.3                                     | Cheek Close | 22.0          | 0.88                | 1.09              |
|             | UMTS 2  | 9262                                     | 22.7        | Cheek Open    | 22.0                | 0.99              |
| Cheek Close |         |  |             | 22.0          | 1.02                | 1.22              |
| 9400        |         | 22.7                                     | Cheek Open  | 22.0          | 0.98                | 0.74              |
|             |         |  | Cheek Close | 22.0          | 1.09                | 1.25              |
|             |         |  | Tilt Open   | 22.0          | 0.48                | 0.62              |
|             |         |  | Tilt Close  | 22.0          | 0.59                | 0.57              |
| 9538        |         | 22.6                                     | Cheek Open  | 22.0          | 0.84                | -                 |
|             |         |  | Cheek Close | 22.0          | 0.98                | <b>1.29</b>       |
| UMTS 5      | 4132    | 23.3                                     | Cheek Open  | 22.0          | 0.41                | 0.39              |
|             | 4183    | 23.4                                     | Cheek Open  | 22.0          | 0.64                | <b>0.64</b>       |
|             |         |  | Cheek Close | 22.0          | 0.63                | 0.62              |
|             |         |  | Tilt Open   | 22.0          | 0.31                | 0.31              |
|             |         |  | Tilt Close  | 22.0          | 0.31                | 0.36              |
|             | 4233    | 23.4                                     | Cheek Open  | 22.0          | 0.49                | 0.49              |
| WLAN        | 1       | 15.4                                     | Cheek Close | 22.0          | <b>0.33</b>         | 0.12              |
|             | 6       | 15.3                                     | Cheek Open  | 22.0          | 0.08                | 0.05              |
|             |         |  | Cheek Close | 22.0          | 0.26                | 0.08              |
|             |         |  | Tilt Open   | 22.0          | 0.08                | 0.06              |
|             |         |  | Tilt Close  | 22.0          | 0.29                | 0.08              |
|             | 11      | 15.8                                     | Cheek Close | 22.0          | 0.28                | 0.16              |

**Table 1: SAR measurement result for Sony Ericsson PY7A3880035 telephone at highest possible output power. Measured towards the head.**

<sup>1</sup> Measured output values were provided by the customer.

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| Band     | Channel | Measured output power <sup>2</sup> [dBm] | Position / Mode | Liquid T [°C] | Measured SAR [W/kg] 1g mass |
|----------|---------|--|-----------------|---------------|-----------------------------|
| GSM 850  | 128     | 33.2                                     | Back / BT       | 22.0          | 0.68                        |
|          |         | 30.6                                     | Back / GPRS     | 22.0          | 0.69                        |
|          | 190     | 33.1                                     | Back / BT       | 22.0          | 0.74                        |
|          |         | 30.7                                     | Back / GPRS     | 22.0          | 1.02                        |
|          | 251     | 33.2                                     | Back / BT       | 22.0          | 0.83                        |
|          |         |  | Back/PHF        | 22.0          | 0.81                        |
|          |         | 30.6                                     | Back / GPRS     | 22.0          | <b>1.30</b>                 |
|          |         |  | Front/GPRS      | 22.0          | 0.66                        |
| GSM 1900 | 512     | 27.9                                     | Back / GPRS     | 22.0          | 0.62                        |
|          |         | 30.2                                     | Back/PHF        | 22.0          | 0.58                        |
|          | 661     | 30.2                                     | Back / BT       | 22.0          | 0.53                        |
|          |         |  | Back/PHF        | 22.0          | 0.54                        |
|          |         | 27.9                                     | Back/GPRS       | 22.0          | <b>0.74</b>                 |
|          |         |  | Front/GPRS      | 22.0          | 0.32                        |
|          | 27.0    | Back / EDGE                              | 22.0            | 0.62          |                             |
|          |         | 27.8                                     | Back / GPRS     | 22.0          | 0.72                        |
| 810      | 30.2    | Back/BT                                  | 22.0            | 0.54          |                             |
|          |         | Back / PHF                               | 22.0            | 0.63          |                             |
| UMTS 2   | 9262    | 22.7                                     | Back / CS       | 22.0          | 0.65                        |
|          | 9400    | 22.7                                     | Front/CS        | 22.0          | 0.28                        |
|          |         |  | Back/PHF        | 22.0          | <b>0.68</b>                 |
|          |         |  | Back/BT         | 22.0          | 0.65                        |
|          |         |  | Back/PHF        | 22.0          | 0.62                        |
| 9538     | 22.6    | Back/PHF                                 | 22.0            | 0.62          |                             |
| UMTS 5   | 4132    | 23.3                                     | Back/CS         | 22.0          | 0.43                        |
|          | 4183    | 23.4                                     | Back/CS         | 22.0          | 0.63                        |
|          |         |  | Back/PHF        | 22.0          | 0.59                        |
|          |         |  | Back/BT         | 22.0          | <b>0.63</b>                 |
|          |         |  | Front/CS        | 22.0          | 0.29                        |
| 4233     | 23.4    | Back/CS                                  | 22.0            | 0.56          |                             |
| WLAN     | 1       | 15.4                                     | Back / WLAN     | 22.0          | 0.12                        |
|          | 6       | 15.3                                     | Back / WLAN     | 22.0          | <b>0.15</b>                 |
|          | 11      | 15.8                                     | Back / WLAN     | 22.0          | 0.15                        |

**Table 2: SAR measurement result for Sony Ericsson PY7A3880035 telephone at highest possible output power. Measured towards the body.**

<sup>2</sup> Measured output values were provided by the customer.

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## 8.1 Collateral transmitters

Main antenna and Wlan antenna are on 68,6mm distance and according to Reference [6] it was not need to make Combine SAR measurement. In table 3 have presented theoretical SAR value for combine SAR (if antennas should be very close).

| Position               | Modes                       | Combine SAR (1g) | Combine SAR(1g) |
|------------------------|-----------------------------|------------------|-----------------|
|                        |                             | theoretical      | Volume scan     |
| <i>Head Left Cheek</i> | <i>UMTS 2&amp;WLAN</i>      | 1.42             | not measured    |
| <i>Body</i>            | <i>GSM850(2TS)&amp;WLAN</i> | 1.45             | not measured    |

**Table 3: SAR measurement results for collateral transmissions.**



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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 KDB248227. "SAR Measurement procedure for 802.11a/b/g Transmitters", May 2007.
- [ 6 ] FCC KDB648474. "SAR Evaluation Consideration for HANDSETS with Multiple Transmitters and Antenna", April 2008.
- [ 7 ] 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 tes



**Front Close**



**Front Open**



**Back side with battery**



**System Conector**

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## 9.2 Device position at SAM Twin Phantom



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



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

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*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: 2009-03-19 10:31:07

Test Laboratory: Sony Ericsson Mobile Communications  
 File Name: [Voice\\_15mm\\_UMTS2\\_090319\\_RP.da4](#)

**DUT: PYA3880035 (W995a) ; Type: GSM+UMTS+Wlan; Serial: #14710**  
**Program Name: SAR Measurement on the Body**

Communication System: UMTS\_band2; Frequency: 1880 MHz; Duty Cycle: 1:1  
 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.57$  mho/m;  $\epsilon_r = 53.6$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom section: Flat Section

#### DASY4 Configuration:

- Probe: ET3DV6 - SN1569; ConvF(4.42, 4.42, 4.42); Calibrated: 2009-01-12
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn428; Calibrated: 2009-01-09
- Phantom: SAM 5; Type: SAM; Serial: 1352
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 171

**15mm, Middle PHF/Area Scan (61x111x1):** Measurement grid: dx=10mm, dy=10mm  
 Maximum value of SAR (interpolated) = 0.737 mW/g

**15mm, Middle PHF/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

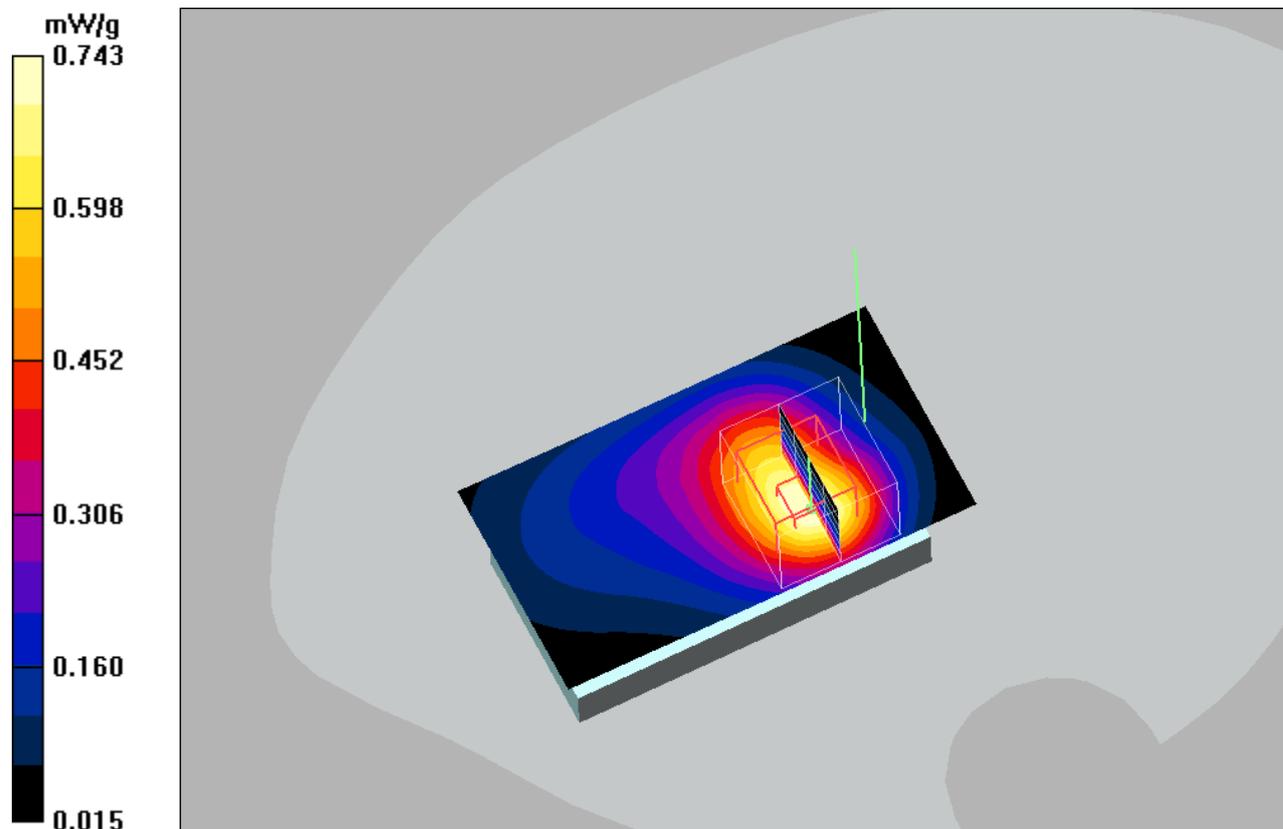
Reference Value = 11.1 V/m; Power Drift = -0.076 dB

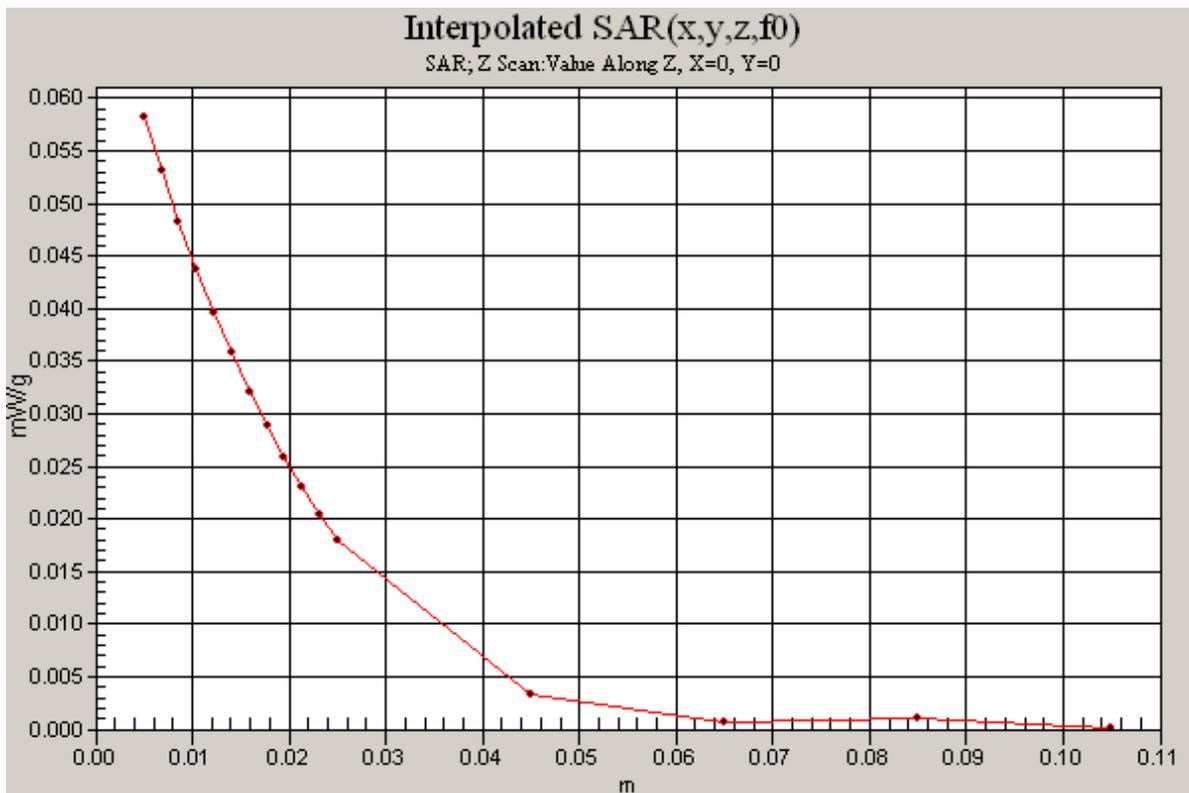
Peak SAR (extrapolated) = 1.10 W/kg

**SAR(1 g) = 0.676 mW/g; SAR(10 g) = 0.402 mW/g**

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

**15mm, Middle PHF/Z Scan (1x1x16):** Measurement grid: dx=20mm, dy=20mm, dz=20mm  
 Maximum value of SAR (interpolated) = 0.058 mW/g





Date/Time: 2009-03-20 13:56:53

Test Laboratory: Sony Ericsson Mobile Communications  
 File Name: [Voice\\_15mm\\_UMTS5\\_090320\\_RP.da4](#)

**DUT: PY7A3880035 (W995a) ; Type: GSM+UMTS+Wlan; Serial: #14710**  
**Program Name: SAR Measurement on the Body**

Communication System: UMTS\_band5; Frequency: 836.6 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 0.988$  mho/m;  $\epsilon_r = 53.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1569; ConvF(6.22, 6.22, 6.22); Calibrated: 2009-01-12
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn428; Calibrated: 2009-01-09
- Phantom: SAM 5; Type: SAM; Serial: 1352
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 171

**15mm, Middle BT/Area Scan (61x111x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.669 mW/g

**15mm, Middle BT/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.1 V/m; Power Drift = -0.029 dB

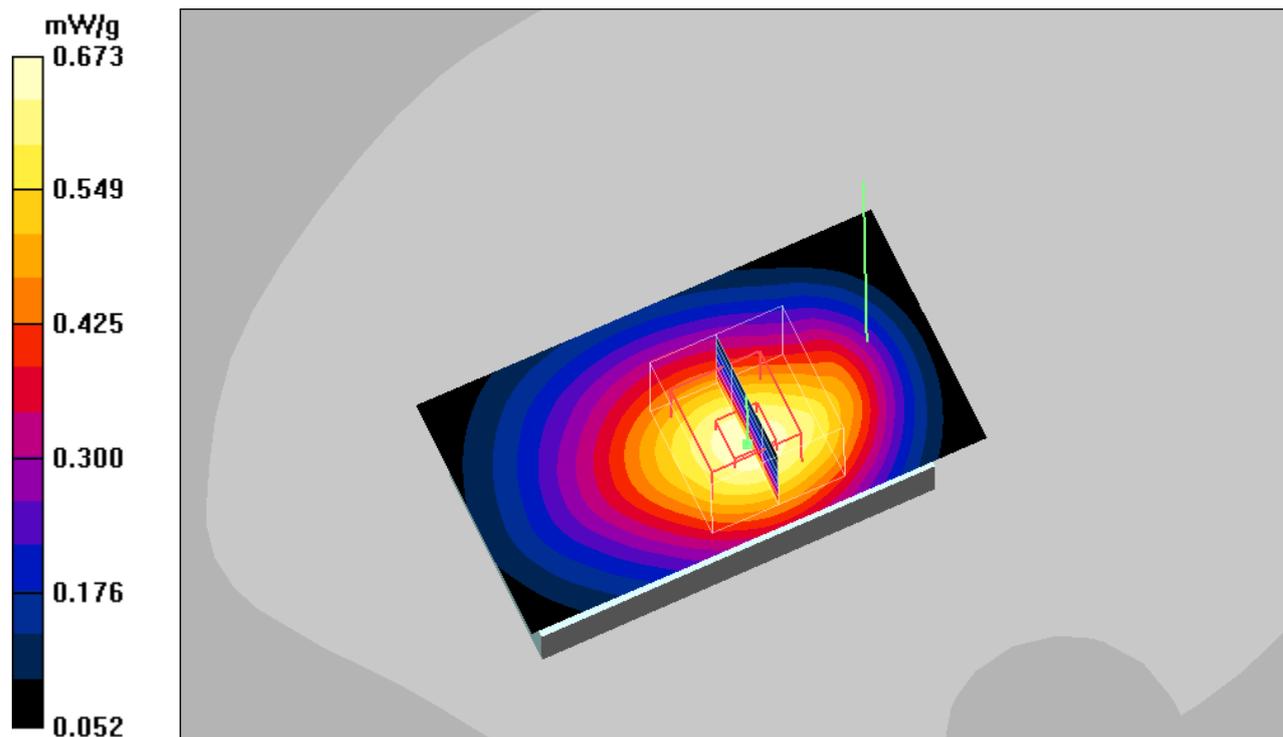
Peak SAR (extrapolated) = 0.828 W/kg

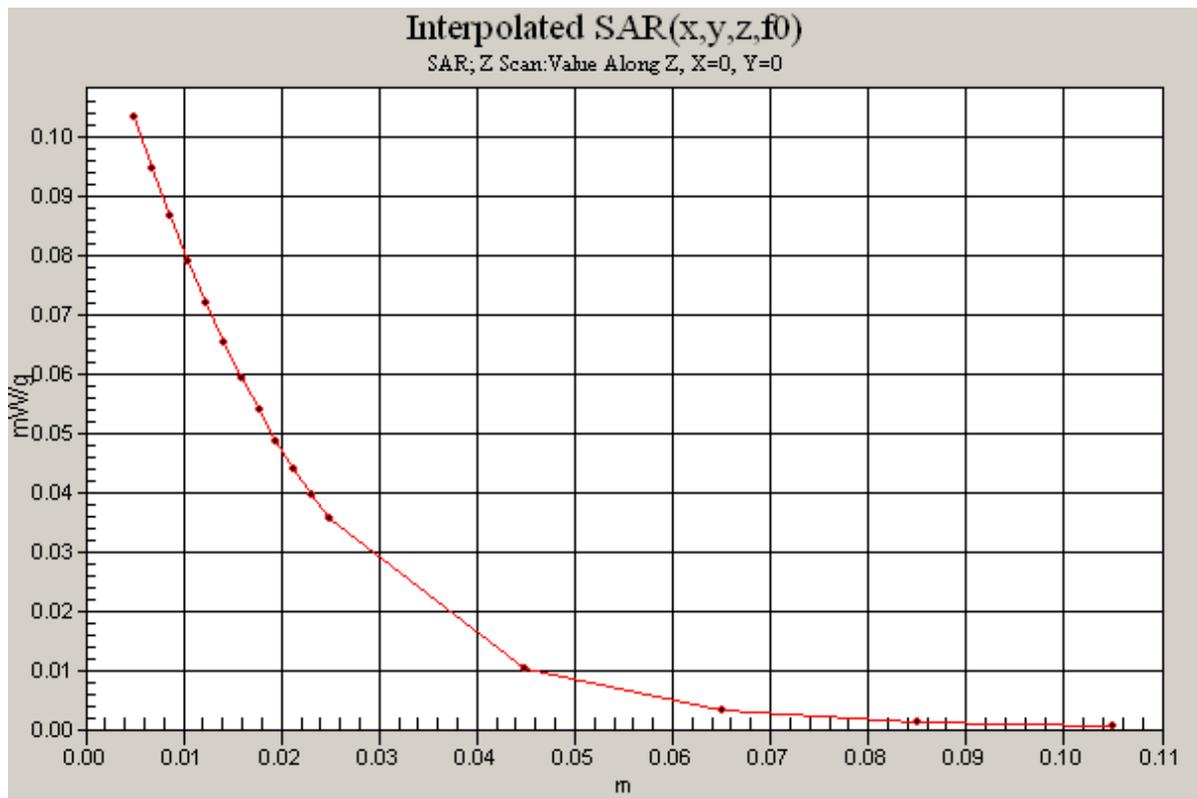
**SAR(1 g) = 0.625 mW/g; SAR(10 g) = 0.436 mW/g**

Maximum value of SAR (measured) = 0.673 mW/g

**15mm, Middle BT/Z Scan (1x1x16):** Measurement grid: dx=20mm, dy=20mm, dz=20mm

Maximum value of SAR (interpolated) = 0.103 mW/g





Date/Time: 2009-03-19 11:36:40

Test Laboratory: Sony Ericsson Mobile Communications  
 File Name: [Voice\\_15mm\\_UMTS2\\_090319\\_RP.da4](#)

**DUT: PY7A3880035 (W995a) ; Type: GSM+UMTS+Wlan; Serial: #14710**  
**Program Name: SAR Measurement on the Body**

Communication System: UMTS\_band2; Frequency: 1880 MHz; Duty Cycle: 1:1  
 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.57$  mho/m;  $\epsilon_r = 53.6$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1569; ConvF(4.42, 4.42, 4.42); Calibrated: 2009-01-12
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn428; Calibrated: 2009-01-09
- Phantom: SAM 5; Type: SAM; Serial: 1352
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 171

**15mm, Middle BT/Area Scan (61x111x1):** Measurement grid: dx=10mm, dy=10mm

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

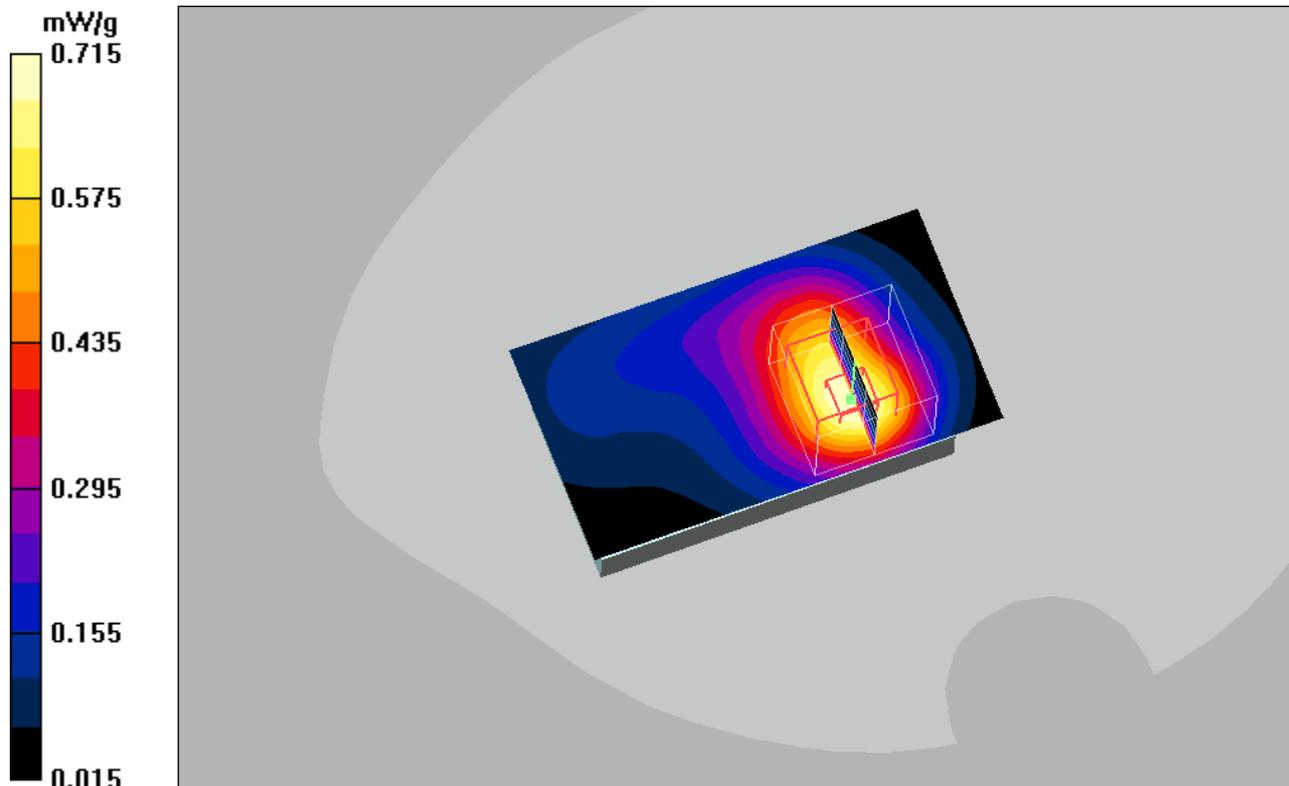
**15mm, Middle BT/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.4 V/m; Power Drift = -0.162 dB

Peak SAR (extrapolated) = 1.06 W/kg

**SAR(1 g) = 0.652 mW/g; SAR(10 g) = 0.387 mW/g**

Maximum value of SAR (measured) = 0.715 mW/g



Date/Time: 2009-03-24 10:20:04

Test Laboratory: Sony Ericsson Mobile Communications

File Name: [Verification Measurement\\_2450MHz\\_Head\\_090324.da4](#)**DUT: Dipole 2450 MHz; Type: D2450V2; Serial: D2450V2 - SN:745****Program Name: Verification Measurement on 2450MHz with HSL**

Communication System: CW; Frequency: 2450 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2450$  MHz;  $\sigma = 1.89$  mho/m;  $\epsilon_r = 38.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1569; ConvF(4.32, 4.32, 4.32); Calibrated: 2009-01-12

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

- Electronics: DAE3 Sn428; Calibrated: 2009-01-09

- Phantom: SAM 5; Type: SAM; Serial: 1352

- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 171

**P=100mW, 15mm distance/Area Scan (61x71x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 6.77 mW/g

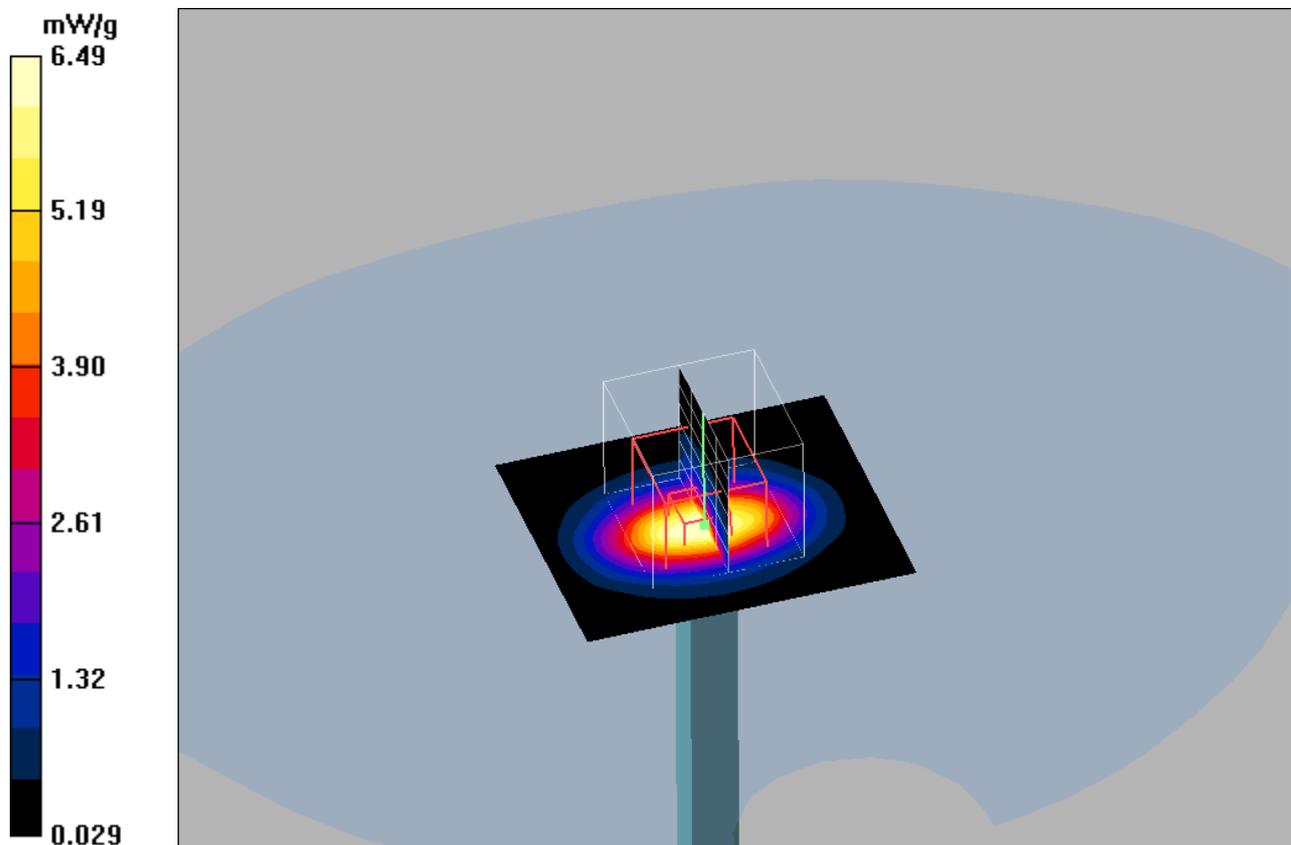
**P=100mW, 15mm distance/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 60.5 V/m; Power Drift = -0.044 dB

Peak SAR (extrapolated) = 12.7 W/kg

**SAR(1 g) = 5.78 mW/g; SAR(10 g) = 2.63 mW/g**

Maximum value of SAR (measured) = 6.49 mW/g



Date/Time: 2009-03-23 15:49:38

Test Laboratory: Sony Ericsson Mobile Communications

File Name: [Verification Measurement\\_2450MHz\\_Head\\_090323.da4](#)**DUT: Dipole 2450 MHz; Type: D2450V2; Serial: D2450V2 - SN:745****Program Name: Verification Measurement on 2450MHz with HSL**

Communication System: CW; Frequency: 2450 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2450$  MHz;  $\sigma = 1.89$  mho/m;  $\epsilon_r = 38.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1569; ConvF(4.32, 4.32, 4.32); Calibrated: 2009-01-12

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

- Electronics: DAE3 Sn428; Calibrated: 2009-01-09

- Phantom: SAM 5; Type: SAM; Serial: 1352

- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 171

**P=100mW, 15mm distance 2/Area Scan (61x71x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 6.75 mW/g

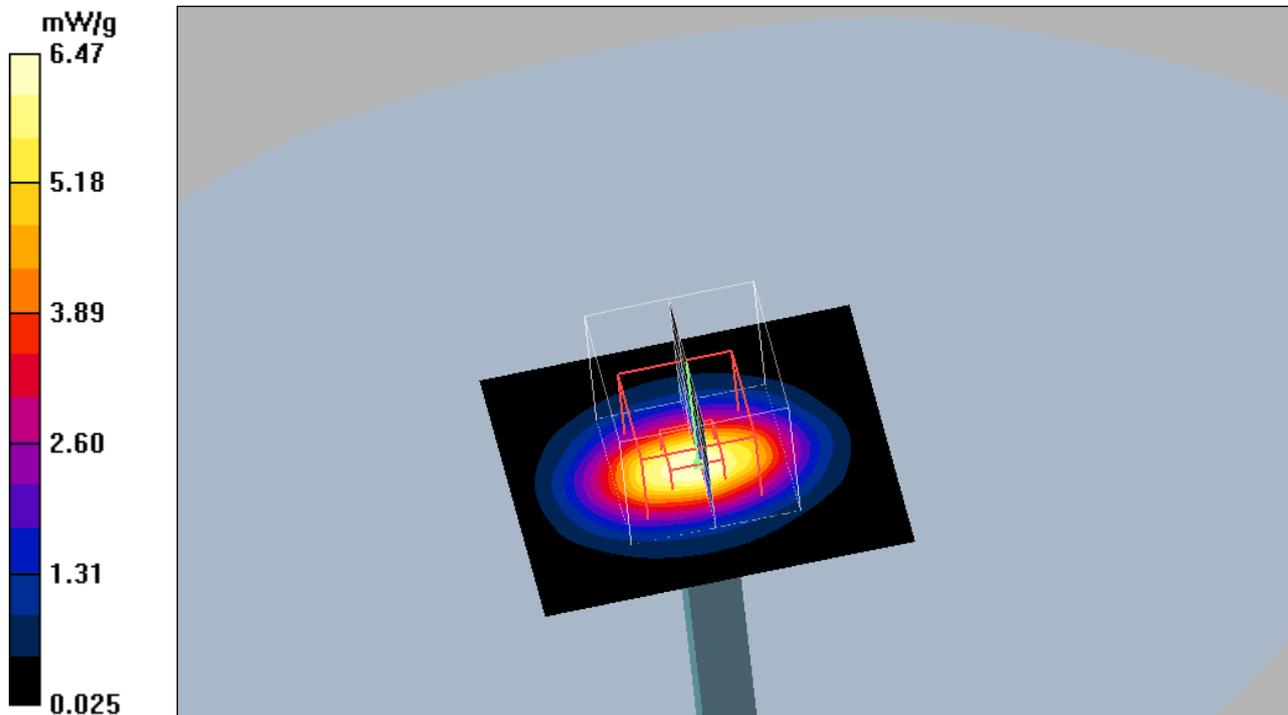
**P=100mW, 15mm distance 2/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 61.6 V/m; Power Drift = -0.019 dB

Peak SAR (extrapolated) = 13.0 W/kg

**SAR(1 g) = 5.78 mW/g; SAR(10 g) = 2.61 mW/g**

Maximum value of SAR (measured) = 6.47 mW/g



Date/Time: 2009-03-25 09:52:48

Test Laboratory: Sony Ericsson Mobile Communications

File Name: [Verification Measurement\\_2450MHz\\_Body\\_090325.da4](#)

**DUT: Dipole 2450 MHz; Type: D2450V2; Serial: D2450V2 - SN:xxx**  
**Program Name: Verification Measurement on 1900MHz with HSL**

Communication System: CW; Frequency: 2450 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2450$  MHz;  $\sigma = 1.94$  mho/m;  $\epsilon_r = 50.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1569; ConvF(3.86, 3.86, 3.86); Calibrated: 2009-01-12
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn428; Calibrated: 2009-01-09
- Phantom: SAM 5; Type: SAM; Serial: 1352
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 171

**P=100mW, 15mm distance/Area Scan (61x71x1):** Measurement grid: dx=10mm, dy=10mm  
 Maximum value of SAR (interpolated) = 6.87 mW/g

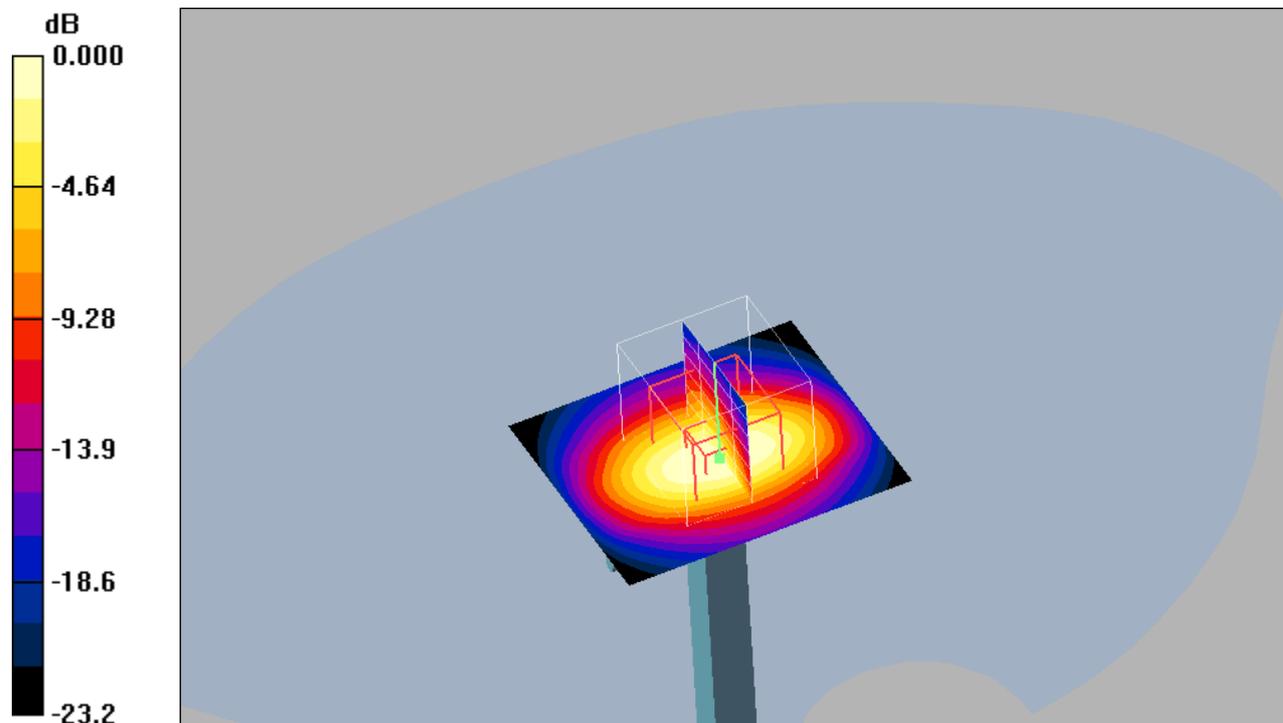
**P=100mW, 15mm distance/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 59.3 V/m; Power Drift = -0.021 dB

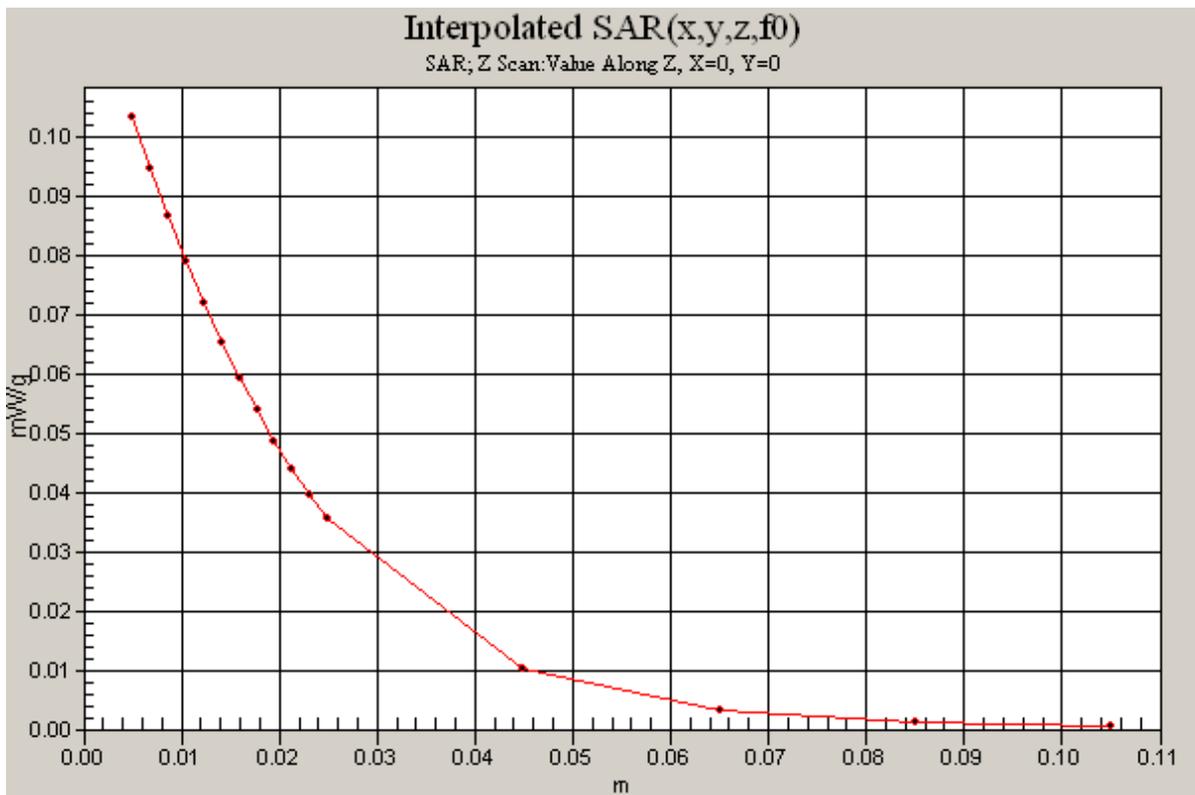
Peak SAR (extrapolated) = 13.9 W/kg

**SAR(1 g) = 5.86 mW/g; SAR(10 g) = 2.62 mW/g**

Maximum value of SAR (measured) = 6.39 mW/g



0 dB = 6.39mW/g



Date/Time: 2009-03-18 10:33:53

Test Laboratory: Sony Ericsson Mobile Communications

File Name: [Verification Measurement\\_1900MHz\\_Head\\_090318.da4](#)**DUT: Dipole 1900 MHz; Type: D1900V2; Serial: D1900V2 - SN:5d073****Program Name: Verification Measurement on 1900MHz with HSL**

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

Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.6$  mho/m;  $\epsilon_r = 53.6$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1569; ConvF(4.42, 4.42, 4.42); Calibrated: 2009-01-12
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn428; Calibrated: 2009-01-09
- Phantom: SAM 5; Type: SAM; Serial: 1352
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 171

**P=100mW, 15mm distance/Area Scan (61x81x1):** Measurement grid: dx=10mm, dy=10mm  
 Maximum value of SAR (interpolated) = 4.40 mW/g

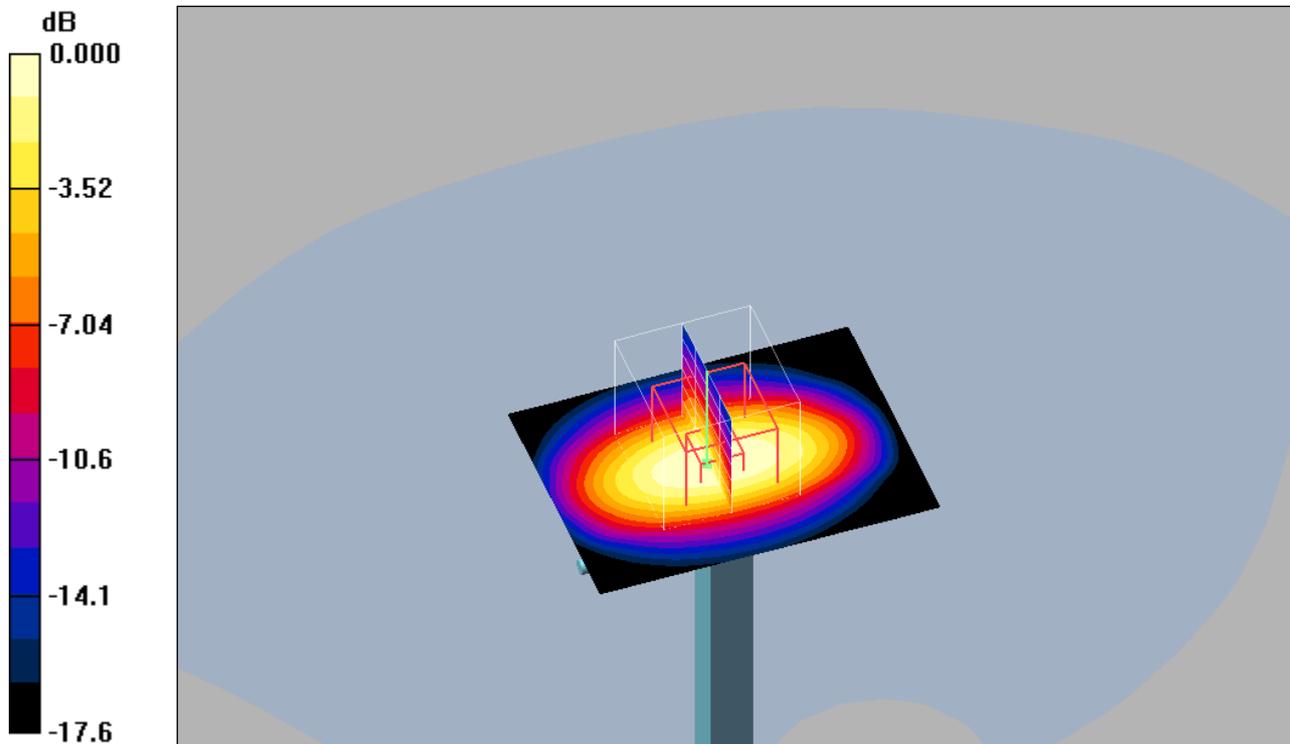
**P=100mW, 15mm distance/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 55.9 V/m; Power Drift = -0.011 dB

Peak SAR (extrapolated) = 6.51 W/kg

**SAR(1 g) = 3.83 mW/g; SAR(10 g) = 2.03 mW/g**

Maximum value of SAR (measured) = 4.30 mW/g



0 dB = 4.30mW/g

Date/Time: 2009-03-17 08:55:15

Test Laboratory: Sony Ericsson Mobile Communications

File Name: [Verification Measurement\\_1900MHz\\_Head\\_090317.da4](#)**DUT: Dipole 1900 MHz; Type: D1900V2; Serial: D1900V2 - SN:5d073****Program Name: Verification Measurement on 1900MHz with HSL**

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

Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.46$  mho/m;  $\epsilon_r = 38.4$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1569; ConvF(4.99, 4.99, 4.99); Calibrated: 2009-01-12
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn428; Calibrated: 2009-01-09
- Phantom: SAM 5; Type: SAM; Serial: 1352
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 171

**P=100mW, 15mm distance/Area Scan (61x81x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 4.45 mW/g

**P=100mW, 15mm distance/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm,

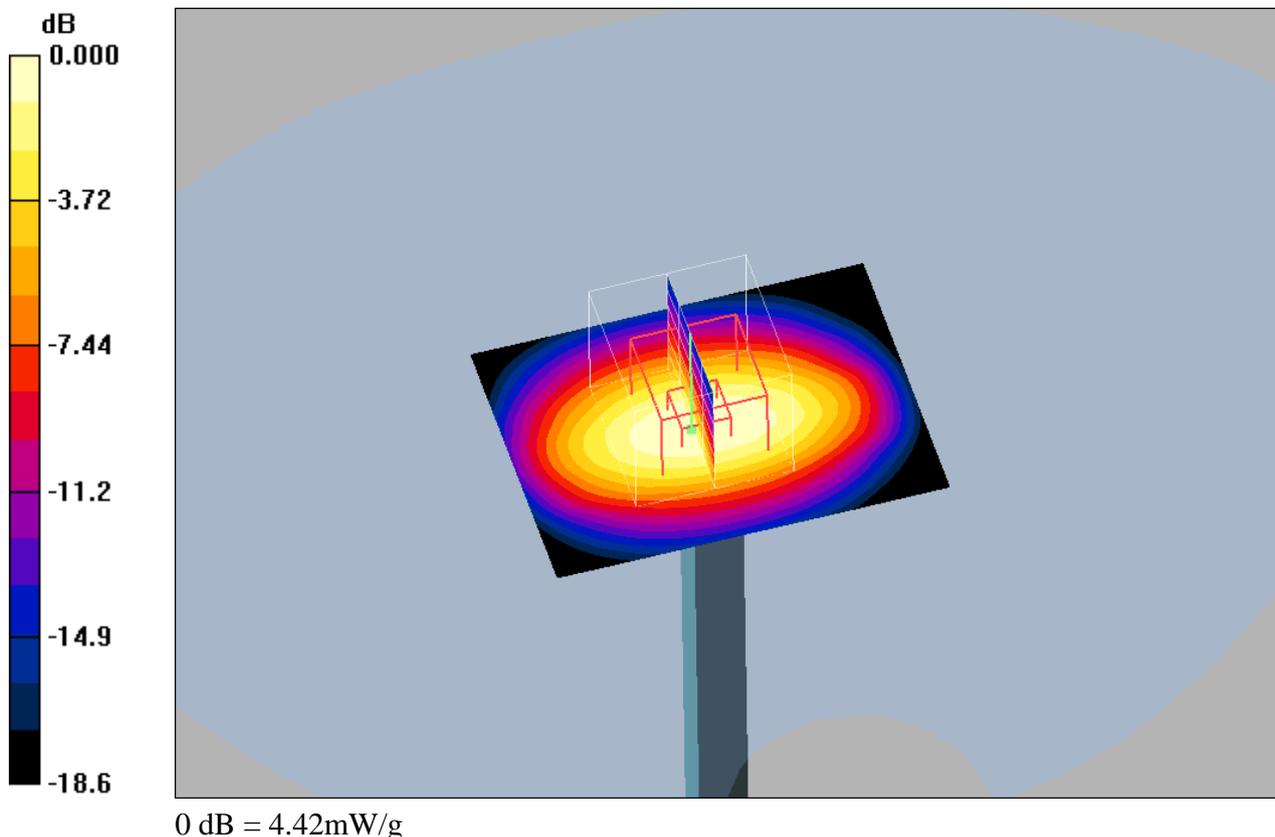
dy=8mm, dz=5mm

Reference Value = 58.8 V/m; Power Drift = -0.008 dB

Peak SAR (extrapolated) = 6.65 W/kg

**SAR(1 g) = 3.91 mW/g; SAR(10 g) = 2.04 mW/g**

Maximum value of SAR (measured) = 4.42 mW/g



Date/Time: 2009-03-16 09:17:48

Test Laboratory: Sony Ericsson Mobile Communications

File Name: [Verification Measurement\\_1900MHz\\_Head\\_090316.da4](#)**DUT: Dipole 1900 MHz; Type: D1900V2; Serial: D1900V2 - SN:5d073****Program Name: Verification Measurement on 1900MHz with HSL**

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

Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.46$  mho/m;  $\epsilon_r = 38.4$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1569; ConvF(4.99, 4.99, 4.99); Calibrated: 2009-01-12
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn428; Calibrated: 2009-01-09
- Phantom: SAM 5; Type: SAM; Serial: 1352
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 171

**P=100mW, 15mm distance/Area Scan (61x81x1):** Measurement grid: dx=10mm, dy=10mm  
 Maximum value of SAR (interpolated) = 4.30 mW/g

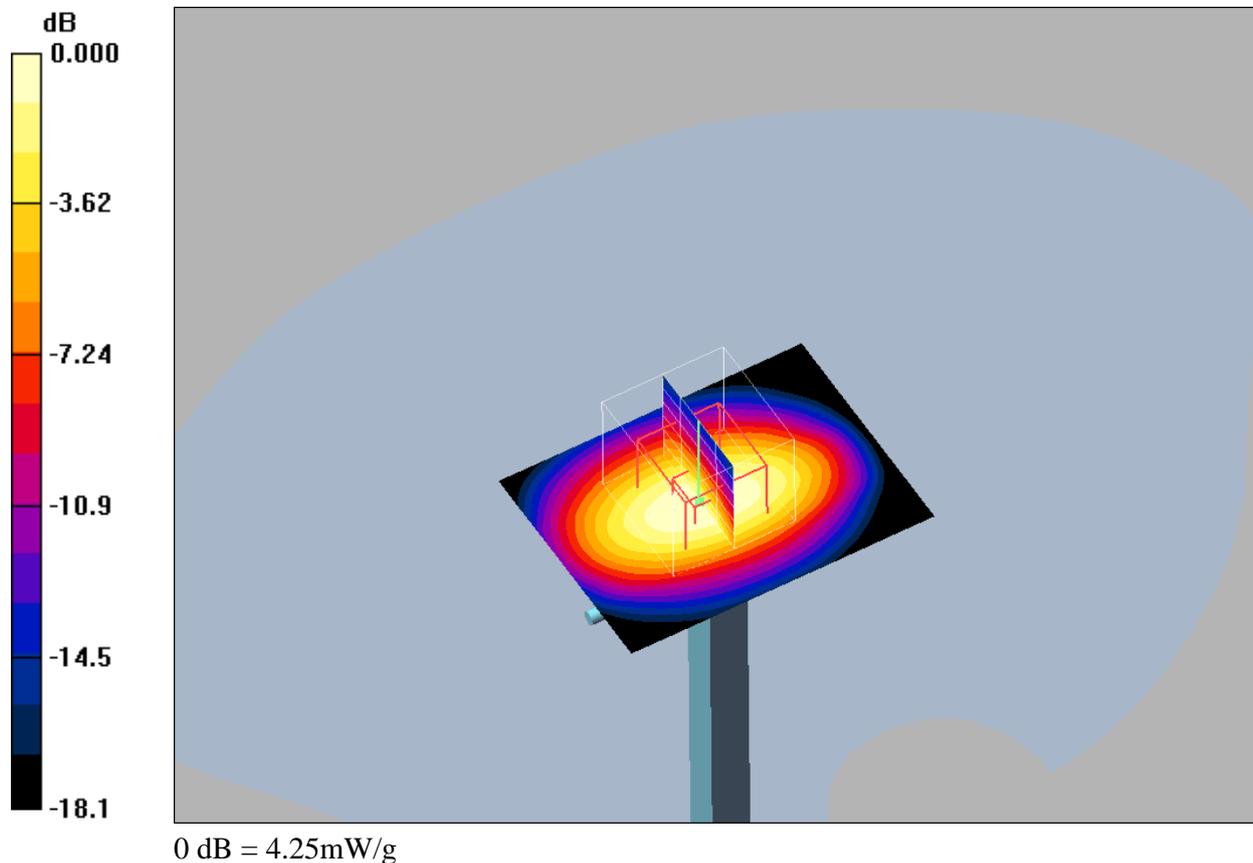
**P=100mW, 15mm distance/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 57.2 V/m; Power Drift = -0.019 dB

Peak SAR (extrapolated) = 6.33 W/kg

**SAR(1 g) = 3.75 mW/g; SAR(10 g) = 1.97 mW/g**

Maximum value of SAR (measured) = 4.25 mW/g



Date/Time: 2009-03-19 09:18:24

Test Laboratory: Sony Ericsson Mobile Communications

File Name: [Verification Measurement 1900MHz Body\\_090319.da4](#)**DUT: Dipole 1900 MHz; Type: D1900V2; Serial: D1900V2 - SN:5d073****Program Name: Verification Measurement on 1900MHz with BSL**

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

Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.6$  mho/m;  $\epsilon_r = 53.6$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1569; ConvF(4.42, 4.42, 4.42); Calibrated: 2009-01-12

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

- Electronics: DAE3 Sn428; Calibrated: 2009-01-09

- Phantom: SAM 5; Type: SAM; Serial: 1352

- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 171

**P=100mW, 15mm distance/Area Scan (61x81x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 4.50 mW/g

**P=100mW, 15mm distance/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm,

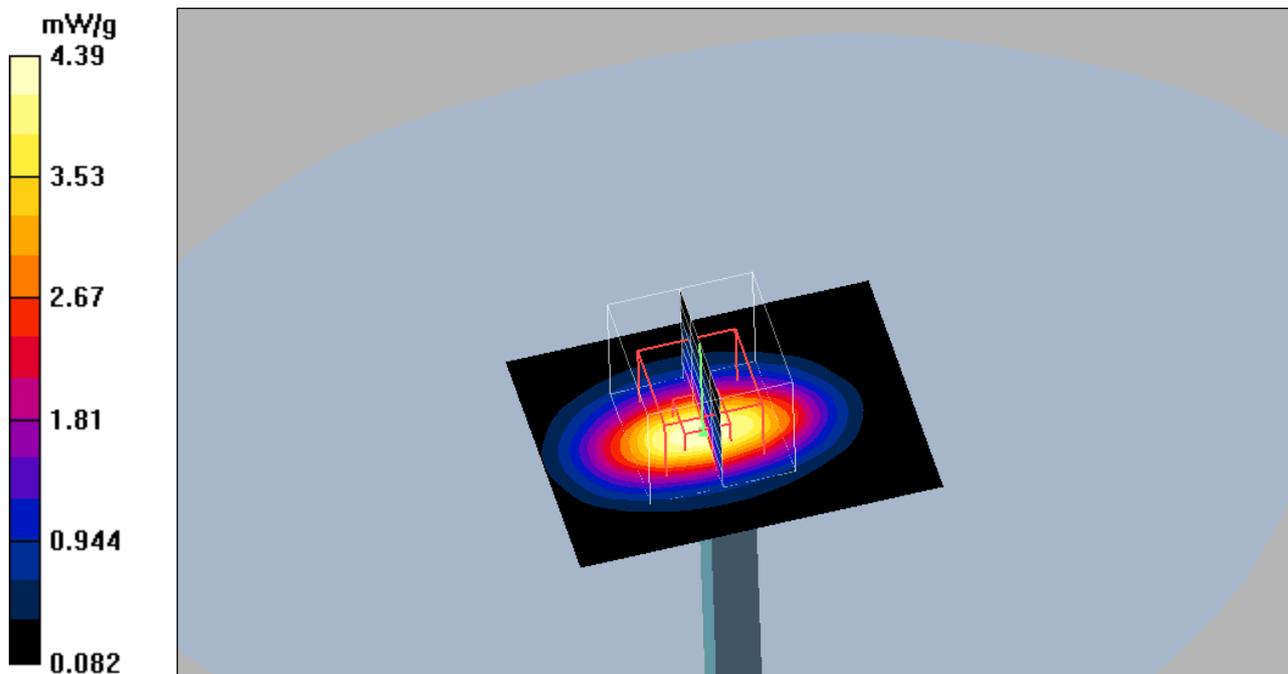
dy=8mm, dz=5mm

Reference Value = 55.3 V/m; Power Drift = -0.019 dB

Peak SAR (extrapolated) = 6.57 W/kg

**SAR(1 g) = 3.9 mW/g; SAR(10 g) = 2.05 mW/g**

Maximum value of SAR (measured) = 4.39 mW/g



Date/Time: 2009-03-05 09:23:09

Test Laboratory: Sony Ericsson Mobile Communications

File Name: [Verification Measurement 835MHz Head\\_090305.da4](#)**DUT: Dipole 835 MHz; Type: D835V2; Serial: 4d039****Program Name: Verification Measurement on 835MHz with HSL**

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

Medium parameters used:  $f = 835 \text{ MHz}$ ;  $\sigma = 0.888 \text{ mho/m}$ ;  $\epsilon_r = 42.1$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1569; ConvF(6.36, 6.36, 6.36); Calibrated: 2009-01-12
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn428; Calibrated: 2009-01-09
- Phantom: SAM 6; Type: SAM; Serial: 1351
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 171

**P=100mW, 15mm distance/Area Scan (61x101x1):** Measurement grid: dx=10mm, dy=10mm

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

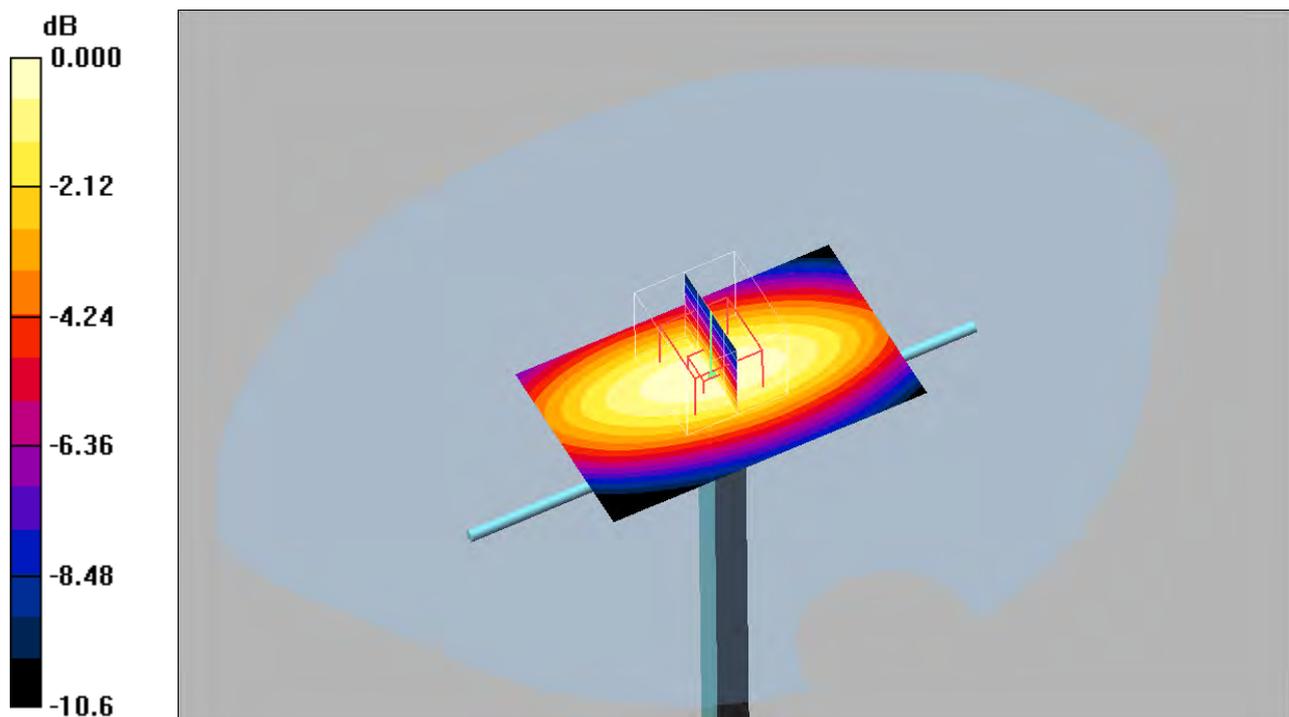
**P=100mW, 15mm distance/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 34.8 V/m; Power Drift = -0.021 dB

Peak SAR (extrapolated) = 1.43 W/kg

**SAR(1 g) = 0.980 mW/g; SAR(10 g) = 0.643 mW/g**

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



0 dB = 1.06mW/g

Date/Time: 2009-03-04 10:20:35

Test Laboratory: Sony Ericsson Mobile Communications

File Name: [Verification Measurement 835MHz Head\\_090304.da4](#)**DUT: Dipole 835 MHz; Type: D835V2; Serial: 4d039****Program Name: Verification Measurement on 835MHz with HSL**

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

Medium parameters used:  $f = 835$  MHz;  $\sigma = 0.888$  mho/m;  $\epsilon_r = 42.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1569; ConvF(6.36, 6.36, 6.36); Calibrated: 2009-01-12

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

- Electronics: DAE3 Sn428; Calibrated: 2009-01-09

- Phantom: SAM 6; Type: SAM; Serial: 1351

- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 171

**P=100mW, 15mm distance/Area Scan (61x101x1):** Measurement grid: dx=10mm, dy=10mm

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

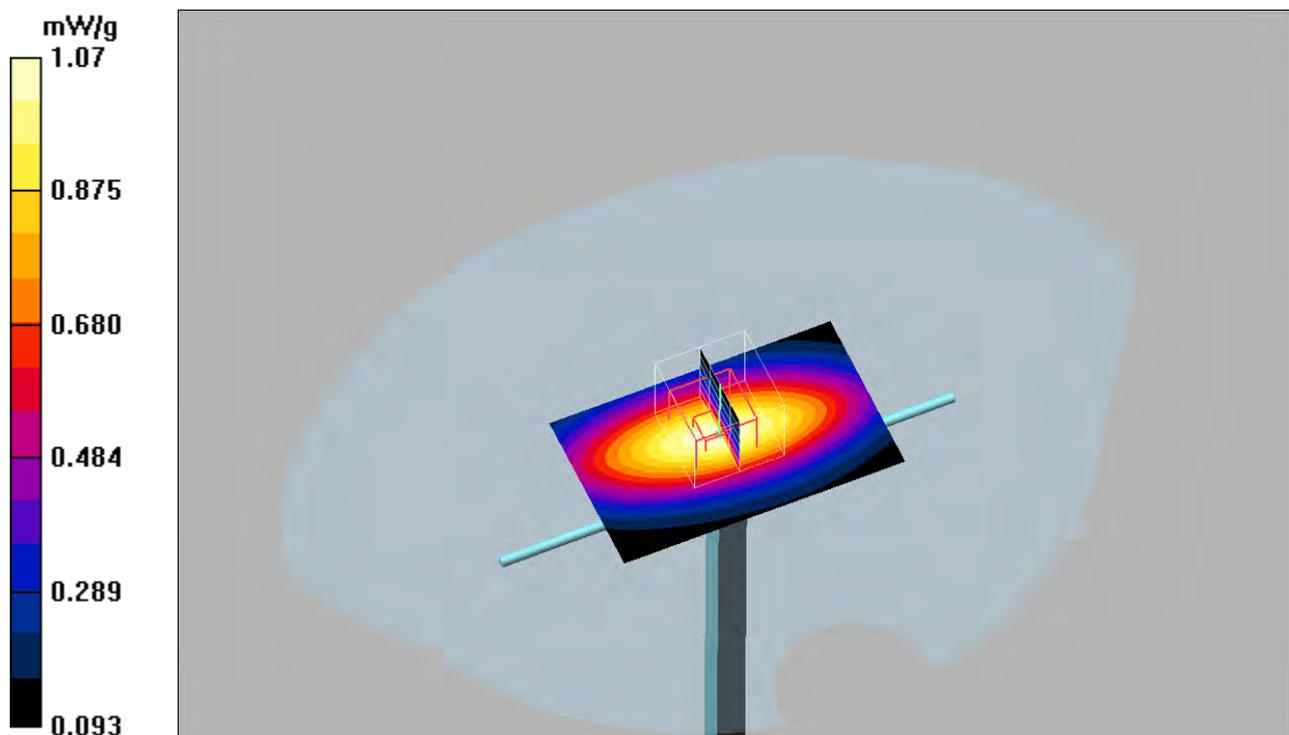
**P=100mW, 15mm distance/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 34.9 V/m; Power Drift = -0.026 dB

Peak SAR (extrapolated) = 1.44 W/kg

**SAR(1 g) = 0.990 mW/g; SAR(10 g) = 0.648 mW/g**

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



Date/Time: 2009-03-20 09:05:29

Test Laboratory: Sony Ericsson Mobile Communications

File Name: [Verification Measurement\\_835MHz\\_Body\\_090320.da4](#)**DUT: Dipole 835 MHz; Type: D835V2; Serial: D835V2 - SN:4d039****Program Name: Verification Measurement on 835MHz with BSL**

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

Medium parameters used:  $f = 835 \text{ MHz}$ ;  $\sigma = 0.987 \text{ mho/m}$ ;  $\epsilon_r = 53.3$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1569; ConvF(6.22, 6.22, 6.22); Calibrated: 2009-01-12

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

- Electronics: DAE3 Sn428; Calibrated: 2009-01-09

- Phantom: SAM 5; Type: SAM; Serial: 1352

- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 171

**P=100mW, 15mm distance/Area Scan (61x101x1):** Measurement grid: dx=10mm, dy=10mm

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

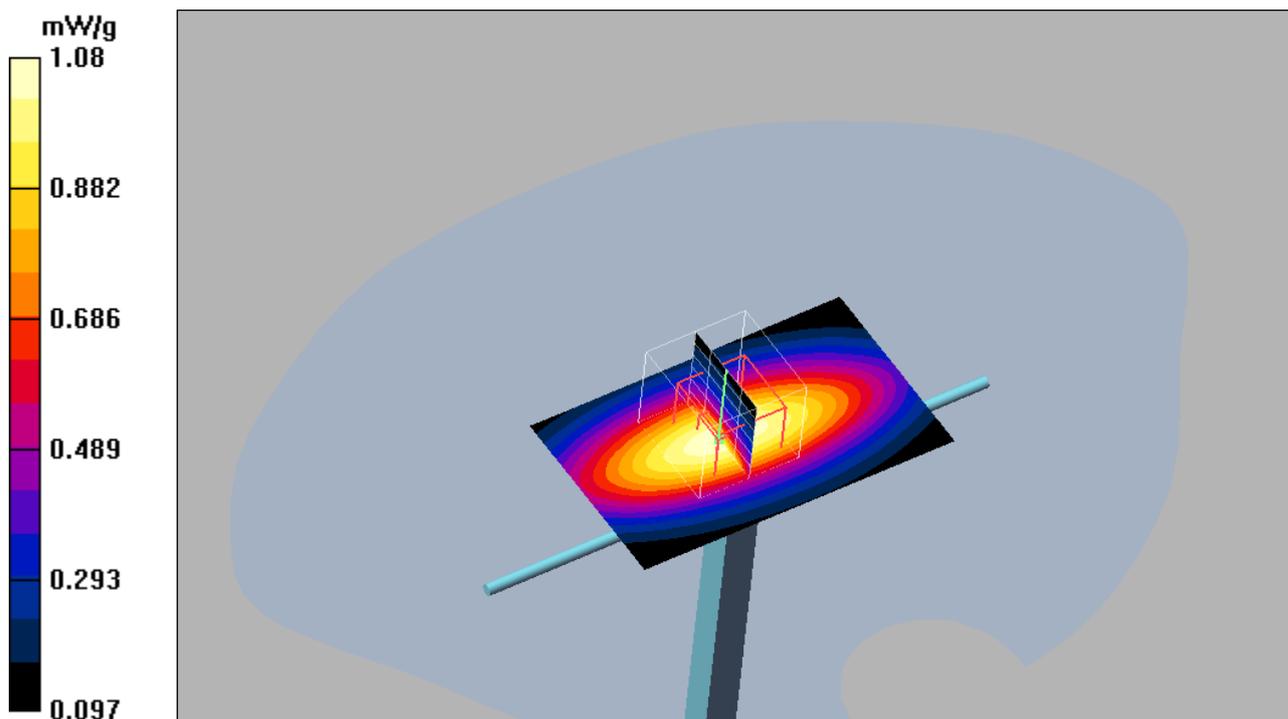
**P=100mW, 15mm distance/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 34.2 V/m; Power Drift = -0.014 dB

Peak SAR (extrapolated) = 1.40 W/kg

**SAR(1 g) = 0.995 mW/g; SAR(10 g) = 0.657 mW/g**

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



Date/Time: 2009-03-19 17:41:19

Test Laboratory: Sony Ericsson Mobile Communications  
 File Name: [Verification Measurement 835MHz Body\\_090319.da4](#)

**DUT: Dipole 835 MHz; Type: D835V2; Serial: D835V2 - SN:4d039**  
**Program Name: Verification Measurement on 835MHz with BSL**

Communication System: CW; Frequency: 835 MHz; Duty Cycle: 1:1  
 Medium parameters used:  $f = 835 \text{ MHz}$ ;  $\sigma = 0.987 \text{ mho/m}$ ;  $\epsilon_r = 53.3$ ;  $\rho = 1000 \text{ kg/m}^3$   
 Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1569; ConvF(6.22, 6.22, 6.22); Calibrated: 2009-01-12
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn428; Calibrated: 2009-01-09
- Phantom: SAM 5; Type: SAM; Serial: 1352
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 171

**P=100mW, 15mm distance/Area Scan (61x101x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$   
 Maximum value of SAR (interpolated) = 1.08 mW/g

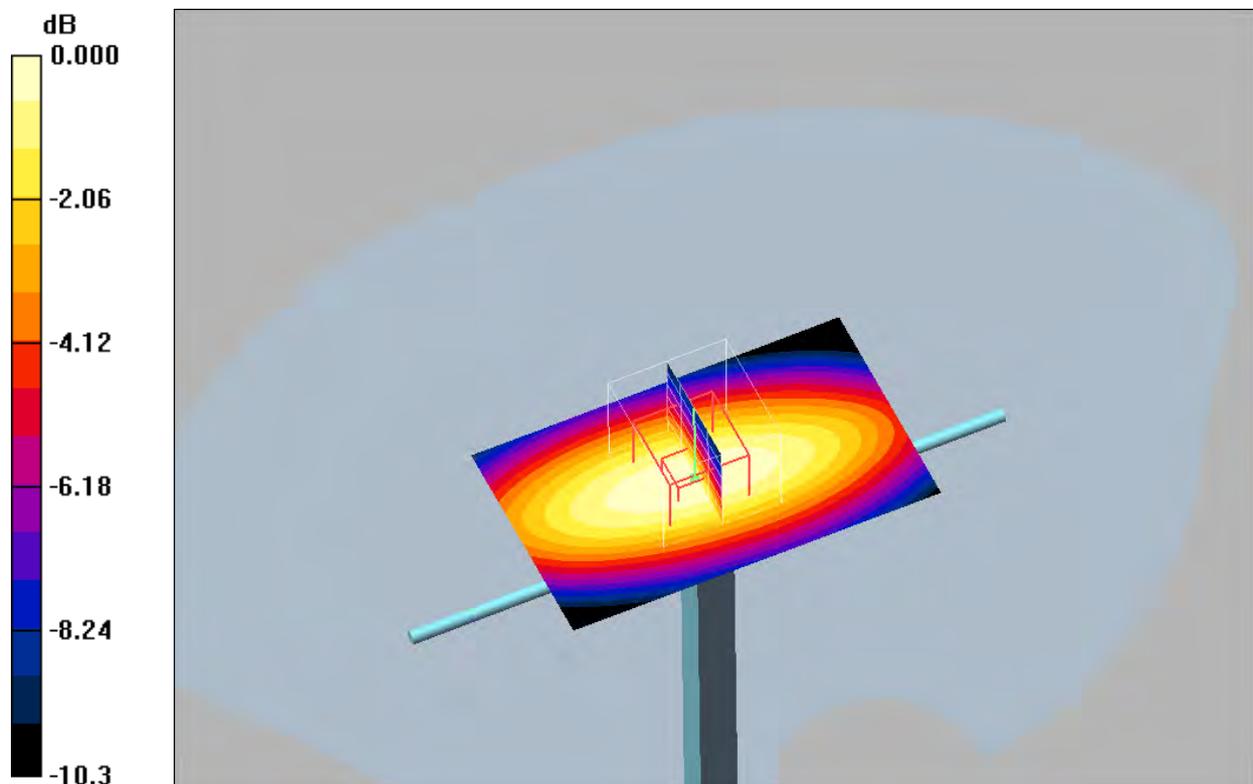
**P=100mW, 15mm distance/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  
 $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 34.3 V/m; Power Drift = -0.021 dB

Peak SAR (extrapolated) = 1.40 W/kg

**SAR(1 g) = 0.994 mW/g; SAR(10 g) = 0.658 mW/g**

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



0 dB = 1.08mW/g

Date/Time: 2009-03-19 12:24:20

Test Laboratory: Sony Ericsson Mobile Communications  
File Name: [Speech\\_15mm\\_GSM1900\\_090318\\_RP.da4](#)

**DUT: PY7A3880035 (W995a) ; Type: GSM+UMTS+Wlan; Serial: #14710**  
**Program Name: SAR Measurement on the Body**

Communication System: GSM 1900; Frequency: 1880 MHz; Duty Cycle: 1:8.3  
Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.57$  mho/m;  $\epsilon_r = 53.6$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1569; ConvF(4.42, 4.42, 4.42); Calibrated: 2009-01-12
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn428; Calibrated: 2009-01-09
- Phantom: SAM 5; Type: SAM; Serial: 1352
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 171

**15mm, Mid, PHF/Area Scan (61x111x1):** Measurement grid: dx=10mm, dy=10mm  
Maximum value of SAR (interpolated) = 0.593 mW/g

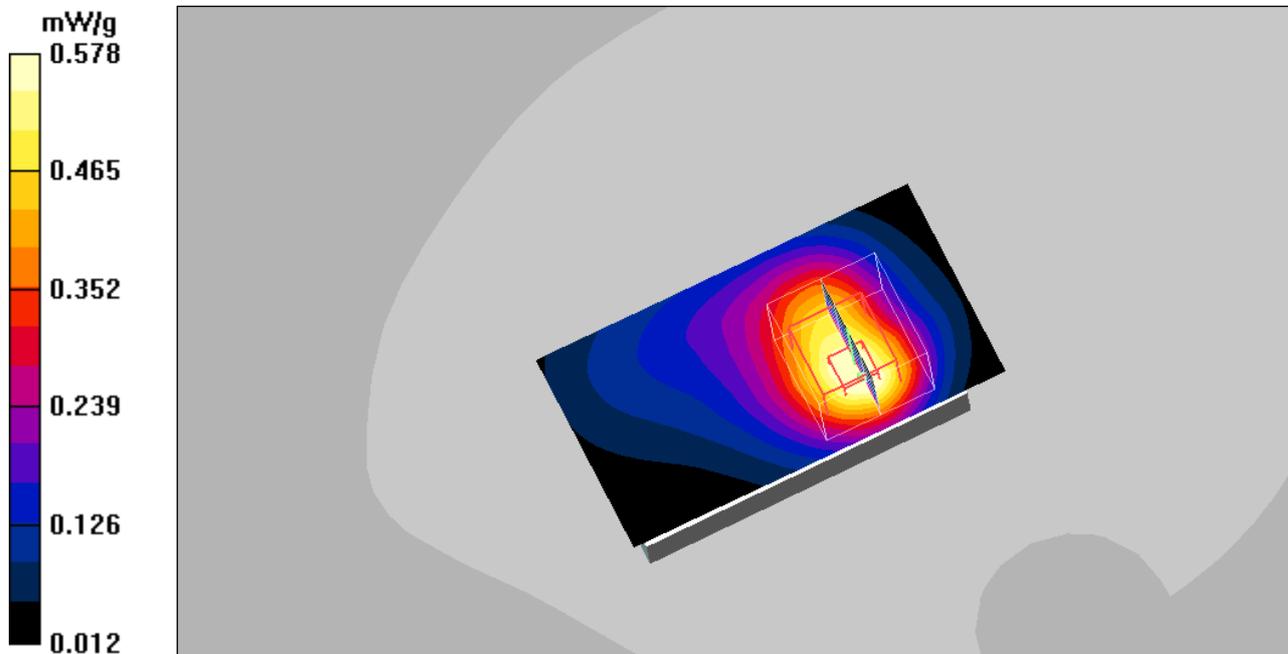
**15mm, Mid, PHF/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.8 V/m; Power Drift = 0.002 dB

Peak SAR (extrapolated) = 0.899 W/kg

**SAR(1 g) = 0.537 mW/g; SAR(10 g) = 0.316 mW/g**

Maximum value of SAR (measured) = 0.578 mW/g



Date/Time: 2009-03-20 12:00:09

Test Laboratory: Sony Ericsson Mobile Communications  
File Name: [Speech\\_15mm\\_GSM850\\_090319\\_RP.da4](#)

**DUT: PY7A3880035 (W995a) ; Type: GSM+UMTS+Wlan; Serial: #14710**  
**Program Name: SAR Measurement on the Body**

Communication System: GSM835MHz; Frequency: 848.8 MHz; Duty Cycle: 1:8.3  
Medium parameters used (interpolated):  $f = 848.8$  MHz;  $\sigma = 0.997$  mho/m;  $\epsilon_r = 53$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1569; ConvF(6.22, 6.22, 6.22); Calibrated: 2009-01-12
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn428; Calibrated: 2009-01-09
- Phantom: SAM 5; Type: SAM; Serial: 1352
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 171

**15mm,High, PHF/Area Scan (61x111x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.866 mW/g

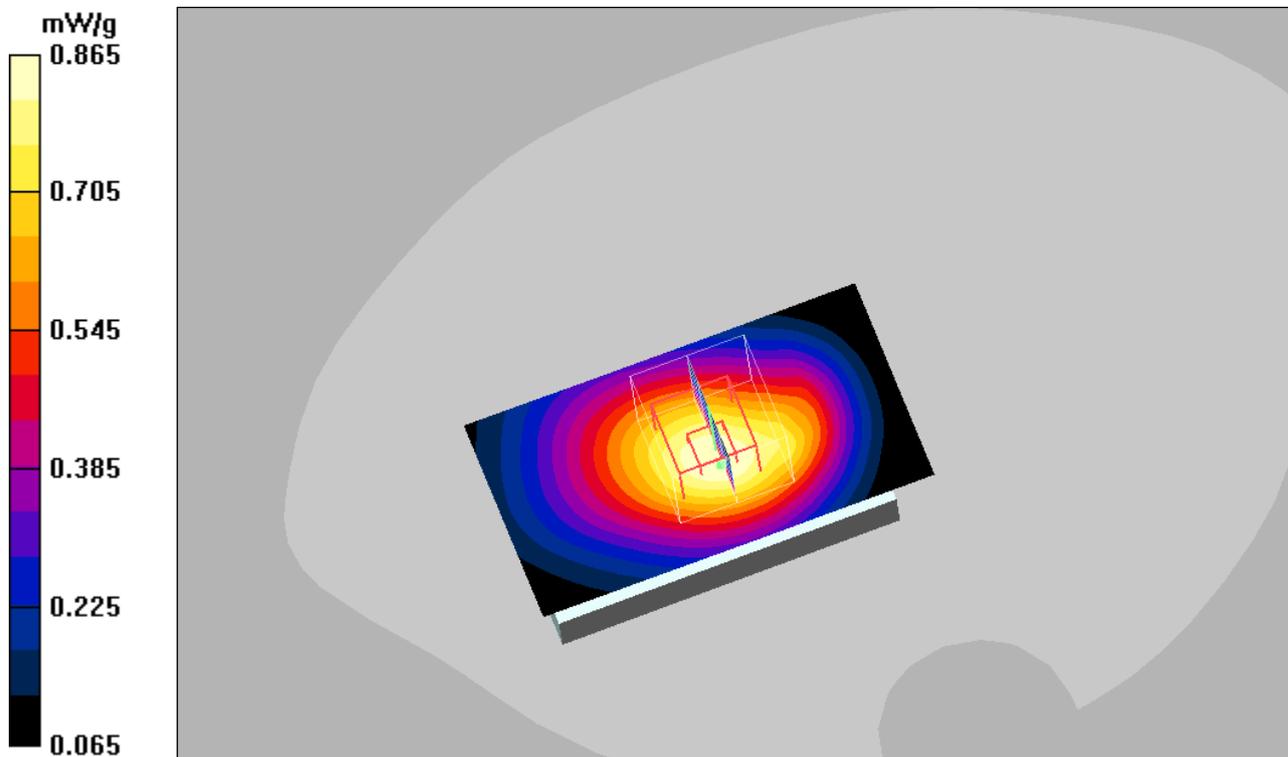
**15mm,High, PHF/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.7 V/m; Power Drift = 0.039 dB

Peak SAR (extrapolated) = 1.07 W/kg

**SAR(1 g) = 0.807 mW/g; SAR(10 g) = 0.564 mW/g**

Maximum value of SAR (measured) = 0.865 mW/g



Date/Time: 2009-03-18 13:32:35

Test Laboratory: Sony Ericsson Mobile Communications  
 File Name: [Speech\\_15mm\\_GSM1900\\_090318\\_RP.da4](#)

**DUT: PY7A3880035 (W995a) ; Type: GSM+UMTS+Wlan; Serial: #14710**  
**Program Name: SAR Measurement on the Body**

Communication System: GSM 1900; Frequency: 1880 MHz; Duty Cycle: 1:8.3  
 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.57$  mho/m;  $\epsilon_r = 53.6$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1569; ConvF(4.42, 4.42, 4.42); Calibrated: 2009-01-12
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn428; Calibrated: 2009-01-09
- Phantom: SAM 5; Type: SAM; Serial: 1352
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 171

**15mm, Mid, BT/Area Scan (61x111x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.580 mW/g

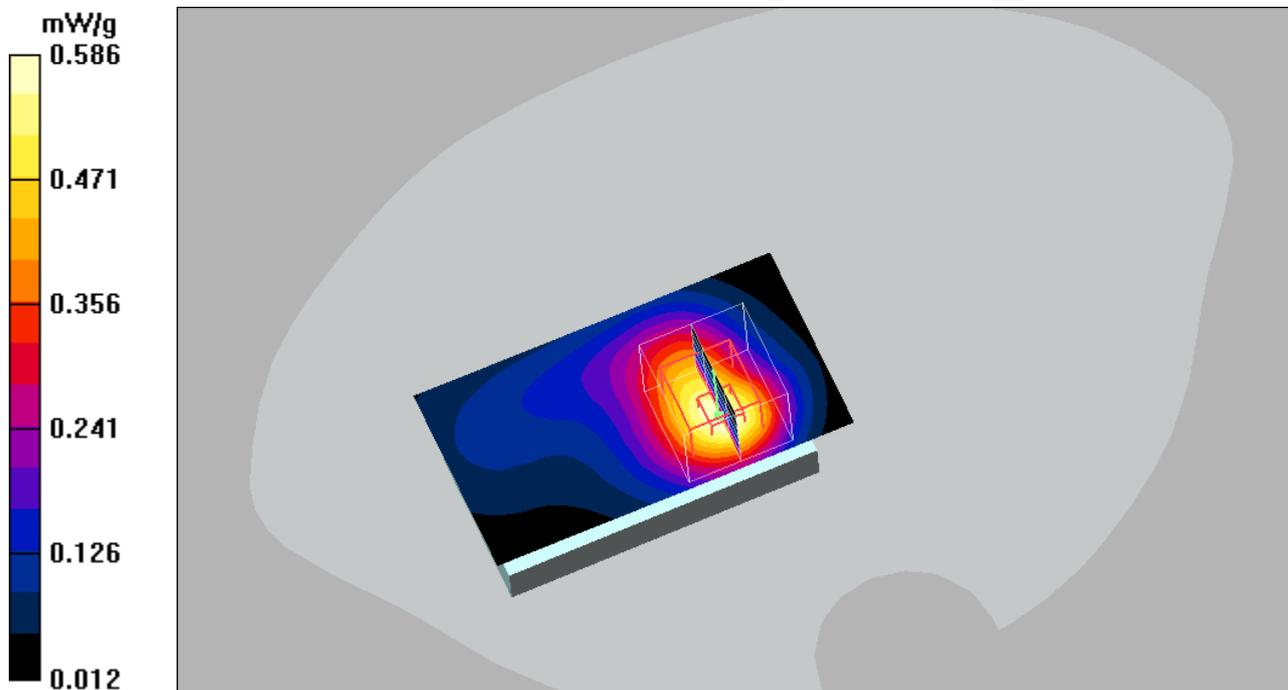
**15mm, Mid, BT/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.9 V/m; Power Drift = -0.086 dB

Peak SAR (extrapolated) = 0.888 W/kg

**SAR(1 g) = 0.533 mW/g; SAR(10 g) = 0.310 mW/g**

Maximum value of SAR (measured) = 0.586 mW/g



Date/Time: 2009-03-20 12:36:10

Test Laboratory: Sony Ericsson Mobile Communications  
File Name: [Speech\\_15mm\\_GSM850\\_090319\\_RP.da4](#)

**DUT: PY7A3880035 (W995a) ; Type: GSM+UMTS+Wlan; Serial: #14710**  
**Program Name: SAR Measurement on the Body**

Communication System: GSM835MHz; Frequency: 848.8 MHz; Duty Cycle: 1:8.3  
Medium parameters used (interpolated):  $f = 848.8$  MHz;  $\sigma = 0.997$  mho/m;  $\epsilon_r = 53$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1569; ConvF(6.22, 6.22, 6.22); Calibrated: 2009-01-12
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn428; Calibrated: 2009-01-09
- Phantom: SAM 5; Type: SAM; Serial: 1352
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 171

**15mm, High, BT/Area Scan (61x111x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.889 mW/g

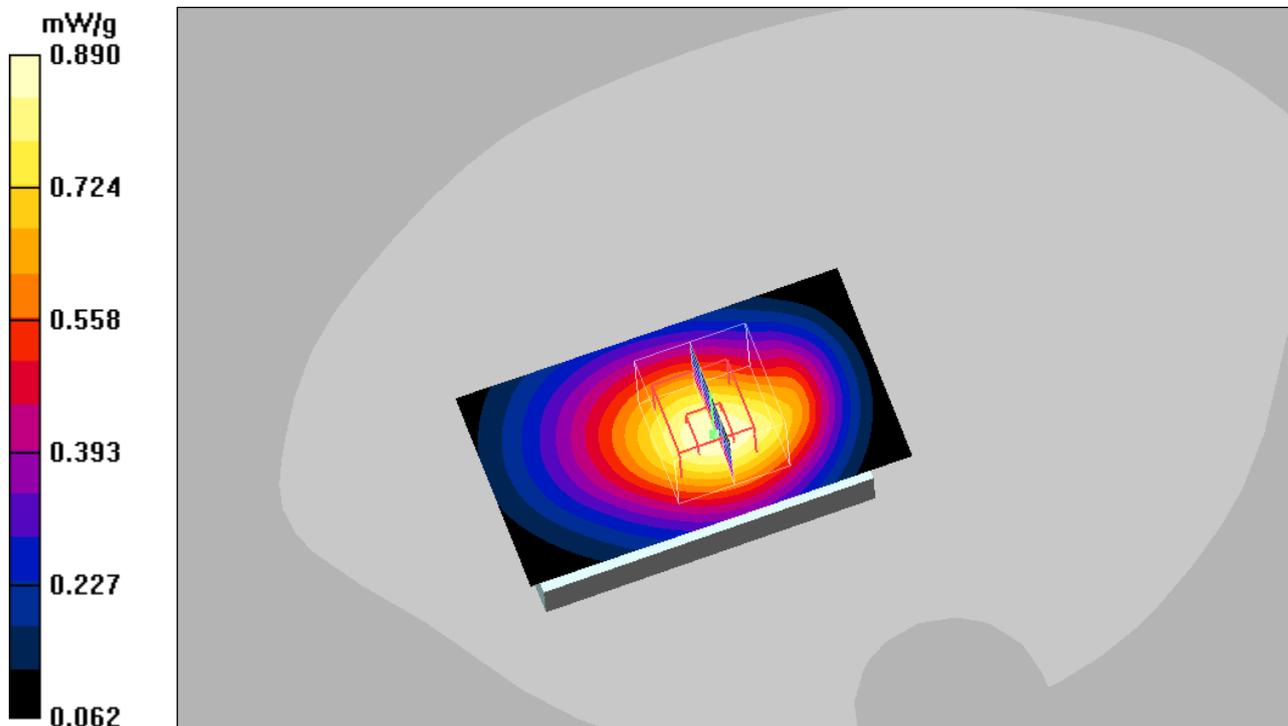
**15mm, High, BT/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 20.7 V/m; Power Drift = 0.011 dB

Peak SAR (extrapolated) = 1.10 W/kg

**SAR(1 g) = 0.827 mW/g; SAR(10 g) = 0.573 mW/g**

Maximum value of SAR (measured) = 0.890 mW/g



Date/Time: 2009-03-24 13:15:18

Test Laboratory: Sony Ericsson Mobile Communications  
 File Name: [Open\\_right\\_WLAN\\_090324\\_RP.da4](#)

**DUT: PY7A3880035 (W995a) ; Type: GSM+UMTS+Wlan; Serial: #14713**  
**Program Name: SAR Measurement on the Head**

Communication System: WLAN; Frequency: 2437 MHz; Duty Cycle: 1:1  
 Medium parameters used (interpolated):  $f = 2437$  MHz;  $\sigma = 1.89$  mho/m;  $\epsilon_r = 38.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1569; ConvF(4.32, 4.32, 4.32); Calibrated: 2009-01-12
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)) Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn428; Calibrated: 2009-01-09
- Phantom: SAM 5; Type: SAM; Serial: 1352
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 171

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

Maximum value of SAR (interpolated) = 0.076 mW/g

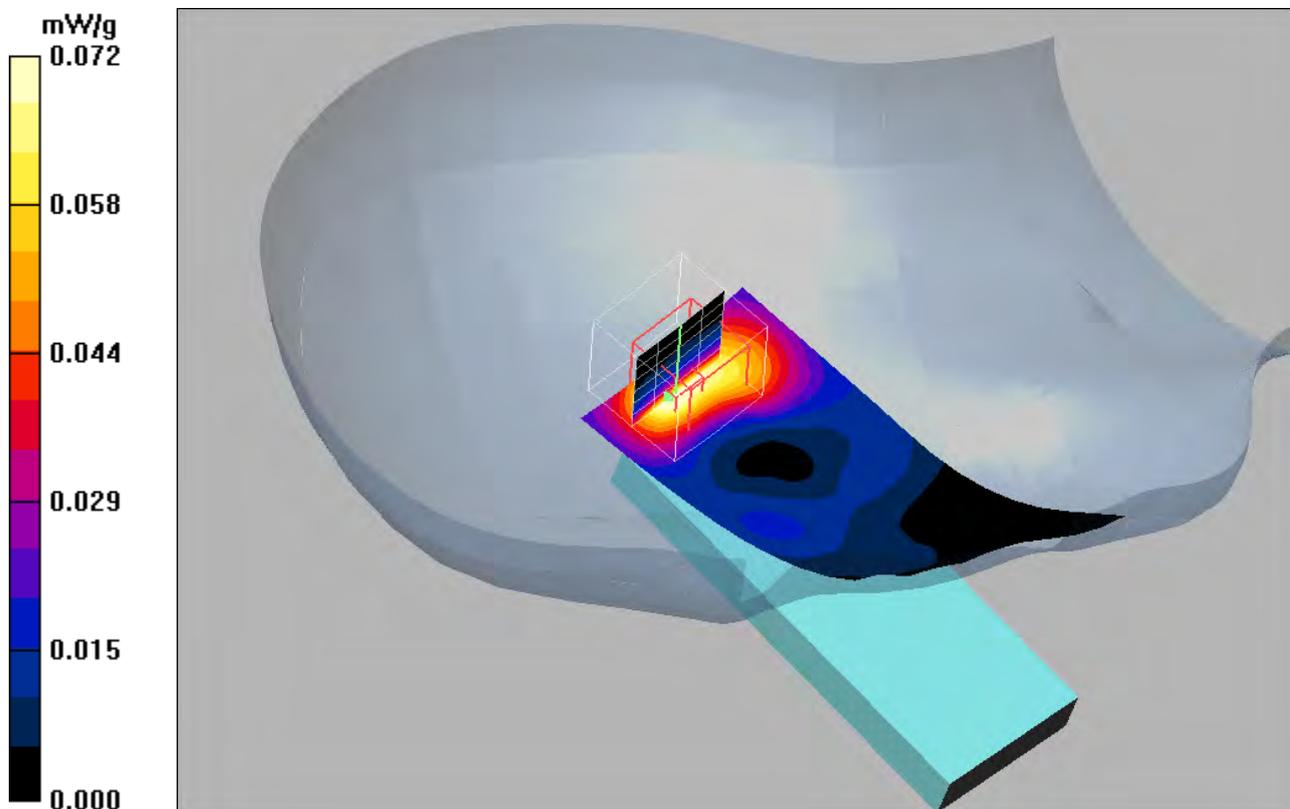
**Right Tilt/Zoom Scan 2 (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.06 V/m; Power Drift = -0.265 dB

Peak SAR (extrapolated) = 0.136 W/kg

**SAR(1 g) = 0.064 mW/g; SAR(10 g) = 0.032 mW/g**

Maximum value of SAR (measured) = 0.072 mW/g



Date/Time: 2009-03-05 14:39:51

Test Laboratory: Sony Ericsson Mobile Communications  
 File Name: [Open\\_right\\_UMTS5\\_090304\\_RP.da4](#)

**DUT: PY7A3880035 (W995a) ; Type: GSM+UMTS+Wlan; Serial: #14710**  
**Program Name: SAR Measurement on the Head**

Communication System: UMTS\_band5; Frequency: 836.6 MHz; Duty Cycle: 1:1  
 Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 0.89$  mho/m;  $\epsilon_r = 42.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1569; ConvF(6.36, 6.36, 6.36); Calibrated: 2009-01-12
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn428; Calibrated: 2009-01-09
- Phantom: SAM 6; Type: SAM; Serial: 1351
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 171

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

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

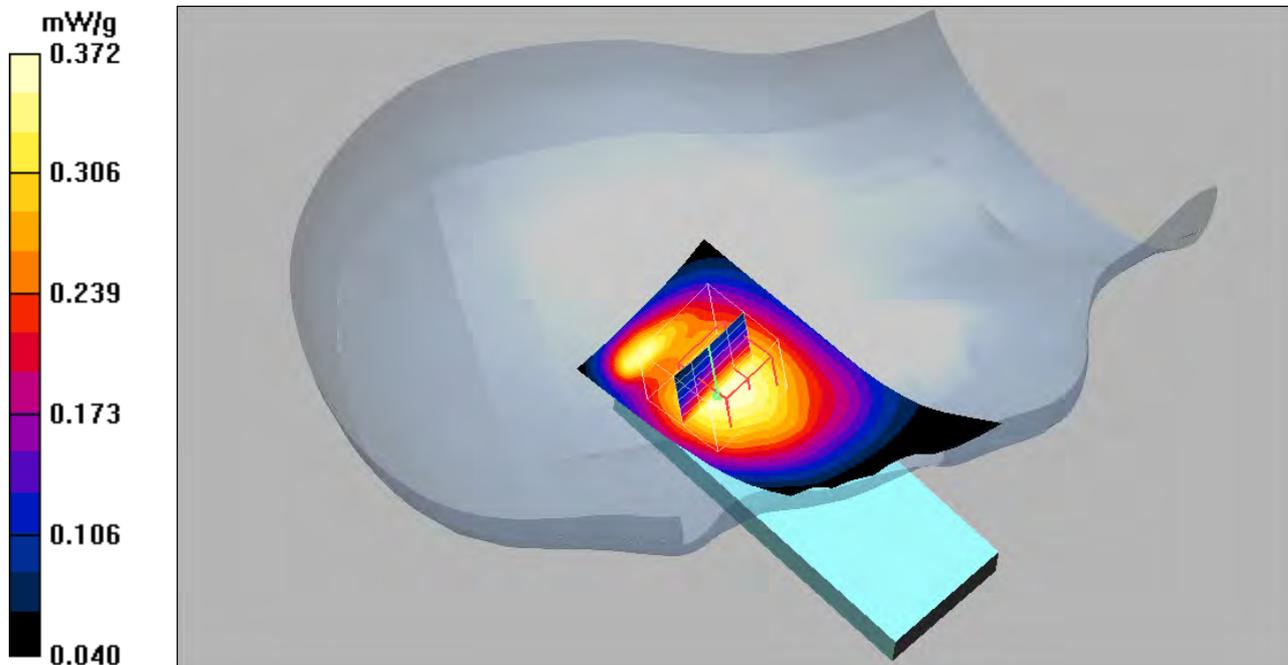
**Right Tilt Middle/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.9 V/m; Power Drift = -0.006 dB

Peak SAR (extrapolated) = 0.449 W/kg

**SAR(1 g) = 0.356 mW/g; SAR(10 g) = 0.268 mW/g**

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



Date/Time: 2009-03-17 13:14:32

Test Laboratory: Sony Ericsson Mobile Communications  
 File Name: [Open\\_right\\_UMTS2\\_090317\\_RP.da4](#)

**DUT: PY7A3880035 (W995a) ; Type: GSM+UMTS+Wlan; Serial: #14710**  
**Program Name: SAR Measurement on the Head**

Communication System: UMTS\_band2; Frequency: 1880 MHz; Duty Cycle: 1:1  
 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.44$  mho/m;  $\epsilon_r = 38.4$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1569; ConvF(4.99, 4.99, 4.99); Calibrated: 2009-01-12
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn428; Calibrated: 2009-01-09
- Phantom: SAM 5; Type: SAM; Serial: 1352
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 171

**Right Tilt Middle/Area Scan (61x141x1):** Measurement grid: dx=10mm, dy=10mm  
 Maximum value of SAR (interpolated) = 0.714 mW/g

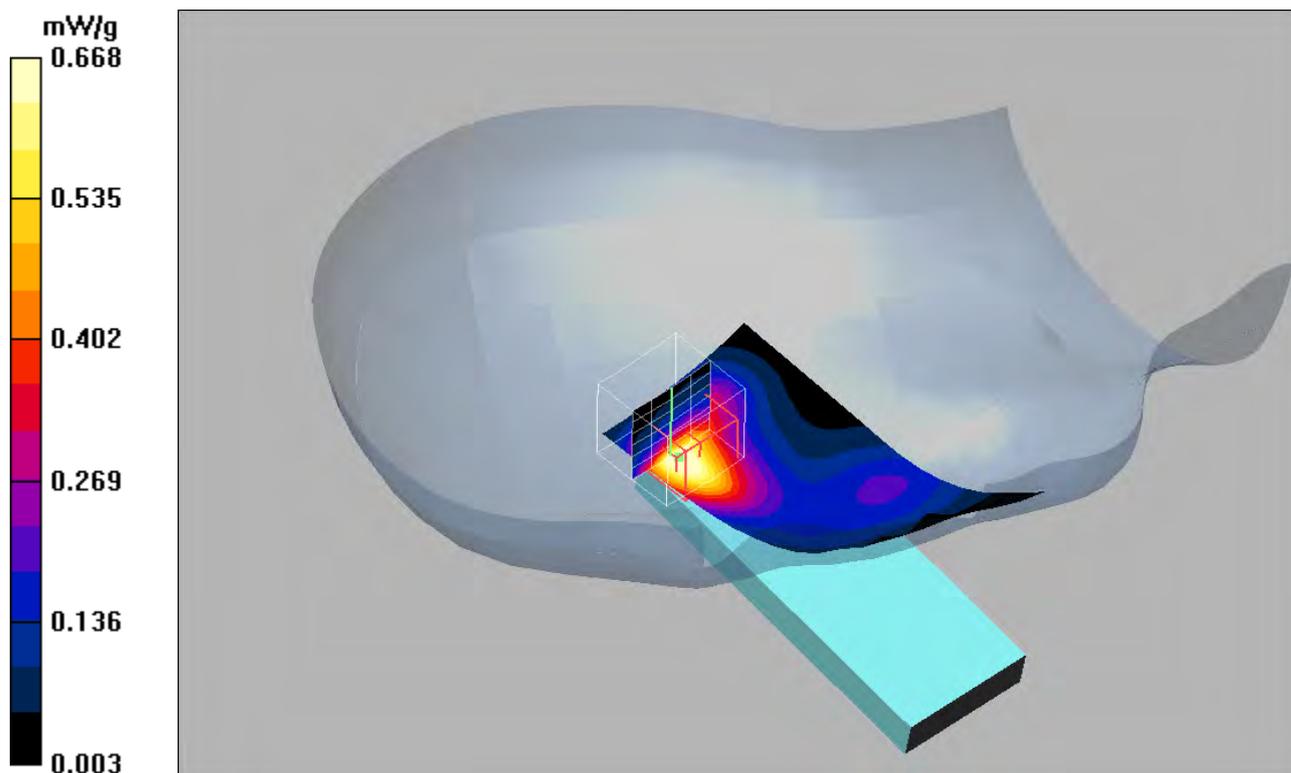
**Right Tilt Middle/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.2 V/m; Power Drift = 0.039 dB

Peak SAR (extrapolated) = 1.12 W/kg

**SAR(1 g) = 0.620 mW/g; SAR(10 g) = 0.354 mW/g**

Maximum value of SAR (measured) = 0.668 mW/g



Date/Time: 2009-03-16 11:34:14

Test Laboratory: Sony Ericsson Mobile Communications  
 File Name: [Open\\_right\\_GSM1900\\_090316\\_RP.da4](#)

**DUT: PY7A3880035 (W995a) ; Type: GSM+UMTS+Wlan; Serial: #14710**  
**Program Name: SAR Measurement on the Head**

Communication System: GSM 1900; Frequency: 1850.2 MHz; Duty Cycle: 1:8.3

Medium parameters used (interpolated):  $f = 1850.2$  MHz;  $\sigma = 1.39$  mho/m;  $\epsilon_r = 38.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1569; ConvF(4.99, 4.99, 4.99); Calibrated: 2009-01-12
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn428; Calibrated: 2009-01-09
- Phantom: SAM 5; Type: SAM; Serial: 1352
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 171

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

Maximum value of SAR (interpolated) = 0.554 mW/g

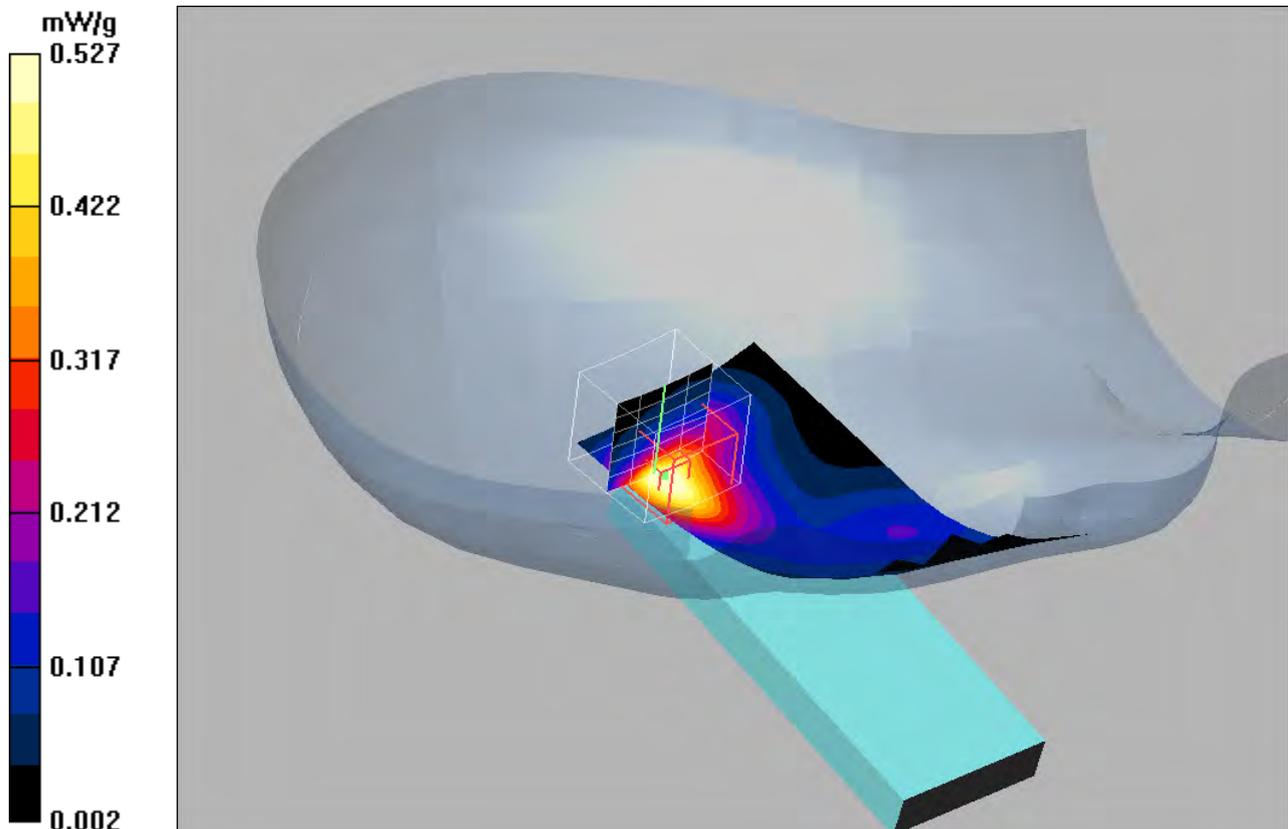
**Right Tilt Middle/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.2 V/m; Power Drift = 0.087 dB

Peak SAR (extrapolated) = 0.874 W/kg

**SAR(1 g) = 0.487 mW/g; SAR(10 g) = 0.277 mW/g**

Maximum value of SAR (measured) = 0.527 mW/g



Date/Time: 2009-03-04 12:30:28

Test Laboratory: Sony Ericsson Mobile Communications  
 File Name: [Open\\_right\\_GSM850\\_090304\\_RP.da4](#)

**DUT: PY7A3880035 (W995a) ; Type: GSM+UMTS+Wlan; Serial: #14710**  
**Program Name: SAR Measurement on the Head**

Communication System: GSM835MHz; Frequency: 836.6 MHz; Duty Cycle: 1:8.3  
 Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 0.89$  mho/m;  $\epsilon_r = 42.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1569; ConvF(6.36, 6.36, 6.36); Calibrated: 2009-01-12
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn428; Calibrated: 2009-01-09
- Phantom: SAM 6; Type: SAM; Serial: 1351
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 171

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

Maximum value of SAR (interpolated) = 0.367 mW/g

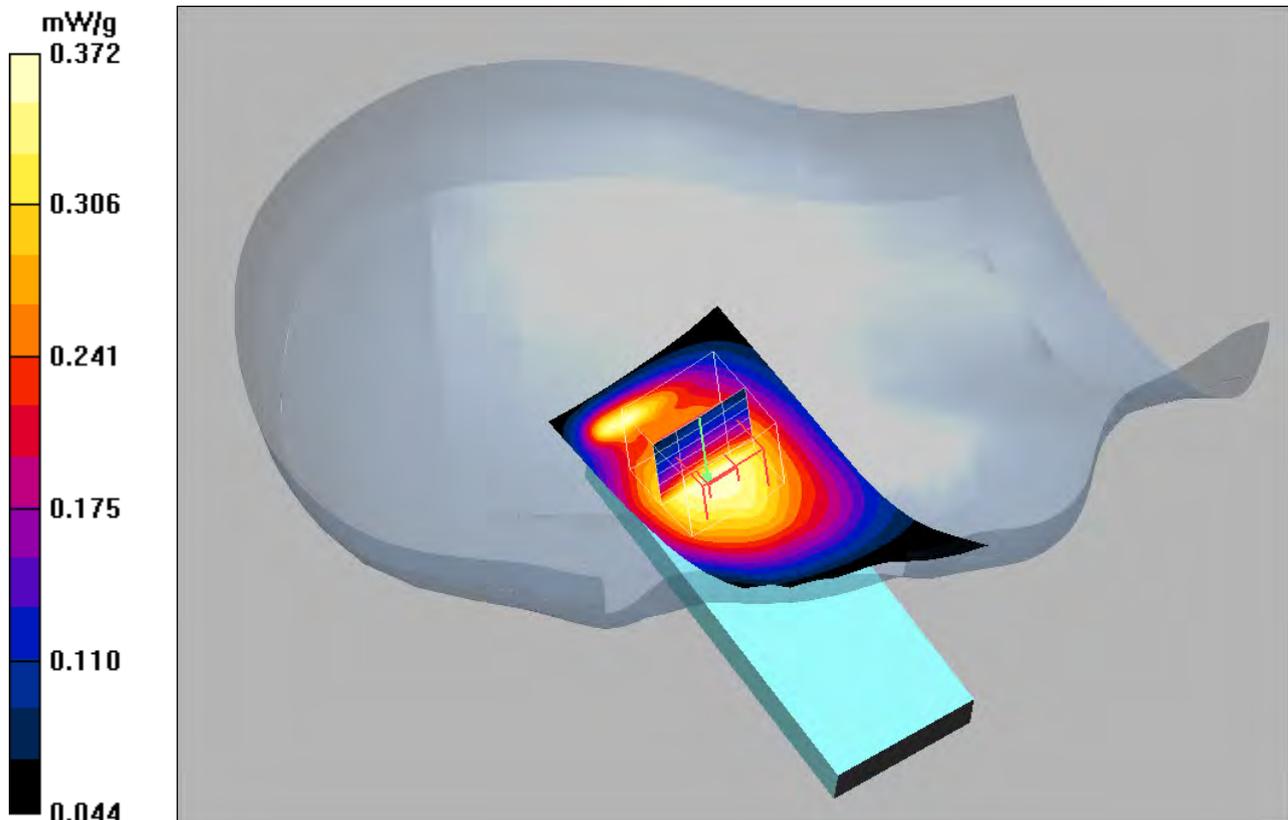
**Right Tilt Middle/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.6 V/m; Power Drift = -0.056 dB

Peak SAR (extrapolated) = 0.437 W/kg

**SAR(1 g) = 0.350 mW/g; SAR(10 g) = 0.263 mW/g**

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



Date/Time: 2009-03-24 12:54:33

Test Laboratory: Sony Ericsson Mobile Communications  
File Name: [Open\\_right\\_WLAN\\_090324\\_RP.da4](#)

**DUT: PY7A3880035 (W995a) ; Type: GSM+UMTS+Wlan; Serial: #14713**  
**Program Name: SAR Measurement on the Head**

Communication System: WLAN; Frequency: 2437 MHz; Duty Cycle: 1:1  
Medium parameters used (interpolated):  $f = 2437$  MHz;  $\sigma = 1.89$  mho/m;  $\epsilon_r = 38.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1569; ConvF(4.32, 4.32, 4.32); Calibrated: 2009-01-12
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn428; Calibrated: 2009-01-09
- Phantom: SAM 5; Type: SAM; Serial: 1352
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 171

**Right Cheek 6/Area Scan (61x141x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.057 mW/g

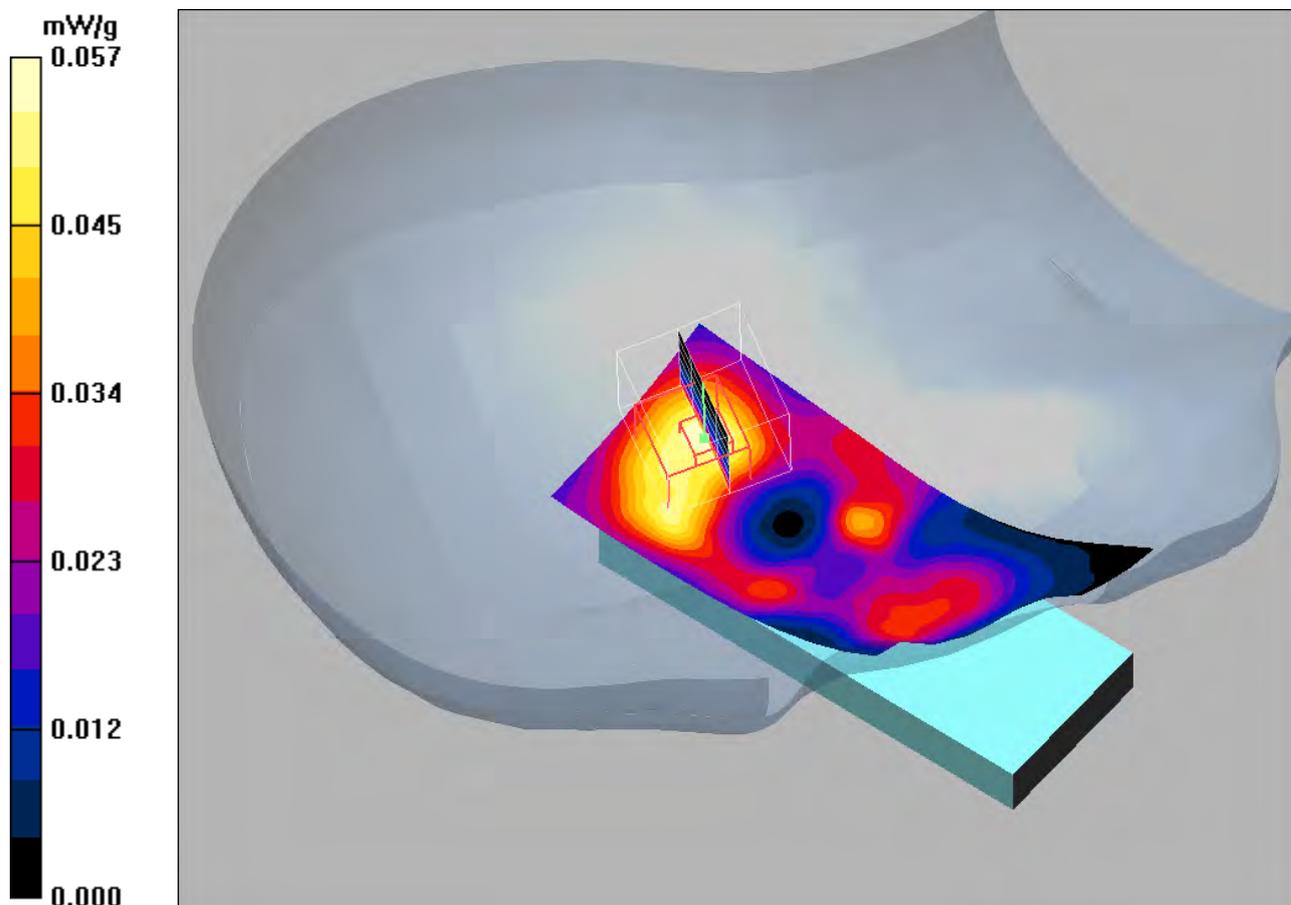
**Right Cheek 6/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.46 V/m; Power Drift = -0.037 dB

Peak SAR (extrapolated) = 0.094 W/kg

**SAR(1 g) = 0.052 mW/g; SAR(10 g) = 0.029 mW/g**

Maximum value of SAR (measured) = 0.057 mW/g



Date/Time: 2009-03-05 14:20:08

Test Laboratory: Sony Ericsson Mobile Communications  
 File Name: [Open\\_right\\_UMTS5\\_090304\\_RP.da4](#)

**DUT: PY7A3880035 (W995a) ; Type: GSM+UMTS+Wlan; Serial: #14710**  
**Program Name: SAR Measurement on the Head**

Communication System: UMTS\_band5; Frequency: 836.6 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 0.89$  mho/m;  $\epsilon_r = 42.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1569; ConvF(6.36, 6.36, 6.36); Calibrated: 2009-01-12
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn428; Calibrated: 2009-01-09
- Phantom: SAM 6; Type: SAM; Serial: 1351
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 171

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

Maximum value of SAR (interpolated) = 0.687 mW/g

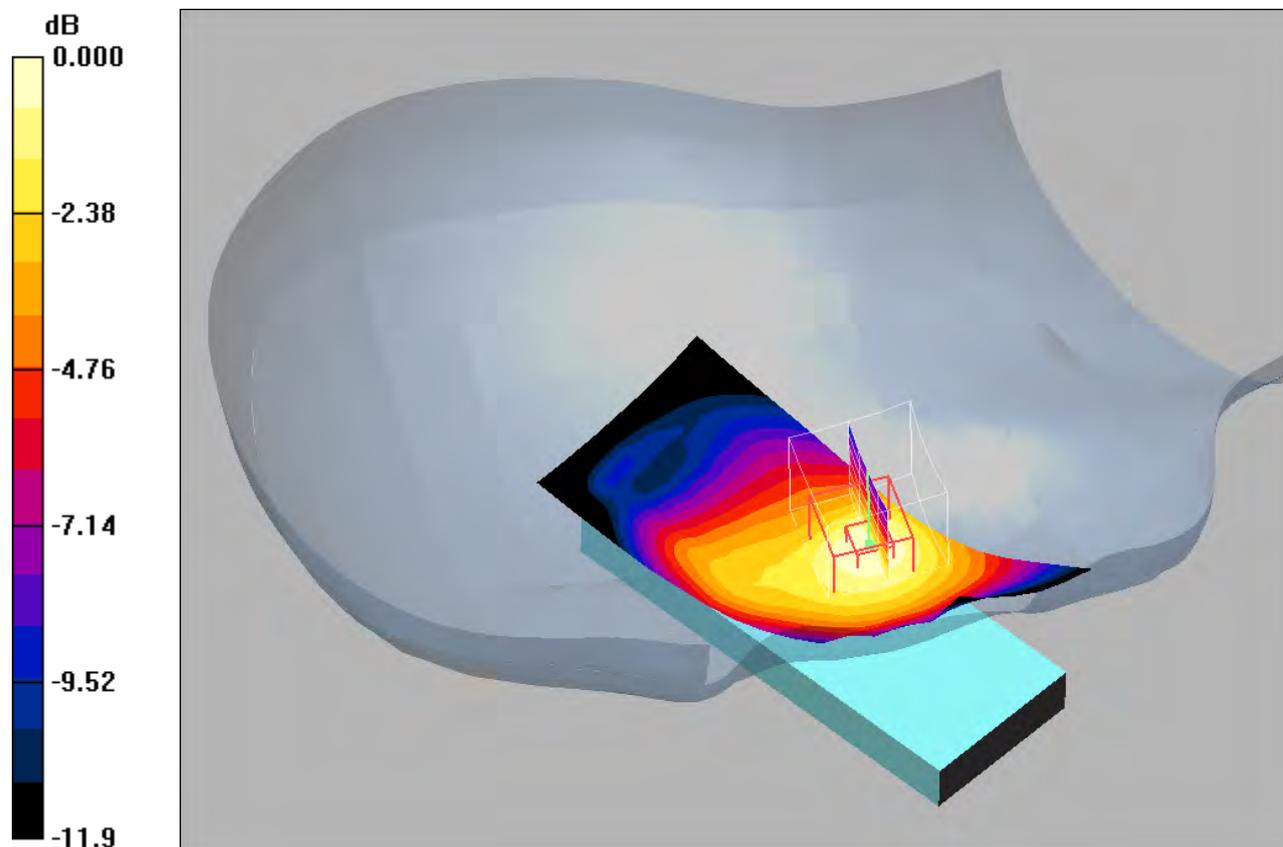
**Right Cheek Middle/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.66 V/m; Power Drift = 0.010 dB

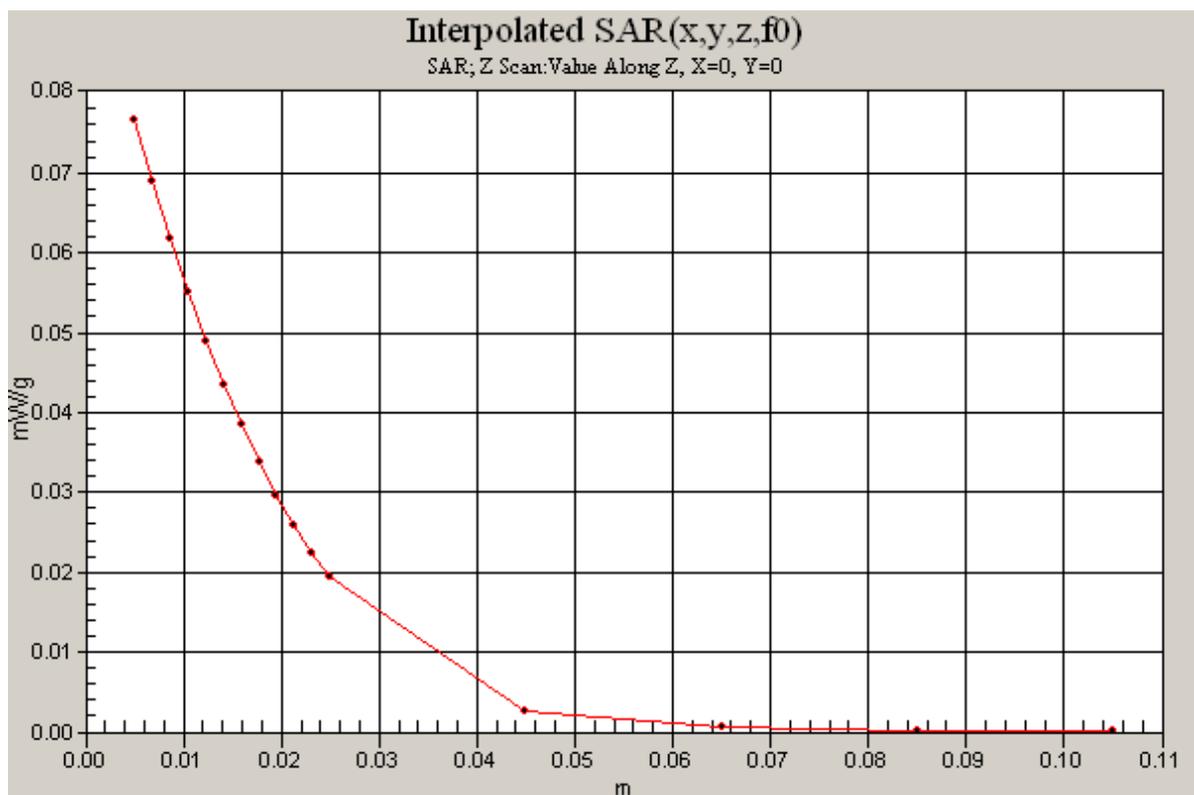
Peak SAR (extrapolated) = 0.955 W/kg

**SAR(1 g) = 0.621 mW/g; SAR(10 g) = 0.412 mW/g**

Maximum value of SAR (measured) = 0.678 mW/g



0 dB = 0.678mW/g



Date/Time: 2009-03-17 12:55:07

Test Laboratory: Sony Ericsson Mobile Communications  
File Name: [Open\\_right\\_UMTS2\\_090317\\_RP.da4](#)

**DUT: PY7A3880035 (W995a) ; Type: GSM+UMTS+Wlan; Serial: #14710**  
**Program Name: SAR Measurement on the Head**

Communication System: UMTS\_band2; Frequency: 1880 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.44$  mho/m;  $\epsilon_r = 38.4$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1569; ConvF(4.99, 4.99, 4.99); Calibrated: 2009-01-12
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn428; Calibrated: 2009-01-09
- Phantom: SAM 5; Type: SAM; Serial: 1352
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 171

**Right Cheek Middle/Area Scan (61x141x1):** Measurement grid: dx=10mm, dy=10mm  
Maximum value of SAR (interpolated) = 0.810 mW/g

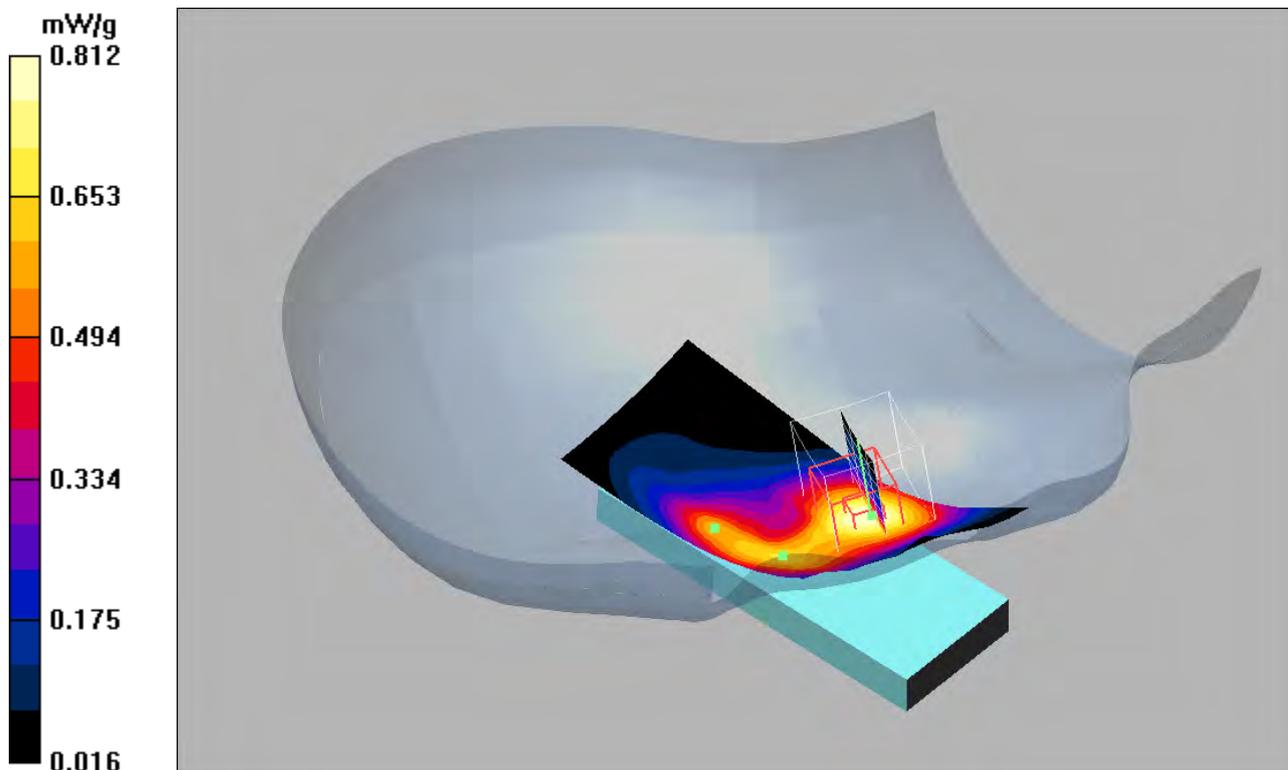
**Right Cheek Middle/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.59 V/m; Power Drift = 0.021 dB

Peak SAR (extrapolated) = 1.08 W/kg

**SAR(1 g) = 0.738 mW/g; SAR(10 g) = 0.450 mW/g**

Maximum value of SAR (measured) = 0.812 mW/g



Date/Time: 2009-03-16 11:14:46

Test Laboratory: Sony Ericsson Mobile Communications  
 File Name: [Open\\_right\\_GSM1900\\_090316\\_RP.da4](#)

**DUT: PY7A3880035 (W995a) ; Type: GSM+UMTS+Wlan; Serial: #14710**  
**Program Name: SAR Measurement on the Head**

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/m<sup>3</sup>  
 Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1569; ConvF(4.99, 4.99, 4.99); Calibrated: 2009-01-12
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn428; Calibrated: 2009-01-09
- Phantom: SAM 5; Type: SAM; Serial: 1352
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 171

**Right Cheek Middle/Area Scan (61x141x1):** Measurement grid: dx=10mm, dy=10mm  
 Maximum value of SAR (interpolated) = 0.664 mW/g

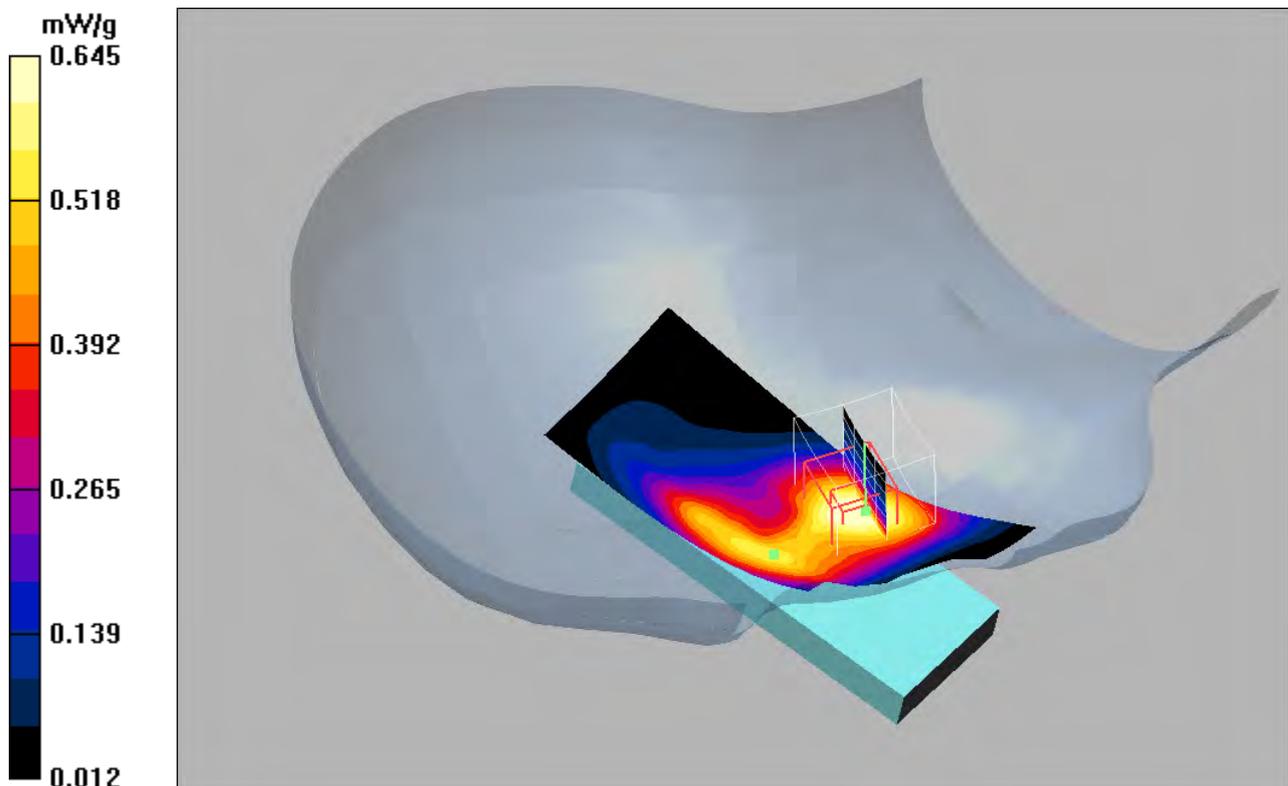
**Right Cheek Middle/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.21 V/m; Power Drift = 0.042 dB

Peak SAR (extrapolated) = 0.872 W/kg

**SAR(1 g) = 0.598 mW/g; SAR(10 g) = 0.368 mW/g**

Maximum value of SAR (measured) = 0.645 mW/g



Date/Time: 2009-03-04 12:01:30

Test Laboratory: Sony Ericsson Mobile Communications  
 File Name: [Open\\_right\\_GSM850\\_090304\\_RP.da4](#)

**DUT: PY7A3880035 (W995a) ; Type: GSM+UMTS+Wlan; Serial: #14710**  
**Program Name: SAR Measurement on the Head**

Communication System: GSM835MHz; Frequency: 836.6 MHz; Duty Cycle: 1:8.3  
 Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 0.89$  mho/m;  $\epsilon_r = 42.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1569; ConvF(6.36, 6.36, 6.36); Calibrated: 2009-01-12
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn428; Calibrated: 2009-01-09
- Phantom: SAM 6; Type: SAM; Serial: 1351
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 171

**Right Cheek Middle/Area Scan (61x141x1):** Measurement grid: dx=10mm, dy=10mm  
 Maximum value of SAR (interpolated) = 0.891 mW/g

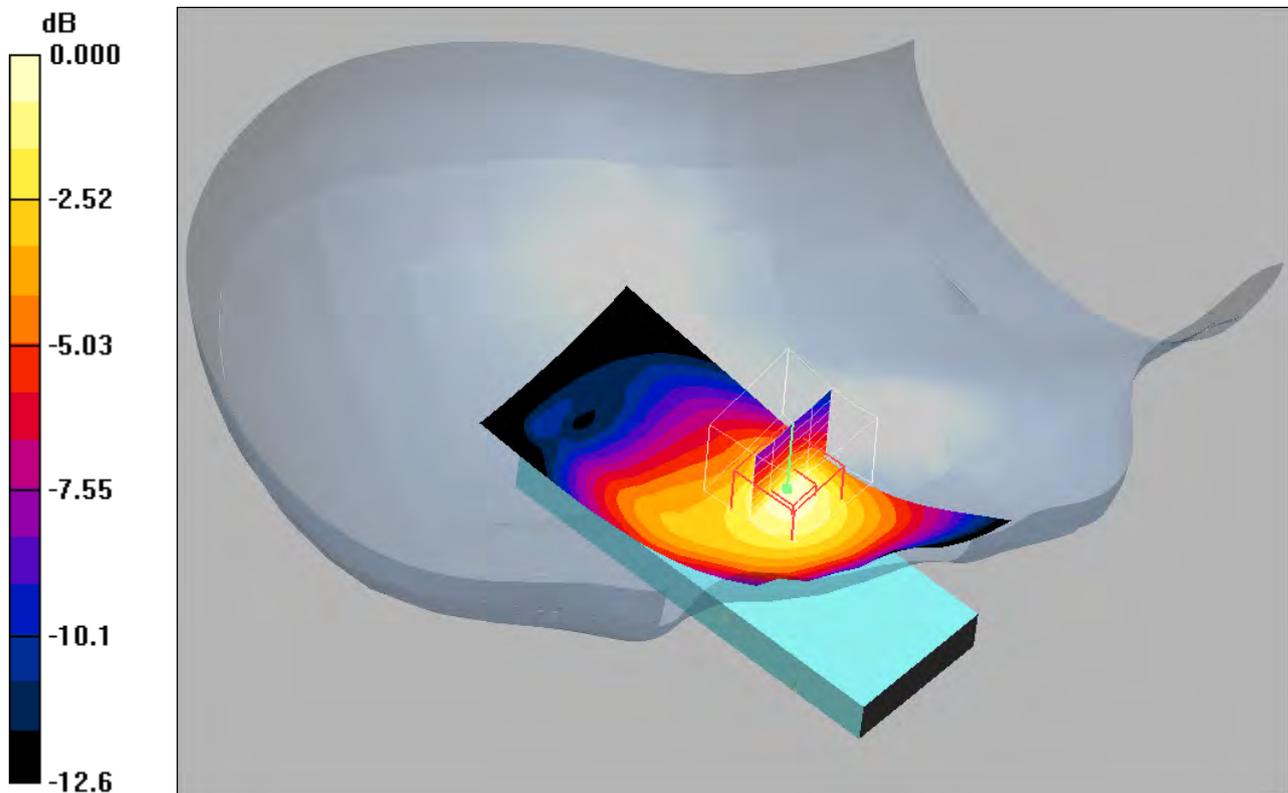
**Right Cheek Middle/Zoom Scan 2 (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.74 V/m; Power Drift = -0.081 dB

Peak SAR (extrapolated) = 1.34 W/kg

**SAR(1 g) = 0.796 mW/g; SAR(10 g) = 0.501 mW/g**

Maximum value of SAR (measured) = 0.881 mW/g



0 dB = 0.881mW/g

Date/Time: 2009-03-24 16:19:10

Test Laboratory: Sony Ericsson Mobile Communications  
 File Name: [Open\\_Left\\_Wlan\\_090324\\_RP.da4](#)

**DUT: PY7A3880025 (W995a) Open; Type: GSM+UMTS+WLAN; Serial: #14713**  
**Program Name: Head Measurement on Wlan**

Communication System: WLAN; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 2437$  MHz;  $\sigma = 1.89$  mho/m;  $\epsilon_r = 38.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1569; ConvF(4.52, 4.52, 4.52); Calibrated: 2008-01-23

- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)) Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn428; Calibrated: 2008-01-18

- Phantom: SAM 5; Type: SAM; Serial: 1352

- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 171

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

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

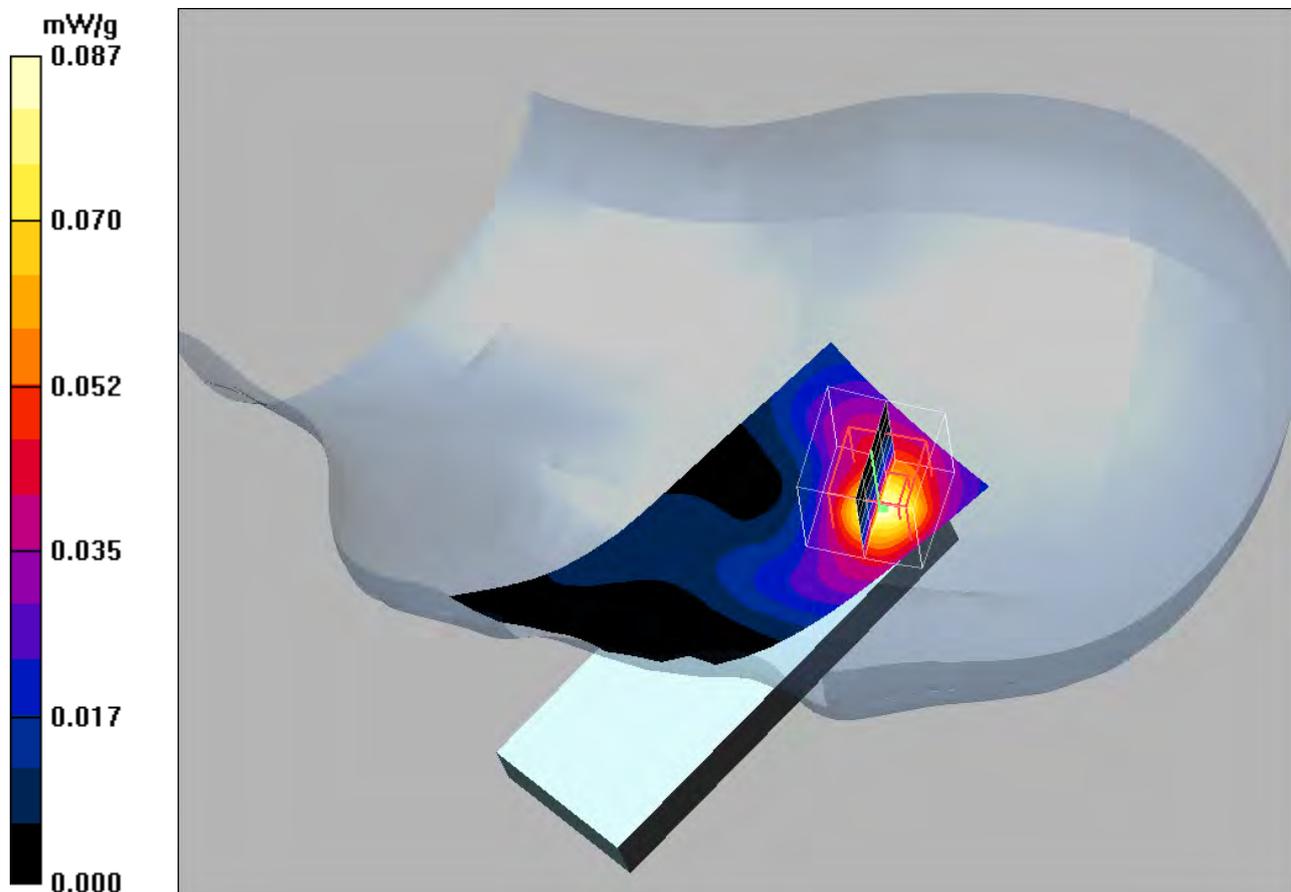
**Left Tilt Mid/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.24 V/m; Power Drift = 0.387 dB

Peak SAR (extrapolated) = 0.174 W/kg

**SAR(1 g) = 0.081 mW/g; SAR(10 g) = 0.040 mW/g**

Maximum value of SAR (measured) = 0.087 mW/g



Date/Time: 2009-03-05 11:22:00

Test Laboratory: Sony Ericsson Mobile Communications  
 File Name: [Open\\_Left UMTS5\\_090305\\_RP.da4](#)

**DUT: PY7A3880035 (W995a) ; Type: GSM+UMTS+Wlan; Serial: #14710**  
**Program Name: SAR Measurement on the Head**

Communication System: UMTS\_band5; Frequency: 836.6 MHz; Duty Cycle: 1:1  
 Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 0.89$  mho/m;  $\epsilon_r = 42.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1569; ConvF(6.36, 6.36, 6.36); Calibrated: 2009-01-12
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn428; Calibrated: 2009-01-09
- Phantom: SAM 6; Type: SAM; Serial: 1351
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 171

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

Maximum value of SAR (interpolated) = 0.377 mW/g

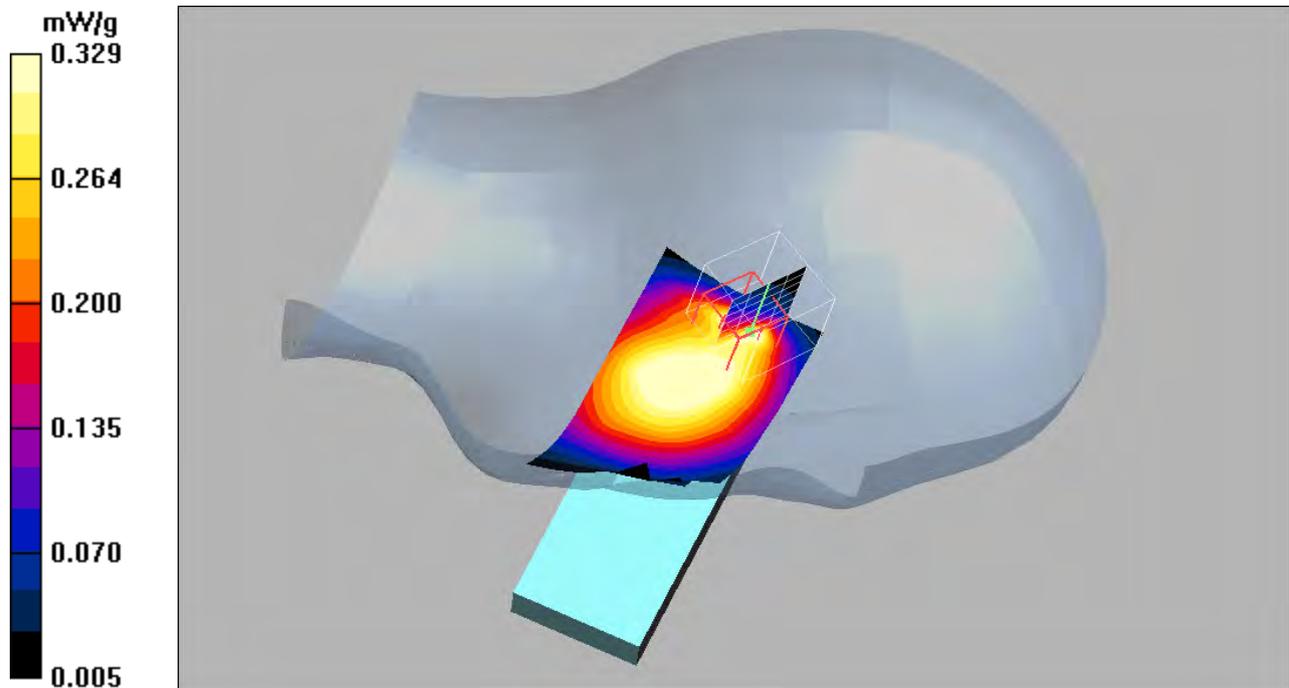
**Left Tilt Middle/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 19.8 V/m; Power Drift = -0.118 dB

Peak SAR (extrapolated) = 0.614 W/kg

**SAR(1 g) = 0.305 mW/g; SAR(10 g) = 0.191 mW/g**

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



Date/Time: 2009-03-17 09:47:30

Test Laboratory: Sony Ericsson Mobile Communications  
 File Name: [Open\\_Left UMTS2\\_090317\\_RP.da4](#)

**DUT: PY7A3880035 (W995a) ; Type: GSM+UMTS+Wlan; Serial: #14710**  
**Program Name: SAR Measurement on the Head**

Communication System: UMTS\_band2; Frequency: 1880 MHz; Duty Cycle: 1:1  
 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.44$  mho/m;  $\epsilon_r = 38.4$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1569; ConvF(4.99, 4.99, 4.99); Calibrated: 2009-01-12
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn428; Calibrated: 2009-01-09
- Phantom: SAM 5; Type: SAM; Serial: 1352
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 171

**Left Tilt Middle/Area Scan (61x141x1):** Measurement grid: dx=10mm, dy=10mm  
 Maximum value of SAR (interpolated) = 0.563 mW/g

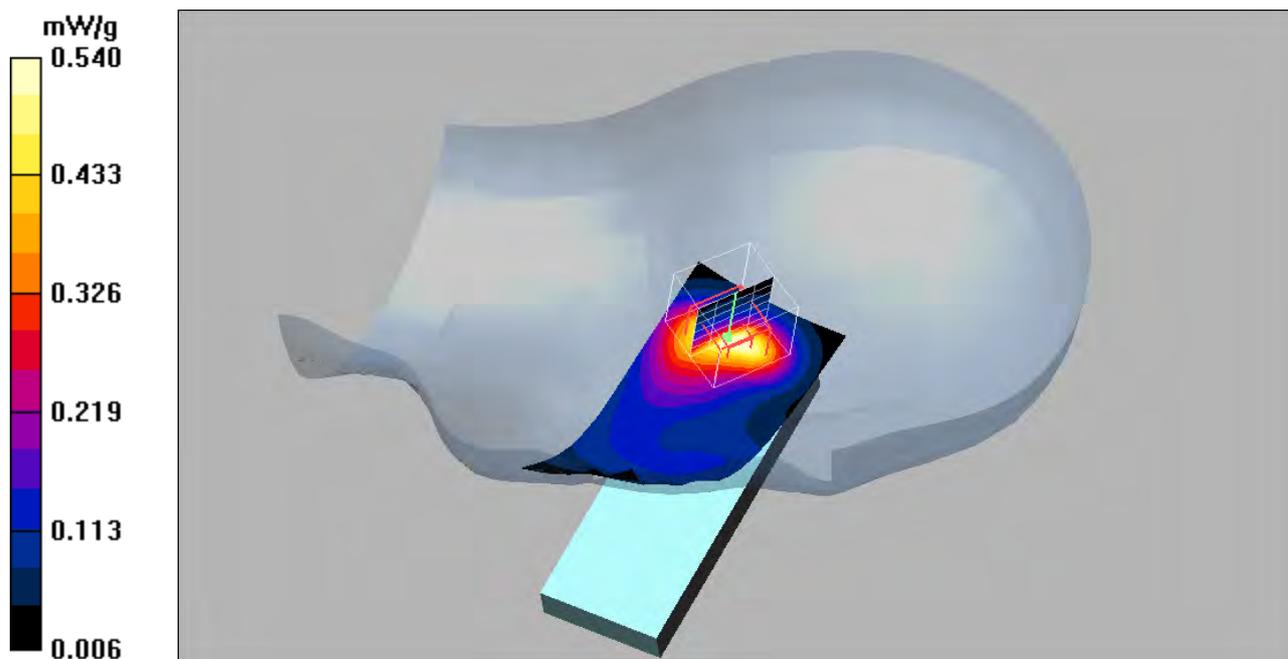
**Left Tilt Middle/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.1 V/m; Power Drift = 0.184 dB

Peak SAR (extrapolated) = 0.745 W/kg

**SAR(1 g) = 0.483 mW/g; SAR(10 g) = 0.280 mW/g**

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



Date/Time: 2009-03-16 13:05:11

Test Laboratory: Sony Ericsson Mobile Communications  
 File Name: [Open\\_Left GSM1900\\_090316\\_RP.da4](#)

**DUT: PY7A3880035 (W995a) ; Type: GSM+UMTS+Wlan; Serial: #14710**  
**Program Name: SAR Measurement on the Head**

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/m<sup>3</sup>  
 Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1569; ConvF(4.99, 4.99, 4.99); Calibrated: 2009-01-12
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn428; Calibrated: 2009-01-09
- Phantom: SAM 5; Type: SAM; Serial: 1352
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 171

**Left Tilt Middle/Area Scan (61x141x1):** Measurement grid: dx=10mm, dy=10mm  
 Maximum value of SAR (interpolated) = 0.457 mW/g

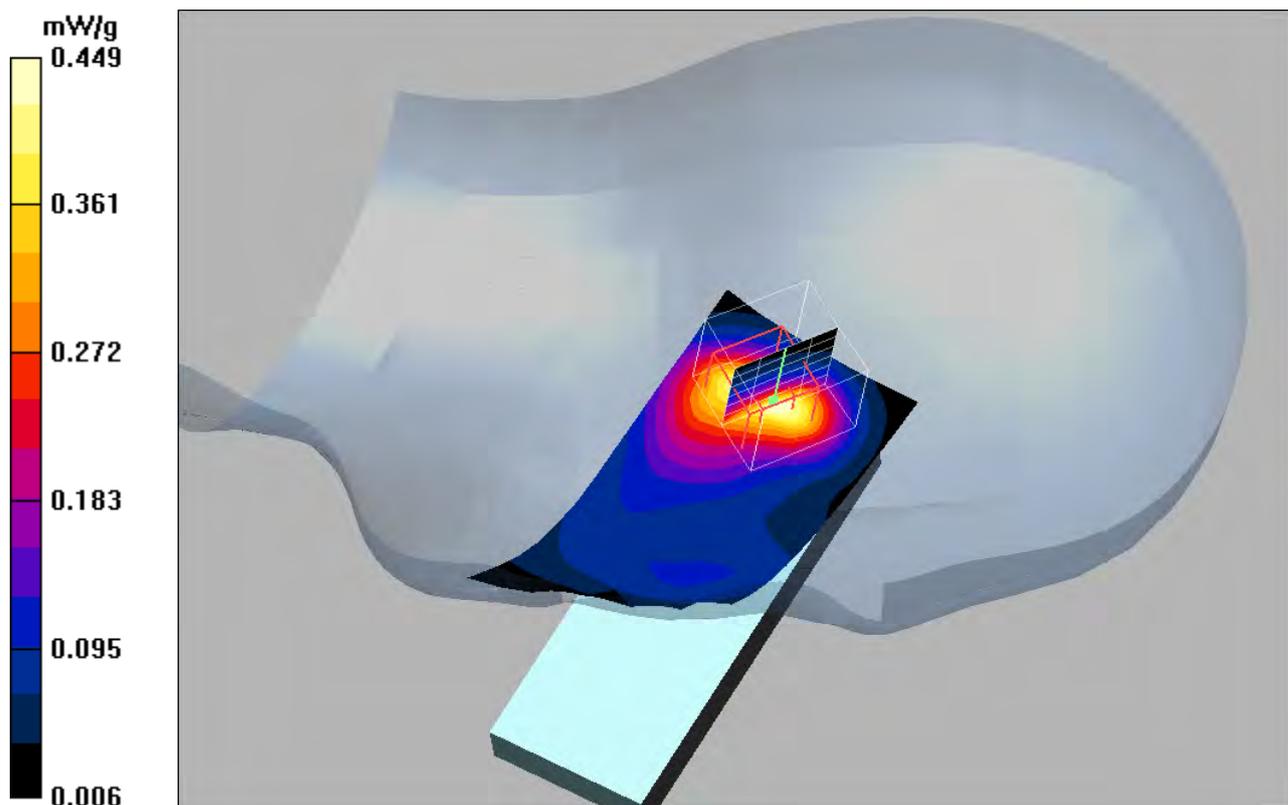
**Left Tilt Middle/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.3 V/m; Power Drift = 0.145 dB

Peak SAR (extrapolated) = 0.624 W/kg

**SAR(1 g) = 0.403 mW/g; SAR(10 g) = 0.233 mW/g**

Maximum value of SAR (measured) = 0.449 mW/g



Date/Time: 2009-03-04 16:01:10

Test Laboratory: Sony Ericsson Mobile Communications  
 File Name: [Open\\_Left GSM850\\_090304\\_RP.da4](#)

**DUT: PY7A3880035 (W995a) ; Type: GSM+UMTS+Wlan; Serial: #14710**  
**Program Name: SAR Measurement on the Head**

Communication System: GSM835MHz; Frequency: 836.6 MHz; Duty Cycle: 1:8.3  
 Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 0.89$  mho/m;  $\epsilon_r = 42.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1569; ConvF(6.36, 6.36, 6.36); Calibrated: 2009-01-12
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)) Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn428; Calibrated: 2009-01-09
- Phantom: SAM 6; Type: SAM; Serial: 1351
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 171

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

Maximum value of SAR (interpolated) = 0.452 mW/g

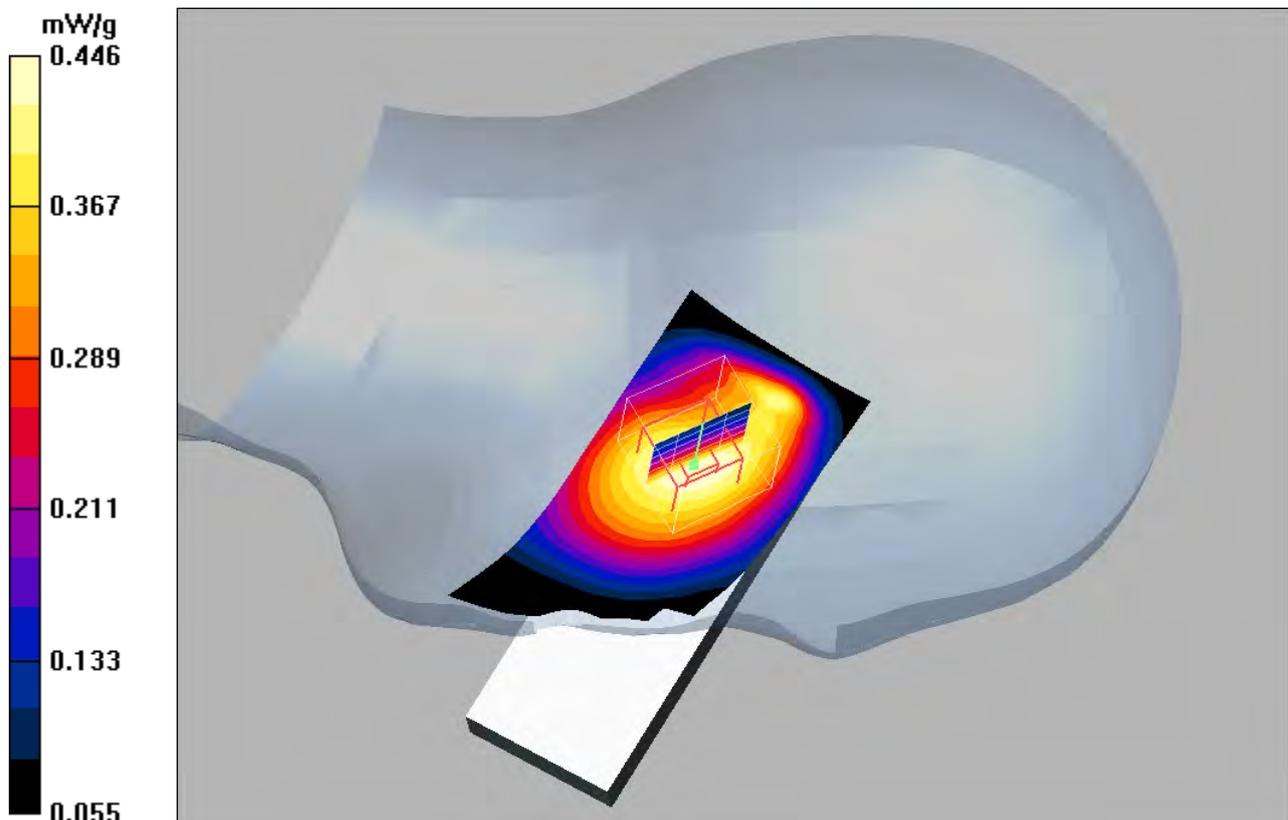
**Left Tilt Middle/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 21.1 V/m; Power Drift = 0.041 dB

Peak SAR (extrapolated) = 0.531 W/kg

**SAR(1 g) = 0.421 mW/g; SAR(10 g) = 0.315 mW/g**

Maximum value of SAR (measured) = 0.446 mW/g



Date/Time: 2009-03-24 15:59:53

Test Laboratory: Sony Ericsson Mobile Communications  
 File Name: [Open\\_Left\\_Wlan\\_090324\\_RP.da4](#)

**DUT: PY7A3880025 (W995a) Open; Type: GSM+UMTS+WLAN; Serial: #14713**  
**Program Name: Head Measurement on Wlan**

Communication System: WLAN; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 2437$  MHz;  $\sigma = 1.89$  mho/m;  $\epsilon_r = 38.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1569; ConvF(4.52, 4.52, 4.52); Calibrated: 2008-01-23

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

- Electronics: DAE3 Sn428; Calibrated: 2008-01-18

- Phantom: SAM 5; Type: SAM; Serial: 1352

- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 171

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

Maximum value of SAR (interpolated) = 0.094 mW/g

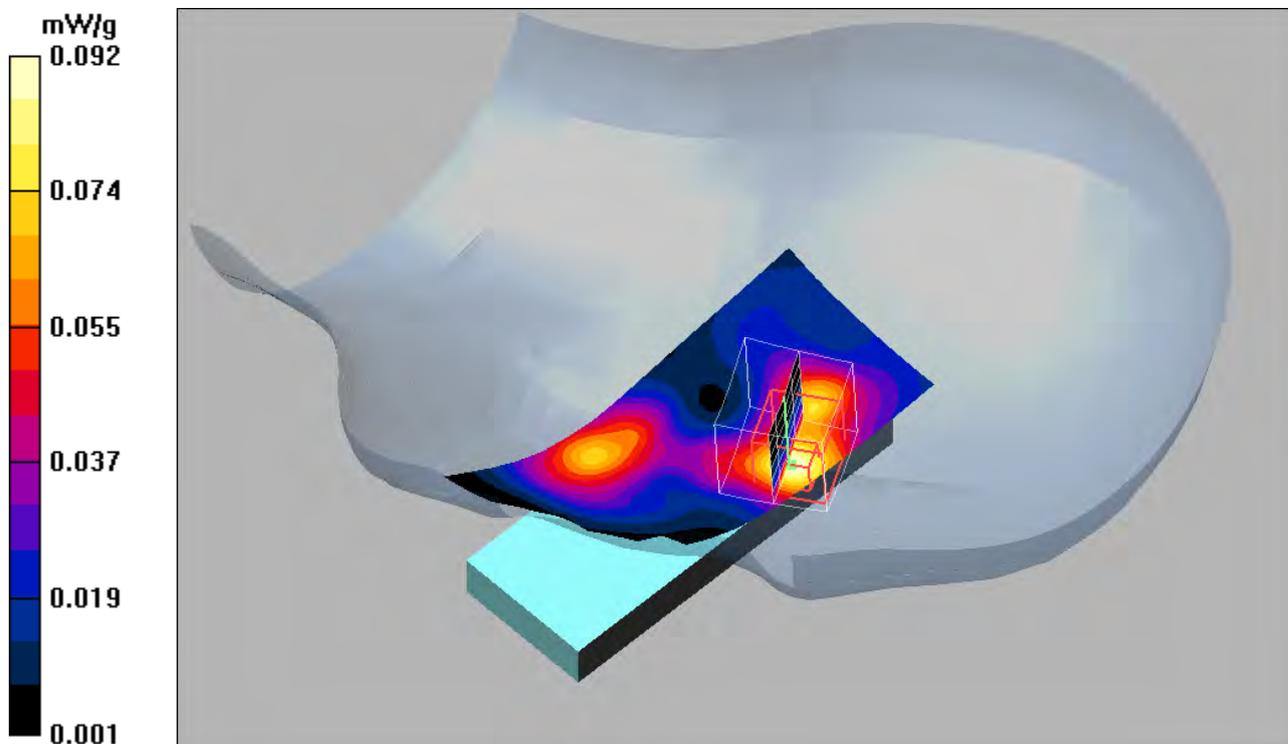
**Left Cheek Mid/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.42 V/m; Power Drift = 0.433 dB

Peak SAR (extrapolated) = 0.201 W/kg

**SAR(1 g) = 0.084 mW/g; SAR(10 g) = 0.040 mW/g**

Maximum value of SAR (measured) = 0.092 mW/g



Date/Time: 2009-03-05 11:02:36

Test Laboratory: Sony Ericsson Mobile Communications  
File Name: [Open\\_Left\\_UMTS5\\_090305\\_RP.da4](#)

**DUT: PY7A3880035 (W995a) ; Type: GSM+UMTS+Wlan; Serial: #14710**  
**Program Name: SAR Measurement on the Head**

Communication System: UMTS\_band5; Frequency: 836.6 MHz; Duty Cycle: 1:1  
Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 0.89$  mho/m;  $\epsilon_r = 42.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1569; ConvF(6.36, 6.36, 6.36); Calibrated: 2009-01-12
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn428; Calibrated: 2009-01-09
- Phantom: SAM 6; Type: SAM; Serial: 1351
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 171

**Left Cheek Middle/Area Scan (61x141x1):** Measurement grid: dx=10mm, dy=10mm  
Maximum value of SAR (interpolated) = 0.687 mW/g

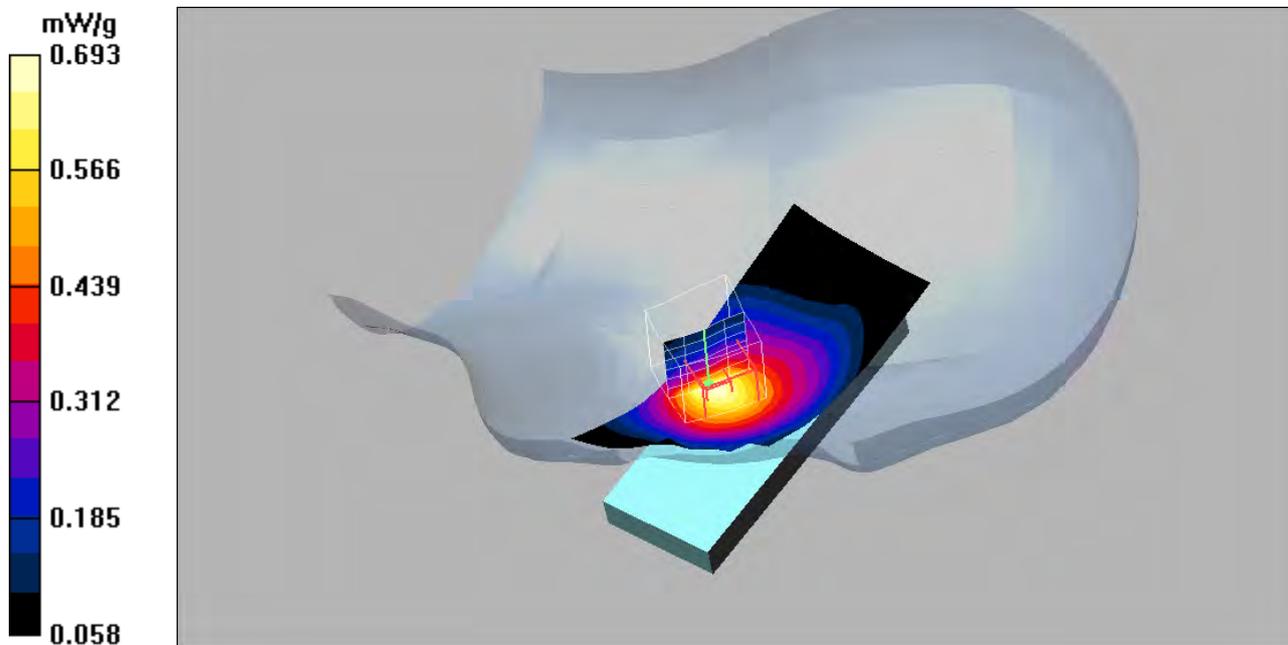
**Left Cheek Middle/Zoom Scan 2 (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.25 V/m; Power Drift = 0.189 dB

Peak SAR (extrapolated) = 0.977 W/kg

**SAR(1 g) = 0.637 mW/g; SAR(10 g) = 0.437 mW/g**

Maximum value of SAR (measured) = 0.693 mW/g



Date/Time: 2009-03-17 09:26:34

Test Laboratory: Sony Ericsson Mobile Communications  
 File Name: [Open\\_Left UMTS2\\_090317\\_RP.da4](#)

**DUT: PY7A3880035 (W995a) ; Type: GSM+UMTS+Wlan; Serial: #14710**  
**Program Name: SAR Measurement on the Head**

Communication System: UMTS\_band2; Frequency: 1880 MHz; Duty Cycle: 1:1  
 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.44$  mho/m;  $\epsilon_r = 38.4$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1569; ConvF(4.99, 4.99, 4.99); Calibrated: 2009-01-12
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn428; Calibrated: 2009-01-09
- Phantom: SAM 5; Type: SAM; Serial: 1352
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 171

**Left Cheek Middle/Area Scan (61x141x1):** Measurement grid: dx=10mm, dy=10mm  
 Maximum value of SAR (interpolated) = 1.20 mW/g

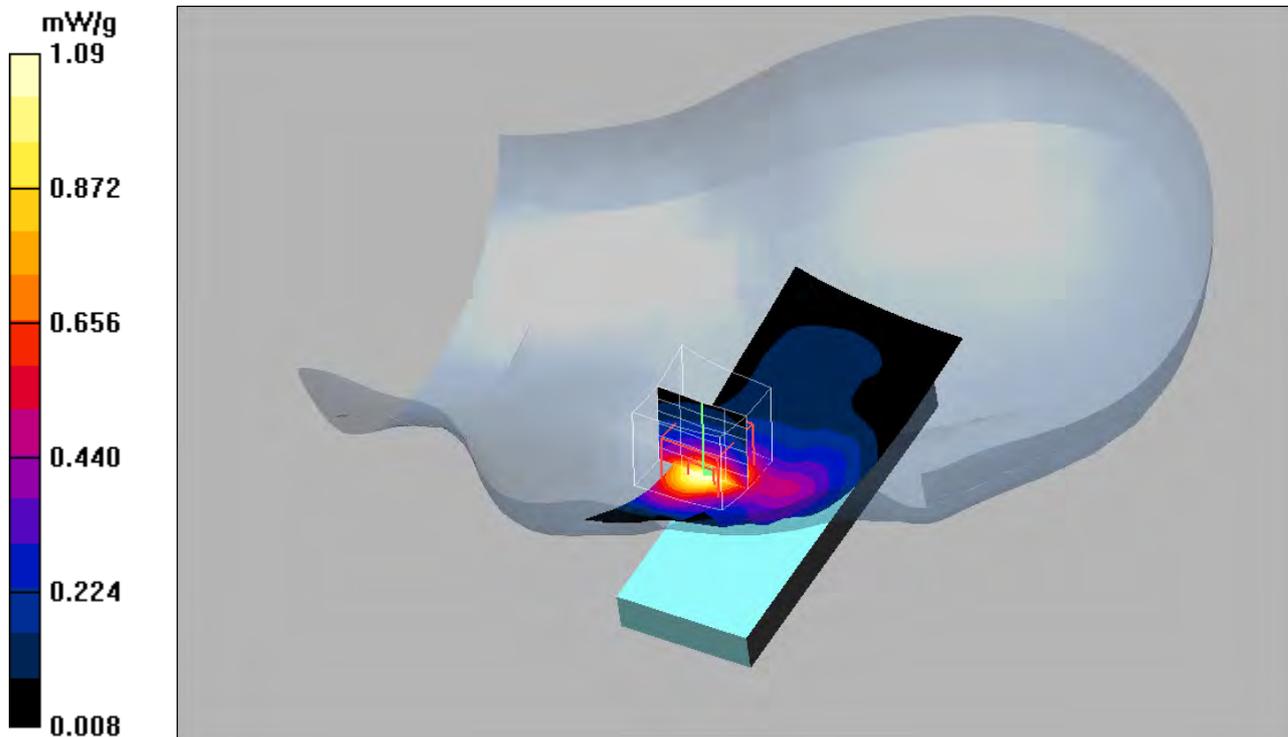
**Left Cheek Middle/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm,  
 dz=5mm

Reference Value = 8.98 V/m; Power Drift = 0.122 dB

Peak SAR (extrapolated) = 1.58 W/kg

**SAR(1 g) = 0.980 mW/g; SAR(10 g) = 0.541 mW/g**

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



Date/Time: 2009-03-16 12:31:21

Test Laboratory: Sony Ericsson Mobile Communications  
 File Name: [Open\\_Left\\_GSM1900\\_090316\\_RP.da4](#)

**DUT: PY7A3880035 (W995a) ; Type: GSM+UMTS+Wlan; Serial: #14710**  
**Program Name: SAR Measurement on the Head**

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/m<sup>3</sup>  
 Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1569; ConvF(4.99, 4.99, 4.99); Calibrated: 2009-01-12
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn428; Calibrated: 2009-01-09
- Phantom: SAM 5; Type: SAM; Serial: 1352
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 171

**Left Cheek Middle/Area Scan (61x141x1):** Measurement grid: dx=10mm, dy=10mm  
 Maximum value of SAR (interpolated) = 0.841 mW/g

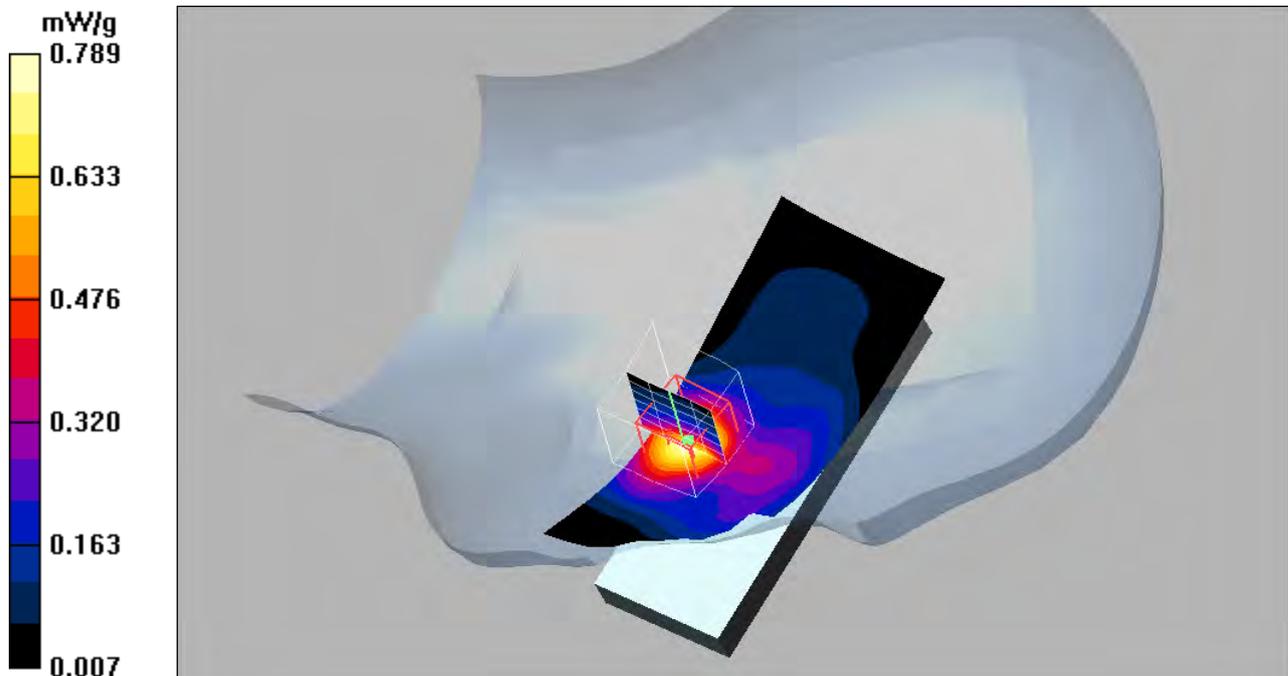
**Left Cheek Middle/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm,  
 dz=5mm

Reference Value = 7.49 V/m; Power Drift = 0.152 dB

Peak SAR (extrapolated) = 1.15 W/kg

**SAR(1 g) = 0.707 mW/g; SAR(10 g) = 0.390 mW/g**

Maximum value of SAR (measured) = 0.789 mW/g



Date/Time: 2009-03-04 16:21:46

Test Laboratory: Sony Ericsson Mobile Communications  
 File Name: [Open\\_Left GSM850\\_090304\\_RP.da4](#)

**DUT: PY7A3880035 (W995a) ; Type: GSM+UMTS+Wlan; Serial: #14710**  
**Program Name: SAR Measurement on the Head**

Communication System: GSM835MHz; Frequency: 848.8 MHz; Duty Cycle: 1:8.3  
 Medium parameters used (interpolated):  $f = 848.8$  MHz;  $\sigma = 0.902$  mho/m;  $\epsilon_r = 42$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1569; ConvF(6.36, 6.36, 6.36); Calibrated: 2009-01-12
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn428; Calibrated: 2009-01-09
- Phantom: SAM 6; Type: SAM; Serial: 1351
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 171

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

Maximum value of SAR (interpolated) = 0.950 mW/g

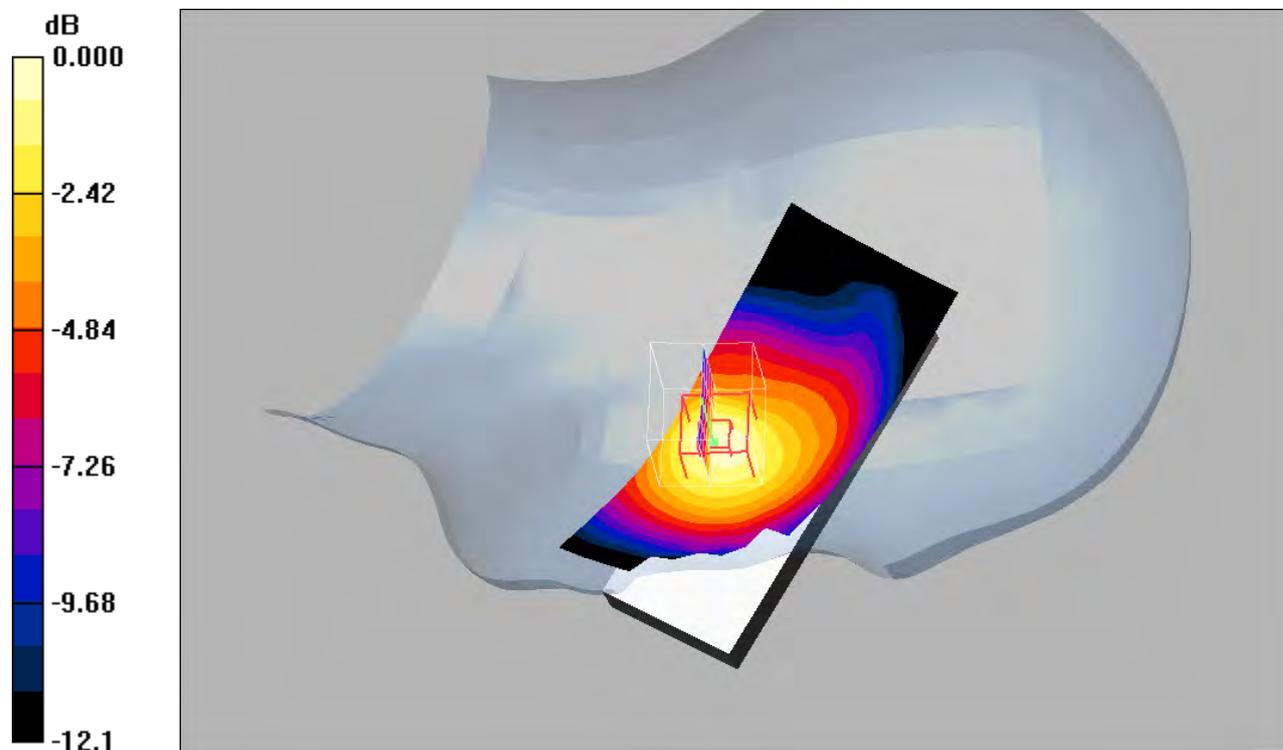
**Left Cheek High/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.4 V/m; Power Drift = 0.065 dB

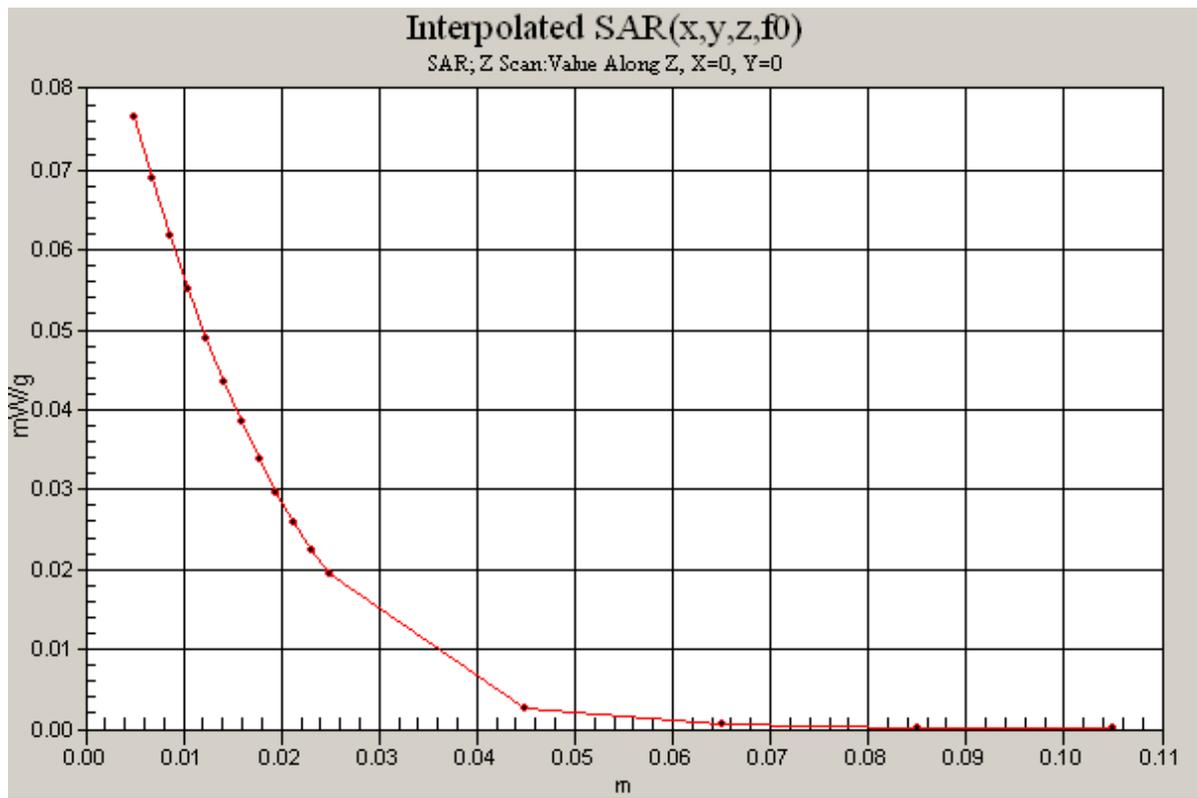
Peak SAR (extrapolated) = 1.49 W/kg

**SAR(1 g) = 0.891 mW/g; SAR(10 g) = 0.579 mW/g**

Maximum value of SAR (measured) = 0.981 mW/g



0 dB = 0.981mW/g



Date/Time: 2009-03-18 11:09:19

Test Laboratory: Sony Ericsson Mobile Communications  
 File Name: [Data\\_15mm\\_GSM1900\\_090318\\_RP.da4](#)

**DUT: PY7A3880035 (W995a) ; Type: GSM+UMTS+Wlan; Serial: #14710**  
**Program Name: SAR Measurement on the Body**

Communication System: GSM1900\_GPRS; Frequency: 1880 MHz; Duty Cycle: 1:4.15  
 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.57$  mho/m;  $\epsilon_r = 53.6$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1569; ConvF(4.42, 4.42, 4.42); Calibrated: 2009-01-12
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn428; Calibrated: 2009-01-09
- Phantom: SAM 5; Type: SAM; Serial: 1352
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 171

**15mm, Middle GPRS/Area Scan (61x111x1):** Measurement grid: dx=10mm, dy=10mm  
 Maximum value of SAR (interpolated) = 0.814 mW/g

**15mm, Middle GPRS/Zoom Scan 2 (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

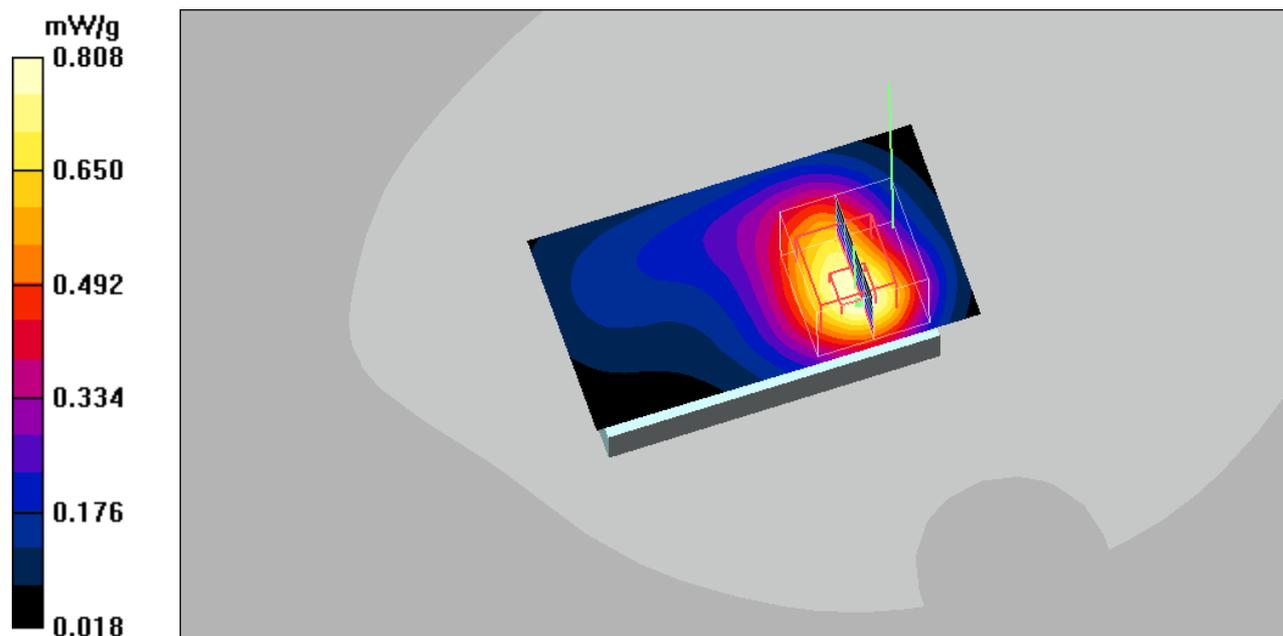
Reference Value = 15.2 V/m; Power Drift = -0.037 dB

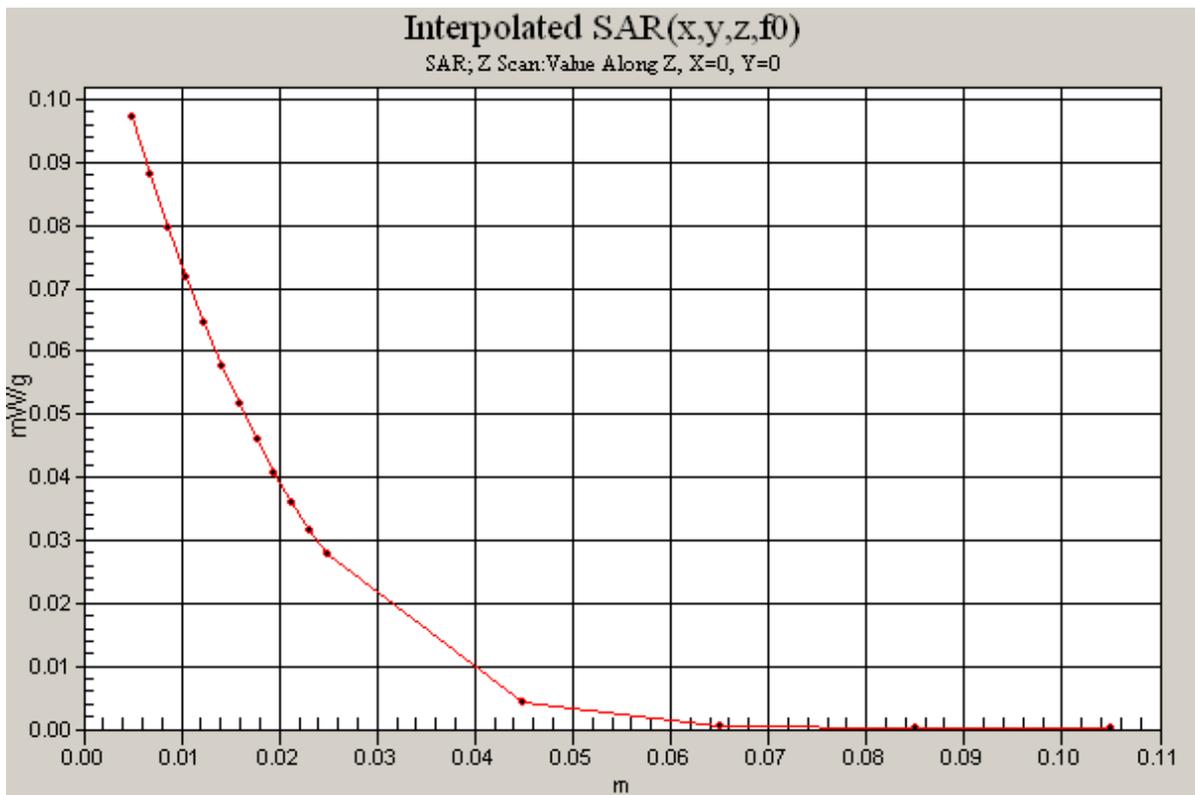
Peak SAR (extrapolated) = 1.20 W/kg

**SAR(1 g) = 0.739 mW/g; SAR(10 g) = 0.438 mW/g**

Maximum value of SAR (measured) = 0.808 mW/g

**15mm, Middle GPRS/Z Scan (1x1x16):** Measurement grid: dx=20mm, dy=20mm, dz=20mm  
 Maximum value of SAR (interpolated) = 0.097 mW/g





Date/Time: 2009-03-19 17:17:47

Test Laboratory: Sony Ericsson Mobile Communications  
 File Name: [Data\\_15mm\\_GSM850\\_090319\\_RP.da4](#)

**DUT: PY7A3880035 (W995a) ; Type: GSM+UMTS+Wlan; Serial: #14710**  
**Program Name: SAR Measurement on the Body**

Communication System: GSM835MHz\_GPRS2Slots; Frequency: 848.8 MHz;Duty Cycle: 1:4.15  
 Medium parameters used (interpolated):  $f = 848.8$  MHz;  $\sigma = 0.997$  mho/m;  $\epsilon_r = 53$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom section: Flat Section

#### DASY4 Configuration:

- Probe: ET3DV6 - SN1569; ConvF(6.22, 6.22, 6.22); Calibrated: 2009-01-12
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn428; Calibrated: 2009-01-09
- Phantom: SAM 5; Type: SAM; Serial: 1352
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 171

**15mm, High GPRS/Area Scan (61x111x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 1.40 mW/g

**15mm, High GPRS/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 26.9 V/m; Power Drift = -0.090 dB

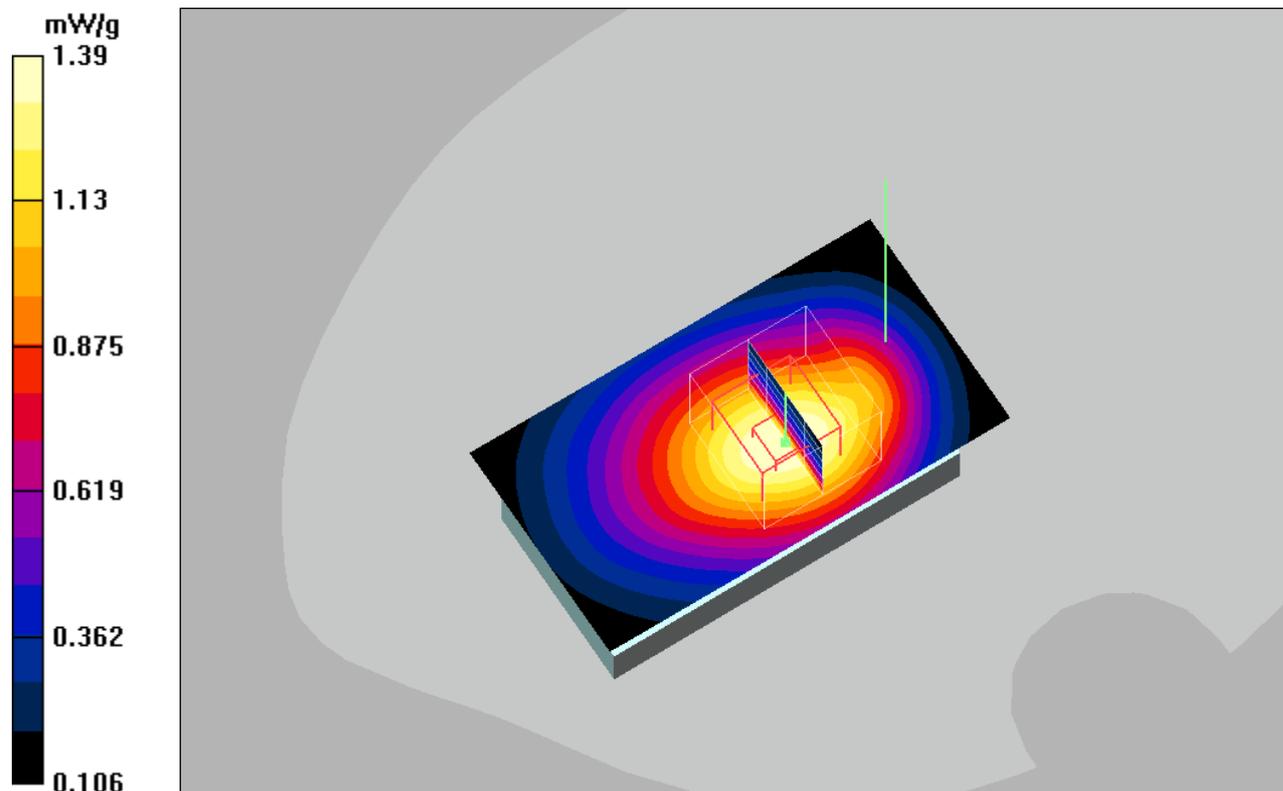
Peak SAR (extrapolated) = 1.72 W/kg

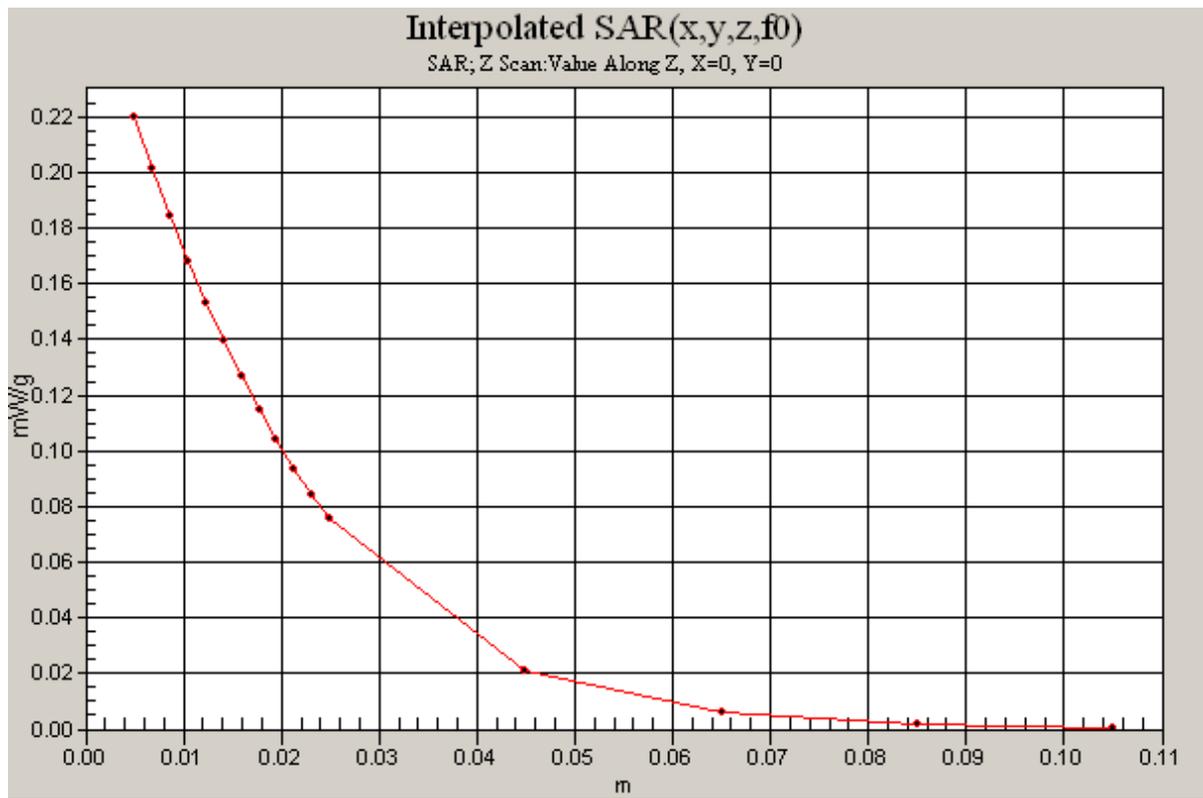
**SAR(1 g) = 1.3 mW/g; SAR(10 g) = 0.913 mW/g**

Maximum value of SAR (measured) = 1.39 mW/g

**15mm, High GPRS/Z Scan (1x1x16):** Measurement grid: dx=20mm, dy=20mm, dz=20mm

Maximum value of SAR (interpolated) = 0.220 mW/g





Date/Time: 2009-03-18 11:57:43

Test Laboratory: Sony Ericsson Mobile Communications  
 File Name: [Data\\_15mm\\_GSM1900\\_090318\\_RP.da4](#)

**DUT: PY7A3880035 (W995a) ; Type: GSM+UMTS+Wlan; Serial: #14710**  
**Program Name: SAR Measurement on the Body**

Communication System: GSM1900\_GPRS; Frequency: 1880 MHz; Duty Cycle: 1:4.15  
 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.57$  mho/m;  $\epsilon_r = 53.6$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1569; ConvF(4.42, 4.42, 4.42); Calibrated: 2009-01-12
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn428; Calibrated: 2009-01-09
- Phantom: SAM 5; Type: SAM; Serial: 1352
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 171

**15mm, Middle GPRS front/Area Scan (61x111x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.356 mW/g

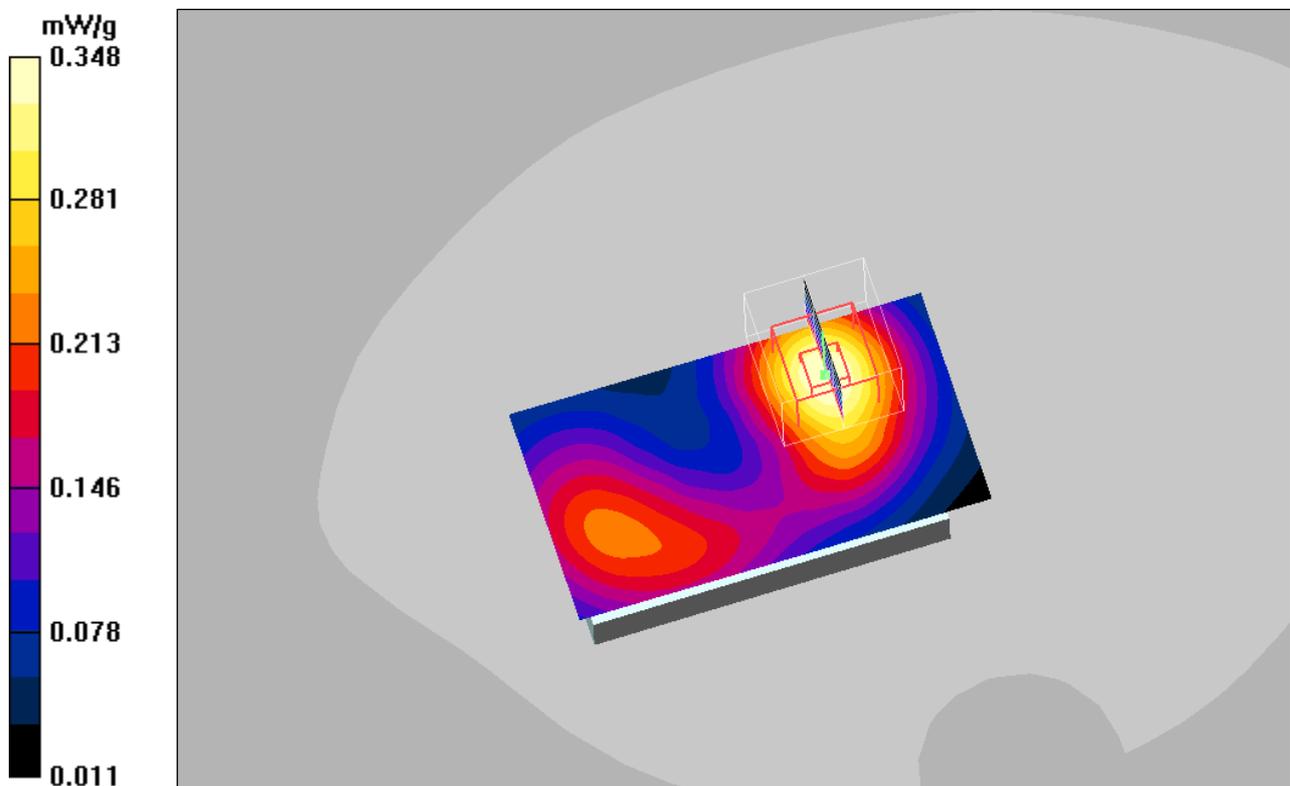
**15mm, Middle GPRS front/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.6 V/m; Power Drift = 0.014 dB

Peak SAR (extrapolated) = 0.492 W/kg

**SAR(1 g) = 0.321 mW/g; SAR(10 g) = 0.197 mW/g**

Maximum value of SAR (measured) = 0.348 mW/g



Date/Time: 2009-03-20 09:51:25

Test Laboratory: Sony Ericsson Mobile Communications  
 File Name: [Data\\_15mm\\_GSM850\\_090319\\_RP.da4](#)

**DUT: PY7A3880035 (W995a) ; Type: GSM+UMTS+Wlan; Serial: #14710**  
**Program Name: SAR Measurement on the Body**

Communication System: GSM835MHz\_GPRS2Slots; Frequency: 848.8 MHz; Duty Cycle: 1:4.15  
 Medium parameters used (interpolated):  $f = 848.8$  MHz;  $\sigma = 0.997$  mho/m;  $\epsilon_r = 53$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1569; ConvF(6.22, 6.22, 6.22); Calibrated: 2009-01-12
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn428; Calibrated: 2009-01-09
- Phantom: SAM 5; Type: SAM; Serial: 1352
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 171

**15mm, High GPRS front/Area Scan (61x111x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.712 mW/g

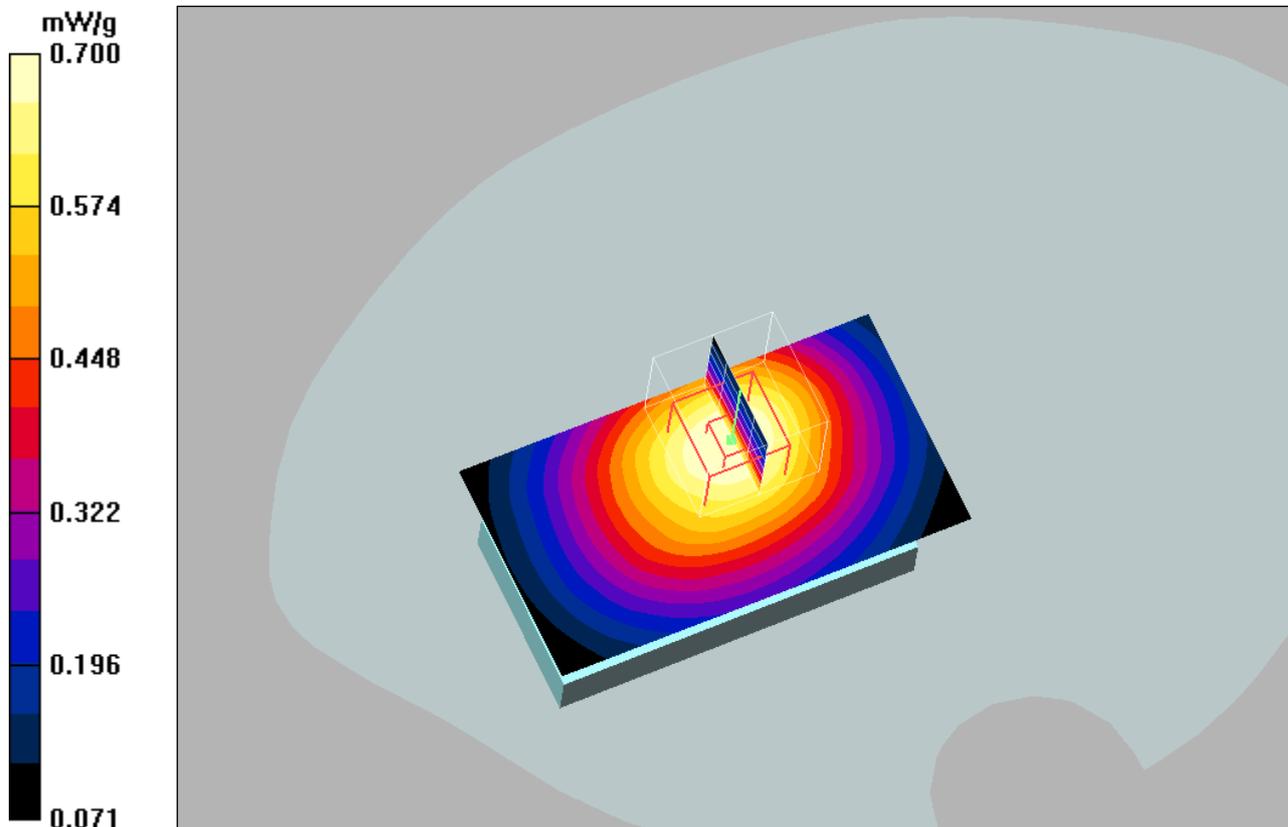
**15mm, High GPRS front/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.9 V/m; Power Drift = -0.071 dB

Peak SAR (extrapolated) = 0.838 W/kg

**SAR(1 g) = 0.660 mW/g; SAR(10 g) = 0.484 mW/g**

Maximum value of SAR (measured) = 0.700 mW/g



Date/Time: 2009-03-24 11:41:15

Test Laboratory: Sony Ericsson Mobile Communications  
 File Name: [Closed\\_Right\\_Wlan\\_090324\\_RP.da4](#)

**DUT: PY7A3880035 (W995a) ; Type: GSM+UMTS+Wlan; Serial: #14713**  
**Program Name: SAR Measurement on the Head**

Communication System: WLAN; Frequency: 2437 MHz; Duty Cycle: 1:1  
 Medium parameters used (interpolated):  $f = 2437$  MHz;  $\sigma = 1.89$  mho/m;  $\epsilon_r = 38.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom section: Right Section

**DASY4 Configuration:**

- Probe: ET3DV6 - SN1569; ConvF(4.32, 4.32, 4.32); Calibrated: 2009-01-12
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)) Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn428; Calibrated: 2009-01-09
- Phantom: SAM 5; Type: SAM; Serial: 1352
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 171

**Right Tilt 6/Area Scan (61x11x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.324 mW/g

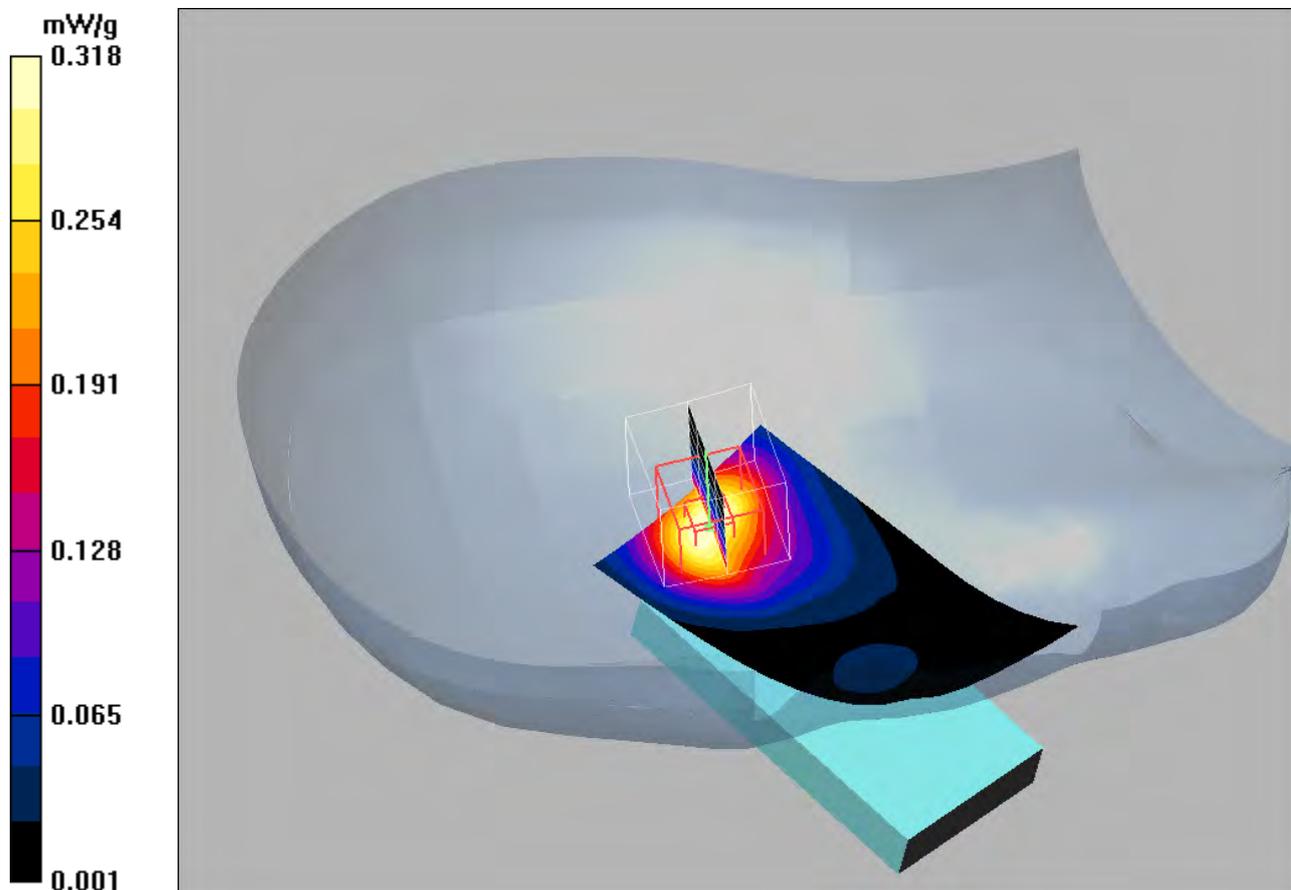
**Right Tilt 6/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.1 V/m; Power Drift = 0.031 dB

Peak SAR (extrapolated) = 0.567 W/kg

**SAR(1 g) = 0.284 mW/g; SAR(10 g) = 0.148 mW/g**

Maximum value of SAR (measured) = 0.318 mW/g



Date/Time: 2009-03-05 13:57:23

Test Laboratory: Sony Ericsson Mobile Communications  
 File Name: [Close\\_right\\_UMTS5\\_090305\\_RP.da4](#)

**DUT: PY7A3880035 (W995a) ; Type: GSM+UMTS+Wlan; Serial: #14710**  
**Program Name: SAR Measurement on the Head**

Communication System: UMTS\_band5; Frequency: 836.6 MHz; Duty Cycle: 1:1  
 Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 0.89$  mho/m;  $\epsilon_r = 42.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1569; ConvF(6.36, 6.36, 6.36); Calibrated: 2009-01-12
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn428; Calibrated: 2009-01-09
- Phantom: SAM 6; Type: SAM; Serial: 1351
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 171

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

Maximum value of SAR (interpolated) = 0.337 mW/g

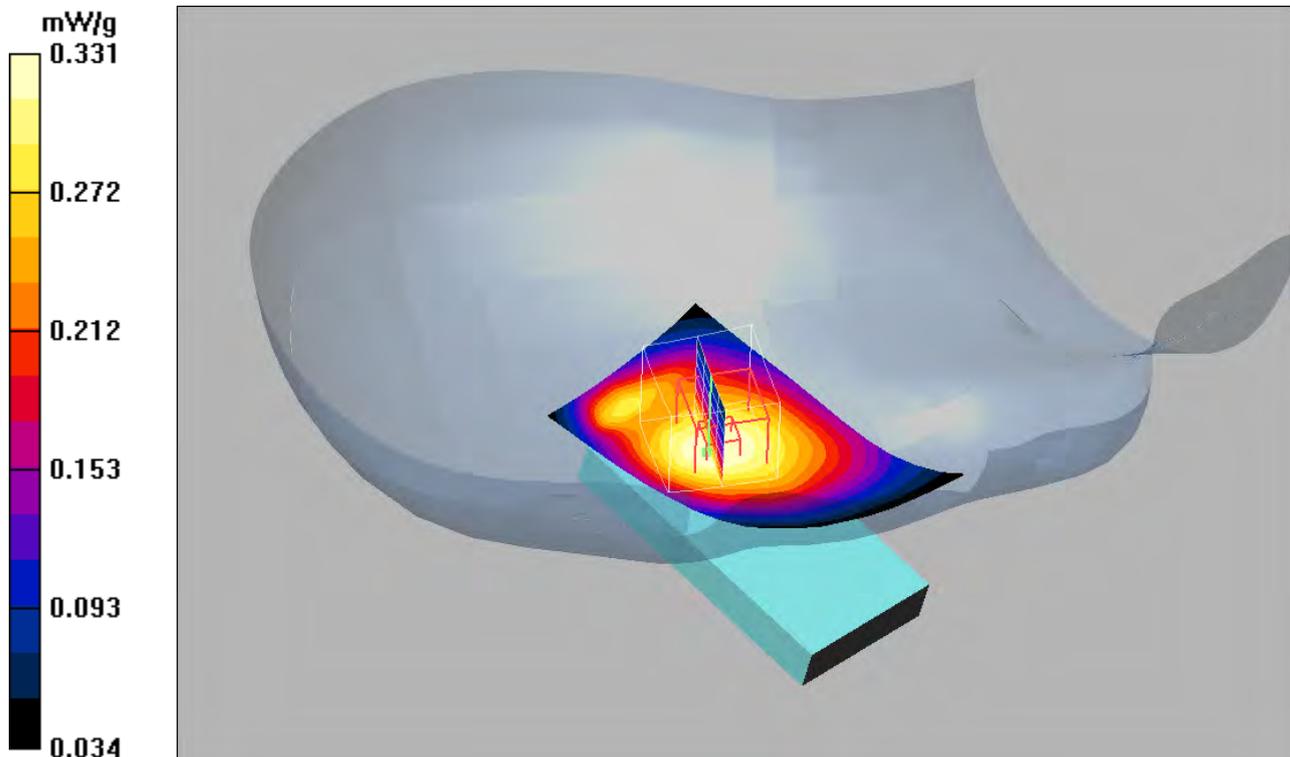
**Right Tilt Middle/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.5 V/m; Power Drift = 0.126 dB

Peak SAR (extrapolated) = 0.407 W/kg

**SAR(1 g) = 0.315 mW/g; SAR(10 g) = 0.235 mW/g**

Maximum value of SAR (measured) = 0.331 mW/g



Date/Time: 2009-03-17 13:50:58

Test Laboratory: Sony Ericsson Mobile Communications  
 File Name: [Close\\_right\\_UMTS2\\_090317\\_RP.da4](#)

**DUT: PY7A3880035 (W995a) ; Type: GSM+UMTS+Wlan; Serial: #14710**  
**Program Name: SAR Measurement on the Head**

Communication System: UMTS\_band2; Frequency: 1880 MHz; Duty Cycle: 1:1  
 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.44$  mho/m;  $\epsilon_r = 38.4$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1569; ConvF(4.99, 4.99, 4.99); Calibrated: 2009-01-12
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn428; Calibrated: 2009-01-09
- Phantom: SAM 5; Type: SAM; Serial: 1352
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 171

**Right Tilt Middle/Area Scan (61x111x1):** Measurement grid: dx=10mm, dy=10mm  
 Maximum value of SAR (interpolated) = 0.663 mW/g

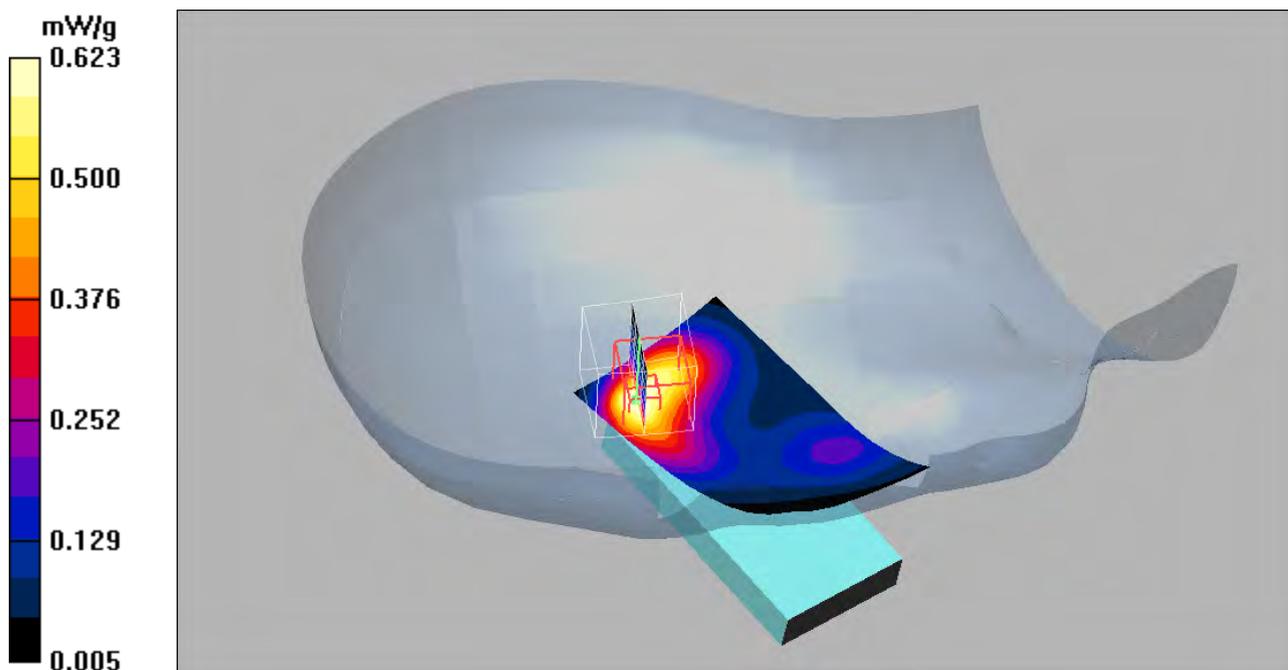
**Right Tilt Middle/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 20.5 V/m; Power Drift = 0.137 dB

Peak SAR (extrapolated) = 0.988 W/kg

**SAR(1 g) = 0.568 mW/g; SAR(10 g) = 0.330 mW/g**

Maximum value of SAR (measured) = 0.623 mW/g



Date/Time: 2009-03-16 10:00:10

Test Laboratory: Sony Ericsson Mobile Communications  
 File Name: [Close\\_right\\_GSM1900\\_090316\\_RP.da4](#)

**DUT: AAD-3880035-BV (W995a) ; Type: GSM+UMTS+Wlan; Serial: #14710**  
**Program Name: SAR Measurement on the Head**

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/m<sup>3</sup>  
 Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1569; ConvF(4.99, 4.99, 4.99); Calibrated: 2009-01-12
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)) Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn428; Calibrated: 2009-01-09
- Phantom: SAM 5; Type: SAM; Serial: 1352
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 171

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

Maximum value of SAR (interpolated) = 0.585 mW/g

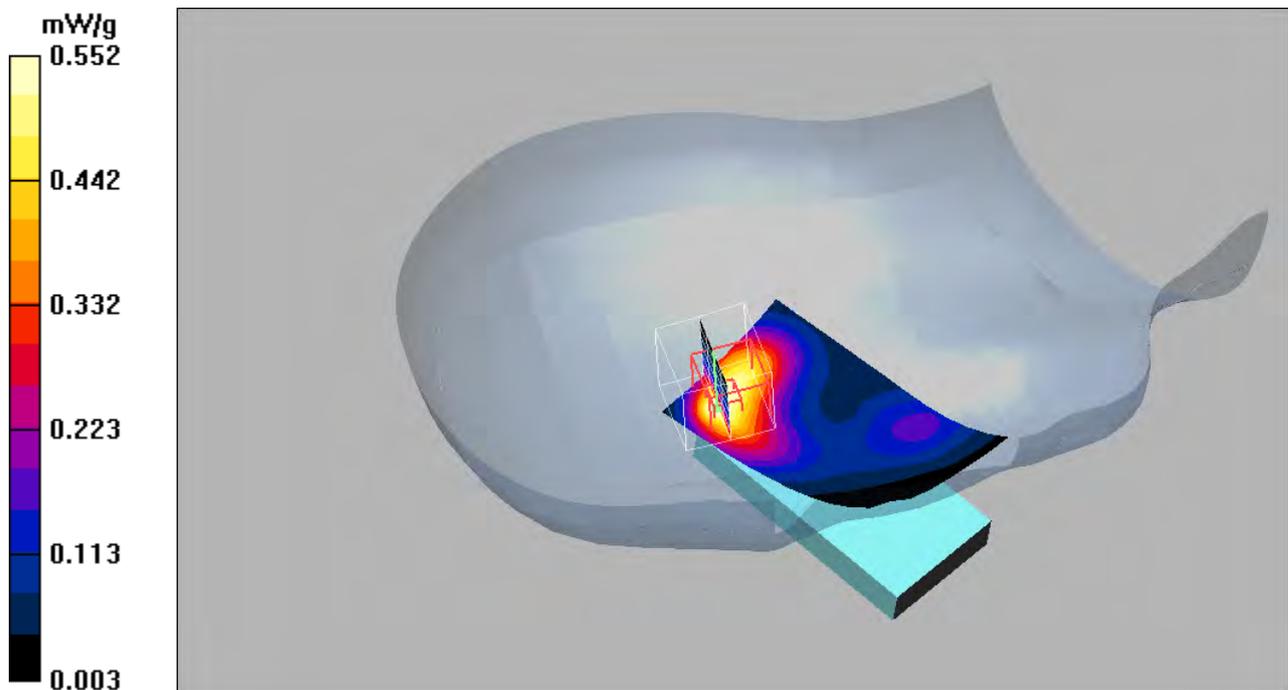
**Right Tilt Middle/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 19.1 V/m; Power Drift = 0.007 dB

Peak SAR (extrapolated) = 0.873 W/kg

**SAR(1 g) = 0.501 mW/g; SAR(10 g) = 0.287 mW/g.**

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



Date/Time: 2009-03-04 11:42:05

Test Laboratory: Sony Ericsson Mobile Communications  
 File Name: [Close\\_right\\_GSM850\\_090304\\_RP.da4](#)

**DUT: PY7A3880035 (W995a) ; Type: GSM+UMTS+Wlan; Serial: #14710**  
**Program Name: SAR Measurement on the Head**

Communication System: GSM835MHz; Frequency: 836.6 MHz; Duty Cycle: 1:8.3  
 Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 0.89$  mho/m;  $\epsilon_r = 42.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1569; ConvF(6.36, 6.36, 6.36); Calibrated: 2009-01-12
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn428; Calibrated: 2009-01-09
- Phantom: SAM 6; Type: SAM; Serial: 1351
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 171

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

Maximum value of SAR (interpolated) = 0.362 mW/g

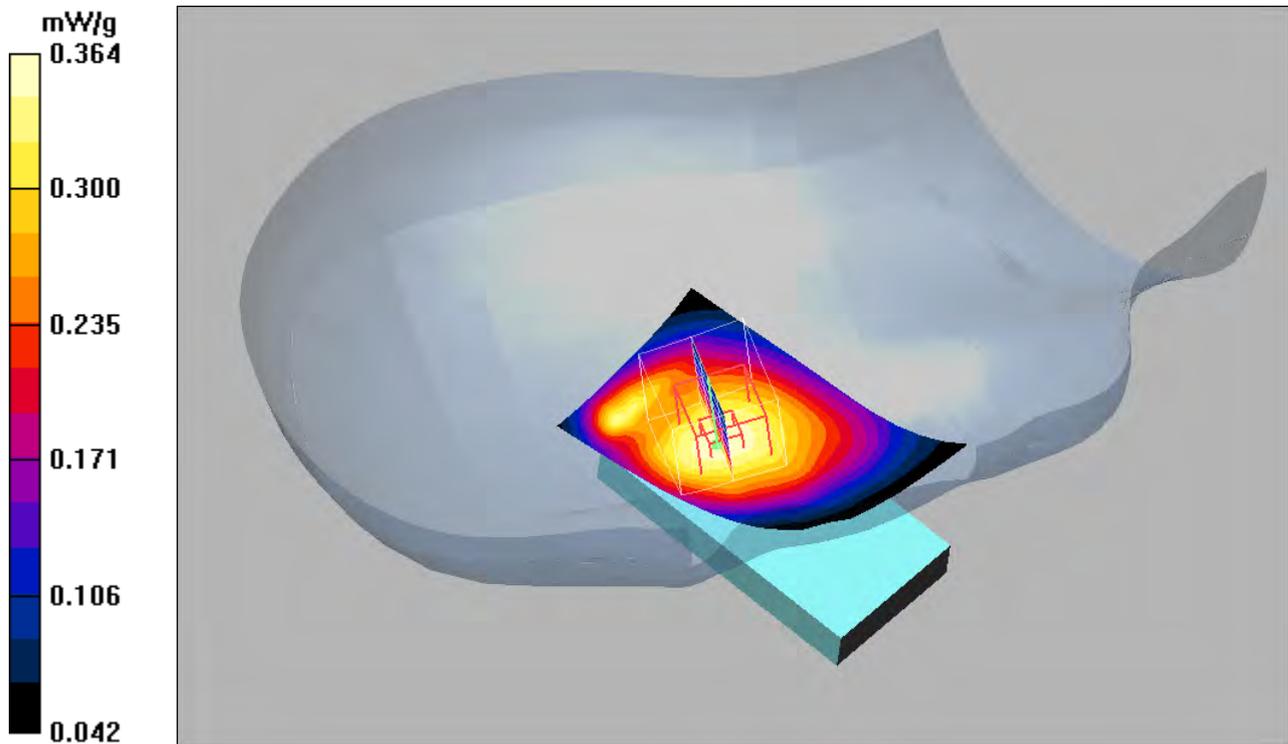
**Right Tilt Middle/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.3 V/m; Power Drift = -0.022 dB

Peak SAR (extrapolated) = 0.436 W/kg

**SAR(1 g) = 0.345 mW/g; SAR(10 g) = 0.259 mW/g**

Maximum value of SAR (measured) = 0.364 mW/g



Date/Time: 2009-03-24 12:00:49

Test Laboratory: Sony Ericsson Mobile Communications  
 File Name: [Closed\\_Right\\_Wlan\\_090324\\_RP.da4](#)

**DUT: PY7A3880035 (W995a) ; Type: GSM+UMTS+Wlan; Serial: #14713**  
**Program Name: SAR Measurement on the Head**

Communication System: WLAN; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 2437$  MHz;  $\sigma = 1.89$  mho/m;  $\epsilon_r = 38.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1569; ConvF(4.32, 4.32, 4.32); Calibrated: 2009-01-12

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

- Electronics: DAE3 Sn428; Calibrated: 2009-01-09

- Phantom: SAM 5; Type: SAM; Serial: 1352

- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 171

**Right Cheek 6/Area Scan (61x111x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.275 mW/g

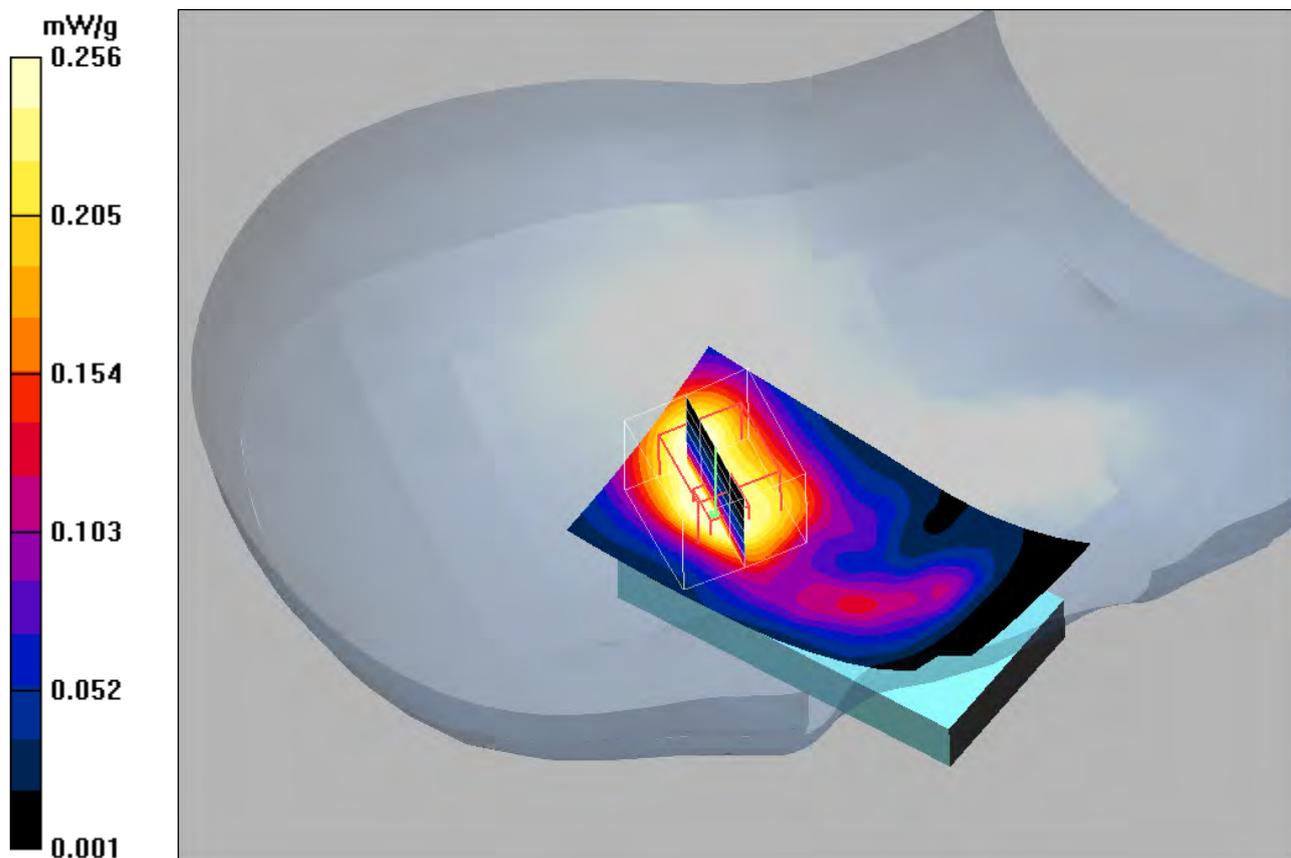
**Right Cheek 6/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.9 V/m; Power Drift = -0.040 dB

Peak SAR (extrapolated) = 0.433 W/kg

**SAR(1 g) = 0.237 mW/g; SAR(10 g) = 0.138 mW/g**

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



Date/Time: 2009-03-05 13:39:30

Test Laboratory: Sony Ericsson Mobile Communications  
 File Name: [Close\\_right\\_UMTS5\\_090305\\_RP.da4](#)

**DUT: PY7A3880035 (W995a) ; Type: GSM+UMTS+Wlan; Serial: #14710**  
**Program Name: SAR Measurement on the Head**

Communication System: UMTS\_band5; Frequency: 836.6 MHz; Duty Cycle: 1:1  
 Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 0.89$  mho/m;  $\epsilon_r = 42.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1569; ConvF(6.36, 6.36, 6.36); Calibrated: 2009-01-12
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn428; Calibrated: 2009-01-09
- Phantom: SAM 6; Type: SAM; Serial: 1351
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 171

**Right Cheek Middle/Area Scan (61x111x1):** Measurement grid: dx=10mm, dy=10mm  
 Maximum value of SAR (interpolated) = 0.759 mW/g

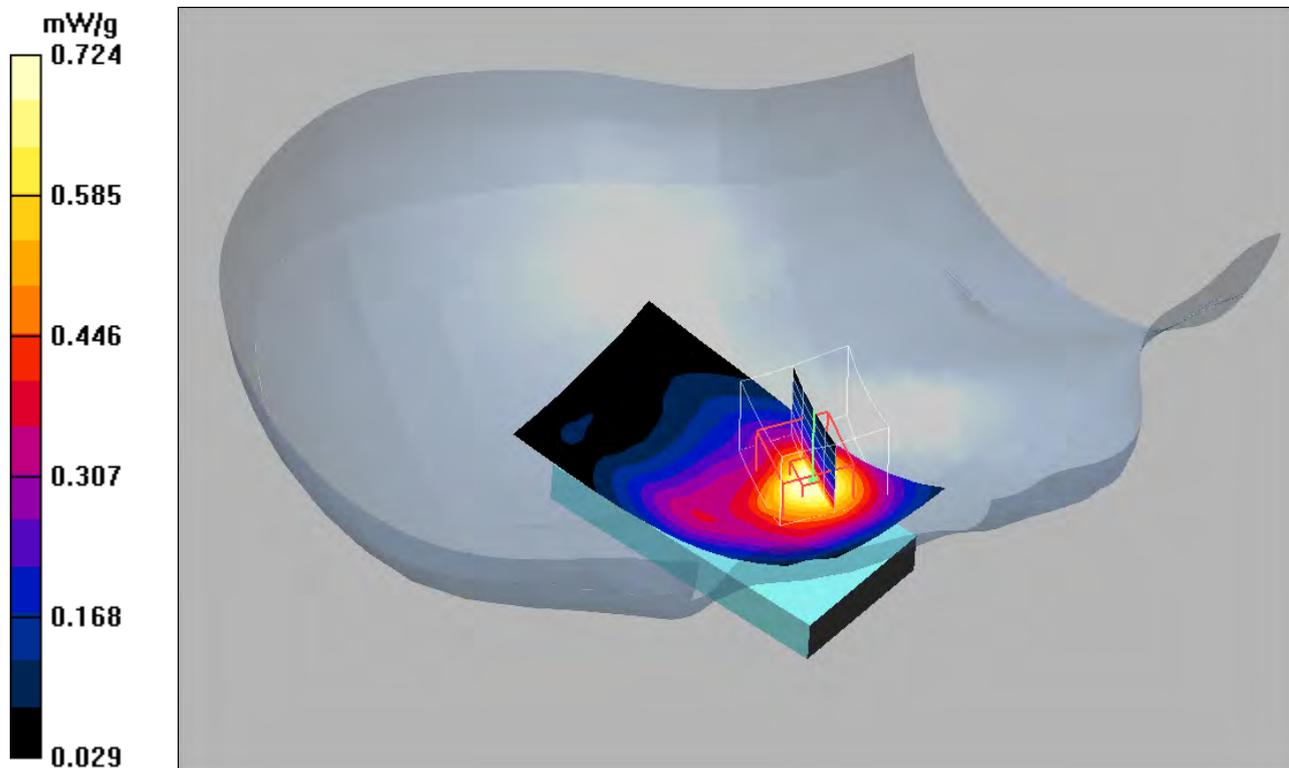
**Right Cheek Middle/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.12 V/m; Power Drift = -0.140 dB

Peak SAR (extrapolated) = 1.10 W/kg

**SAR(1 g) = 0.661 mW/g; SAR(10 g) = 0.404 mW/g**

Maximum value of SAR (measured) = 0.724 mW/g



Date/Time: 2009-03-17 15:47:26

Test Laboratory: Sony Ericsson Mobile Communications  
 File Name: [Close\\_right\\_UMTS2\\_090317\\_RP.da4](#)

**DUT: PY7A3880035 (W995a) ; Type: GSM+UMTS+Wlan; Serial: #14710**  
**Program Name: SAR Measurement on the Head**

Communication System: UMTS\_band2; Frequency: 1880 MHz; Duty Cycle: 1:1  
 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.44$  mho/m;  $\epsilon_r = 38.4$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1569; ConvF(4.99, 4.99, 4.99); Calibrated: 2009-01-12
- Sensor-Surface: 4mm (Mechanical Surface Detection) Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn428; Calibrated: 2009-01-09
- Phantom: SAM 5; Type: SAM; Serial: 1352
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 171

**Right Cheek Middle 2/Area Scan (61x11x1):** Measurement grid: dx=10mm, dy=10mm  
 Maximum value of SAR (interpolated) = 1.39 mW/g

**Right Cheek Middle 2/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

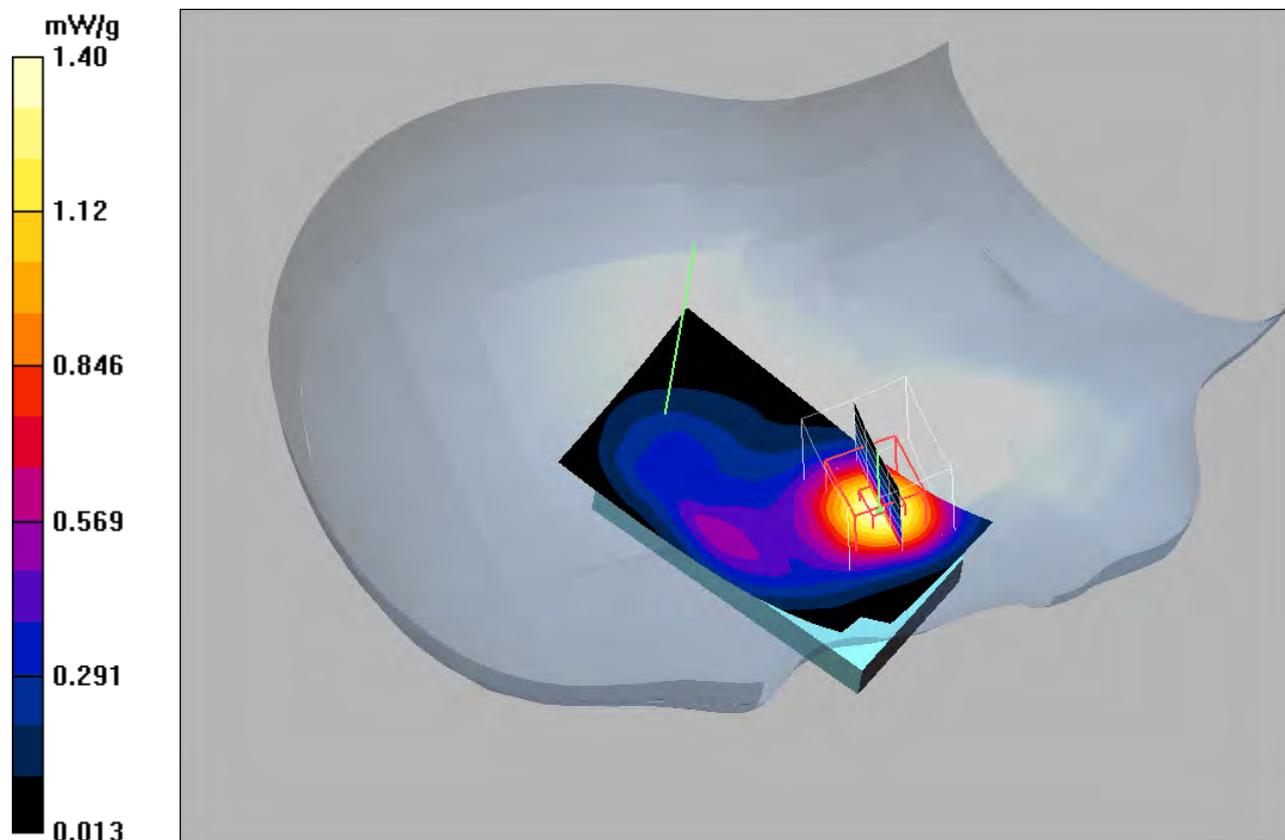
Reference Value = 13.9 V/m; Power Drift = 0.030 dB

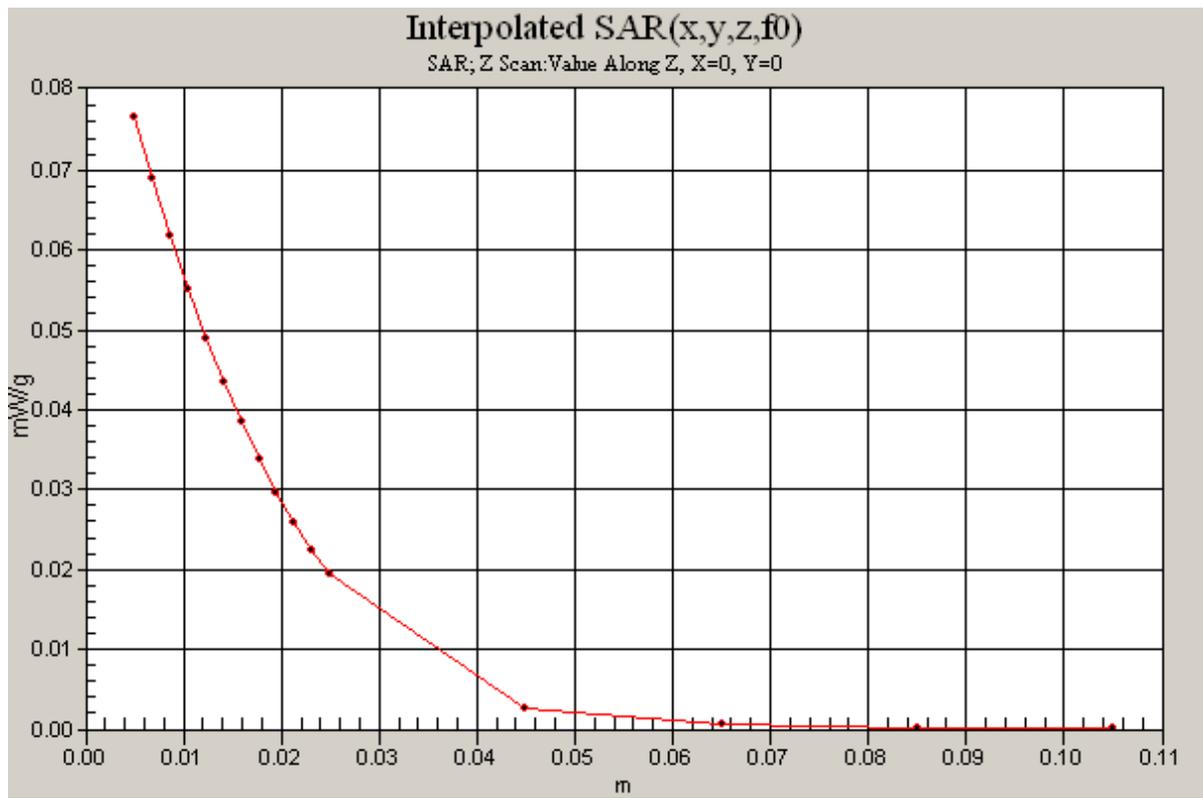
Peak SAR (extrapolated) = 2.04 W/kg

**SAR(1 g) = 1.25 mW/g; SAR(10 g) = 0.696 mW/g**

Maximum value of SAR (measured) = 1.40 mW/g

**Right Cheek Middle 2/Z Scan (1x1x16):** Measurement grid: dx=20mm, dy=20mm, dz=20mm  
 Maximum value of SAR (interpolated) = 0.077 mW/g





Date/Time: 2009-03-16 10:58:03

Test Laboratory: Sony Ericsson Mobile Communications  
 File Name: [Close\\_right\\_GSM1900\\_090316\\_RP.da4](#)

**DUT: PY7A3880035 (W995a) ; Type: GSM+UMTS+Wlan; Serial: #14710**  
**Program Name: SAR Measurement on the Head**

Communication System: GSM 1900; Frequency: 1850.2 MHz; Duty Cycle: 1:8.3

Medium parameters used (interpolated):  $f = 1850.2$  MHz;  $\sigma = 1.39$  mho/m;  $\epsilon_r = 38.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1569; ConvF(4.99, 4.99, 4.99); Calibrated: 2009-01-12
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)) Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn428; Calibrated: 2009-01-09
- Phantom: SAM 5; Type: SAM; Serial: 1352
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 171

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

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

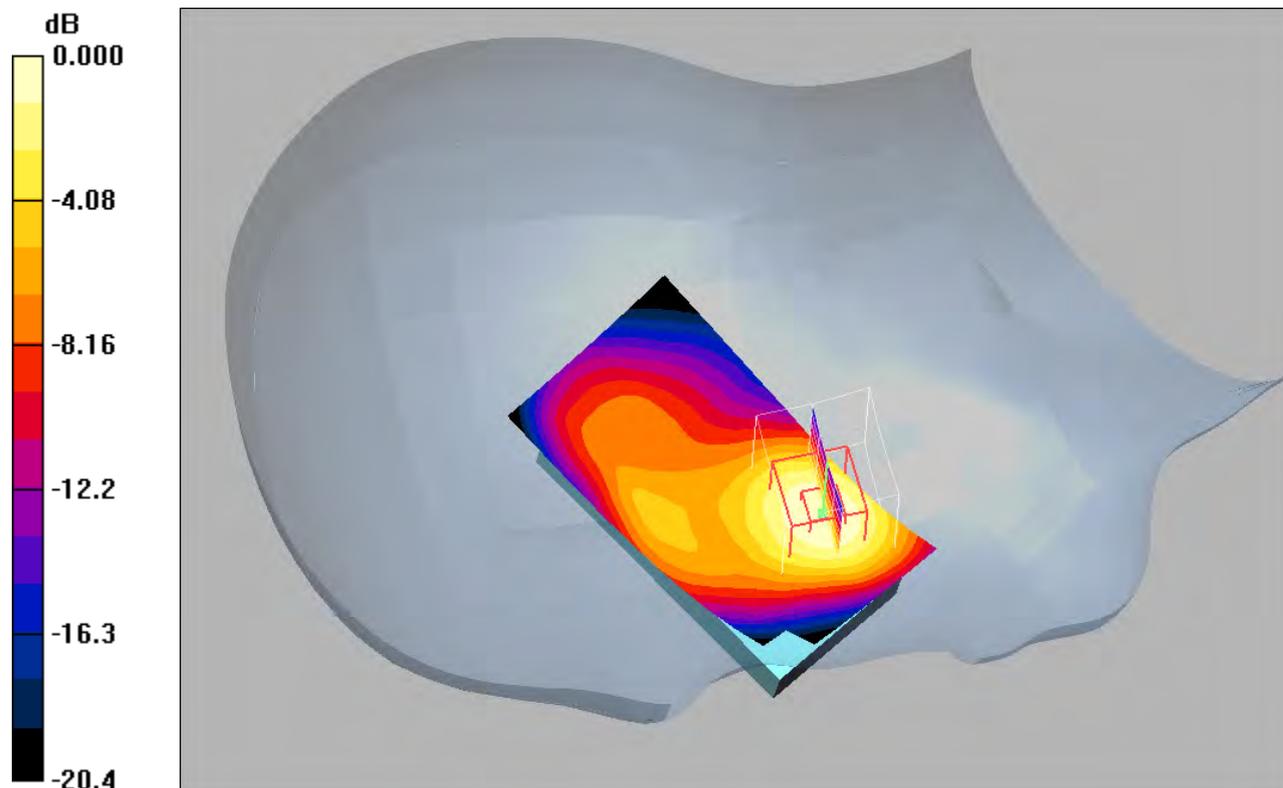
**Right Cheek Low/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.3 V/m; Power Drift = 0.038 dB

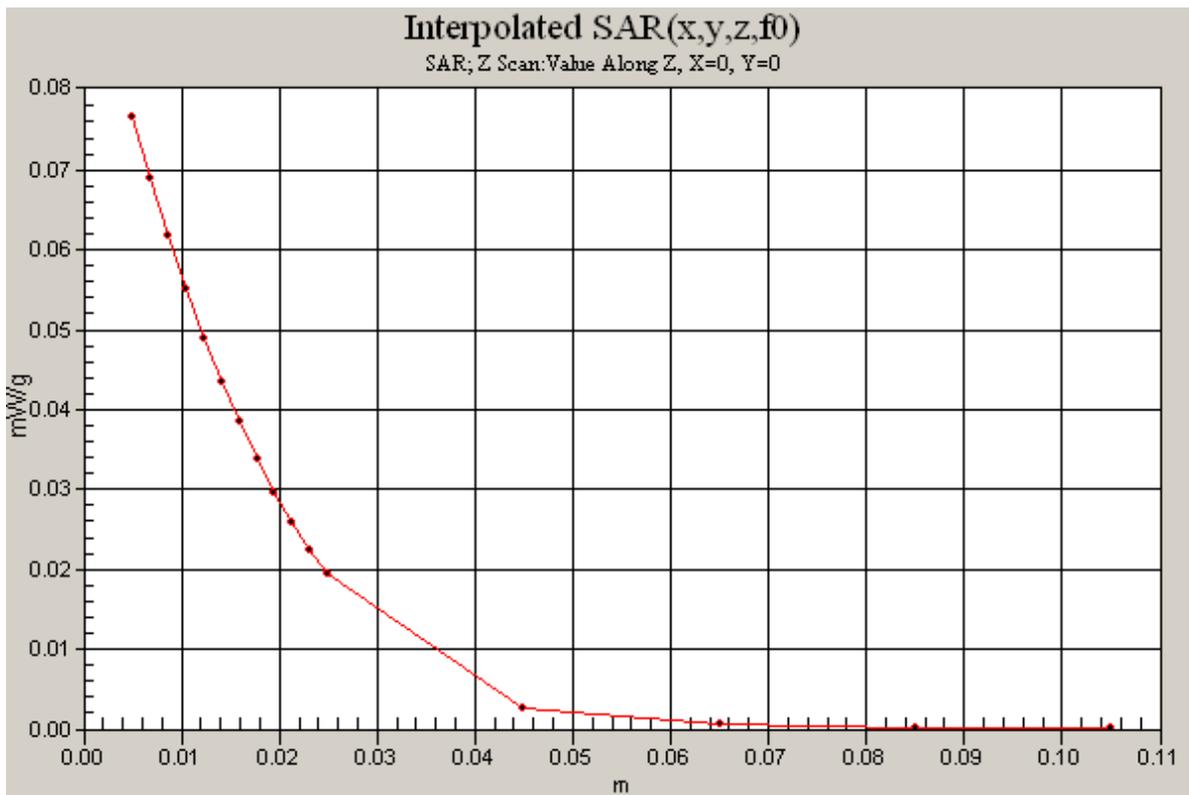
Peak SAR (extrapolated) = 1.94 W/kg

**SAR(1 g) = 1.19 mW/g; SAR(10 g) = 0.660 mW/g**

Maximum value of SAR (measured) = 1.35 mW/g



0 dB = 1.35mW/g



Date/Time: 2009-03-04 11:22:53

Test Laboratory: Sony Ericsson Mobile Communications  
 File Name: [Close\\_right\\_GSM850\\_090304\\_RP.da4](#)

**DUT: PY7A3880035 (W995a) ; Type: GSM+UMTS+Wlan; Serial: #14710**  
**Program Name: SAR Measurement on the Head**

Communication System: GSM835MHz; Frequency: 836.6 MHz; Duty Cycle: 1:8.3  
 Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 0.89$  mho/m;  $\epsilon_r = 42.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1569; ConvF(6.36, 6.36, 6.36); Calibrated: 2009-01-12
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn428; Calibrated: 2009-01-09
- Phantom: SAM 6; Type: SAM; Serial: 1351
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 171

**Right Cheek Middle/Area Scan (61x111x1):** Measurement grid: dx=10mm, dy=10mm  
 Maximum value of SAR (interpolated) = 0.963 mW/g

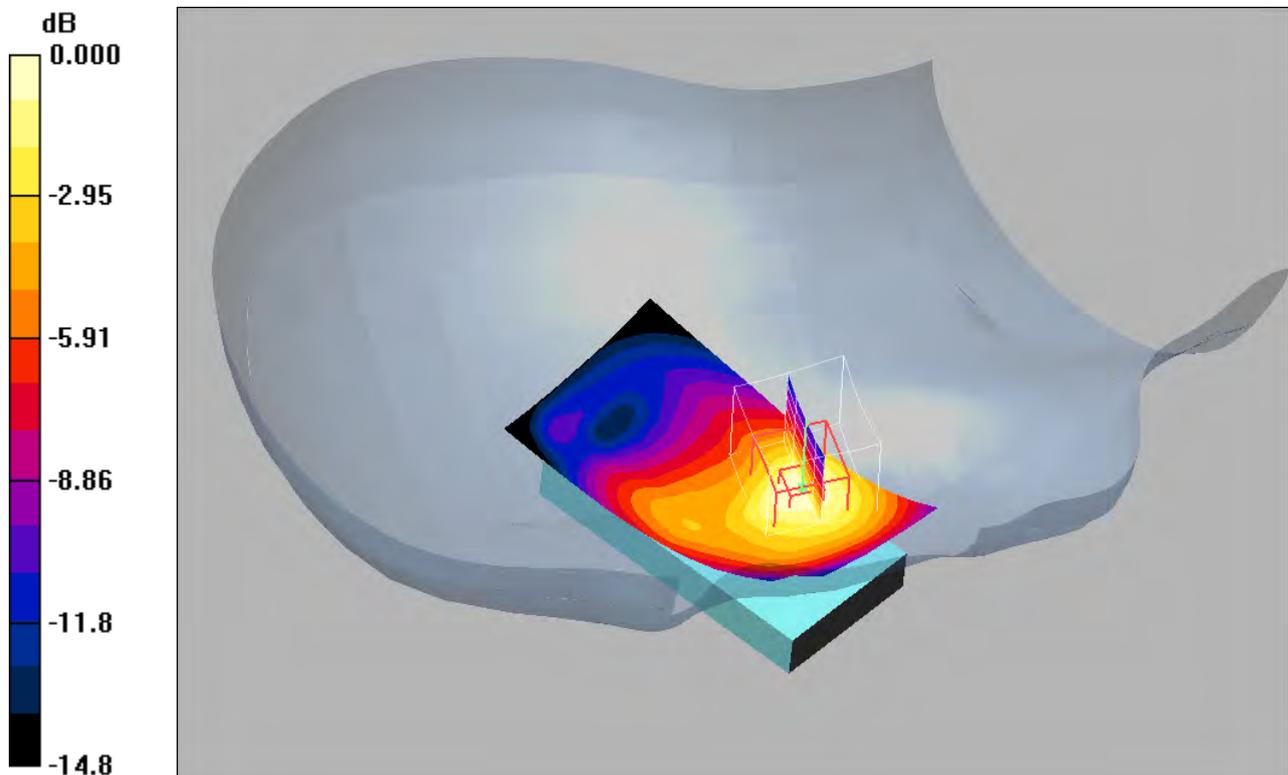
**Right Cheek Middle/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.65 V/m; Power Drift = -0.028 dB

Peak SAR (extrapolated) = 1.48 W/kg

**SAR(1 g) = 0.822 mW/g; SAR(10 g) = 0.470 mW/g**

Maximum value of SAR (measured) = 0.915 mW/g



0 dB = 0.915mW/g

Date/Time: 2009-03-24 18:05:08

Test Laboratory: Sony Ericsson Mobile Communications  
 File Name: [Close\\_Left\\_WLAN\\_090324\\_RP.da4](#)

**DUT: PY7A3880035 (W995a) ; Type: GSM+UMTS+Wlan; Serial: #14713**  
**Program Name: SAR Measurement on the Head**

Communication System: WLAN; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 2437$  MHz;  $\sigma = 1.89$  mho/m;  $\epsilon_r = 38.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1569; ConvF(4.32, 4.32, 4.32); Calibrated: 2009-01-12

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

- Electronics: DAE3 Sn428; Calibrated: 2009-01-09

- Phantom: SAM 5; Type: SAM; Serial: 1352

- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 171

**Left Tilt 6/Area Scan (61x111x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.310 mW/g

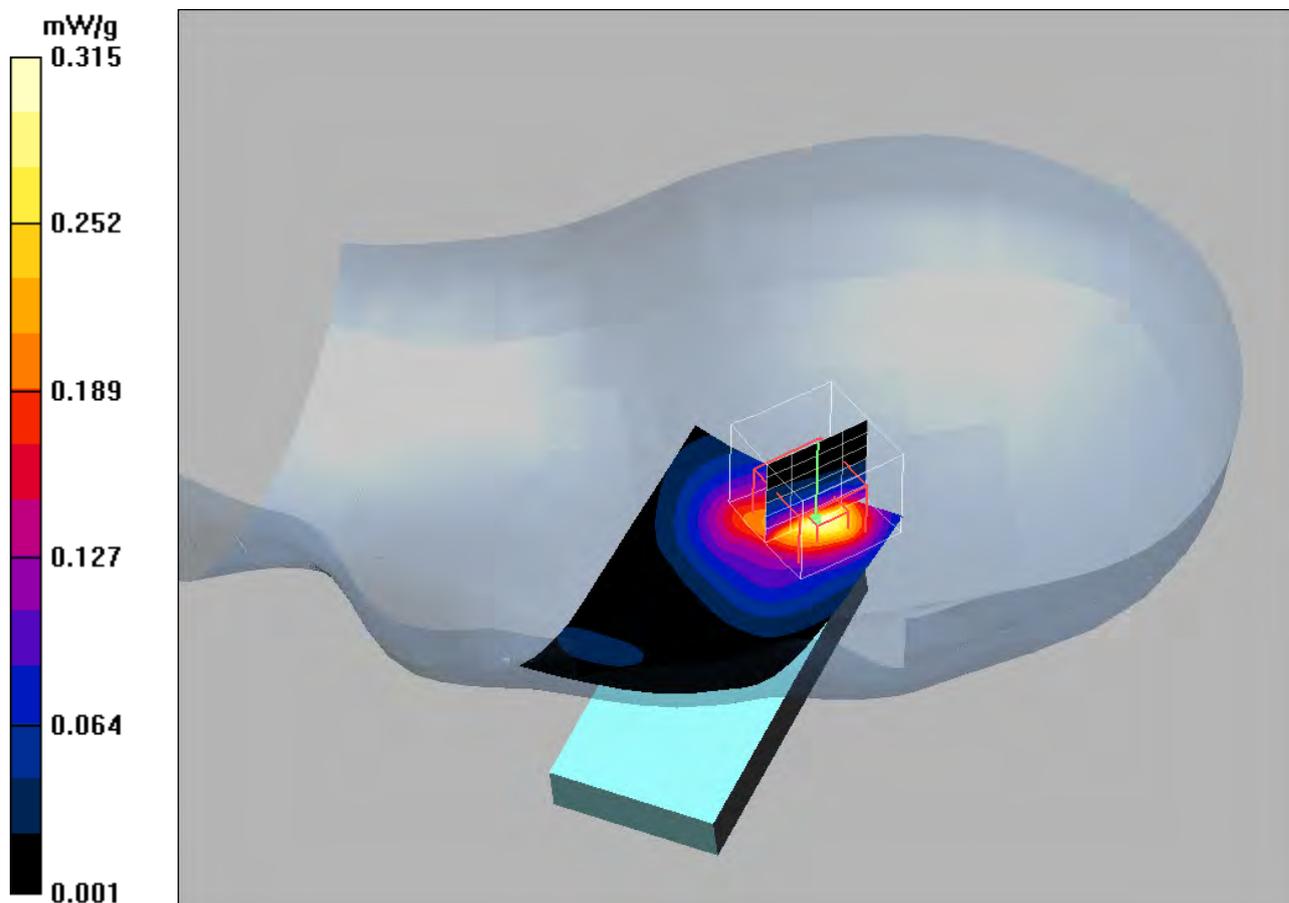
**Left Tilt 6/Zoom Scan 2 (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.5 V/m; Power Drift = 0.008 dB

Peak SAR (extrapolated) = 0.700 W/kg

**SAR(1 g) = 0.286 mW/g; SAR(10 g) = 0.133 mW/g**

Maximum value of SAR (measured) = 0.315 mW/g



Date/Time: 2009-03-05 10:23:43

Test Laboratory: Sony Ericsson Mobile Communications  
 File Name: [Close\\_Left\\_UMTS5\\_090305\\_RP.da4](#)

**DUT: PY7A3880035 (W995a) ; Type: GSM+UMTS+Wlan; Serial: #14710**  
**Program Name: SAR Measurement on the Head**

Communication System: UMTS\_band5; Frequency: 836.6 MHz; Duty Cycle: 1:1  
 Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 0.89$  mho/m;  $\epsilon_r = 42.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1569; ConvF(6.36, 6.36, 6.36); Calibrated: 2009-01-12
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn428; Calibrated: 2009-01-09
- Phantom: SAM 6; Type: SAM; Serial: 1351
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 171

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

Maximum value of SAR (interpolated) = 0.395 mW/g

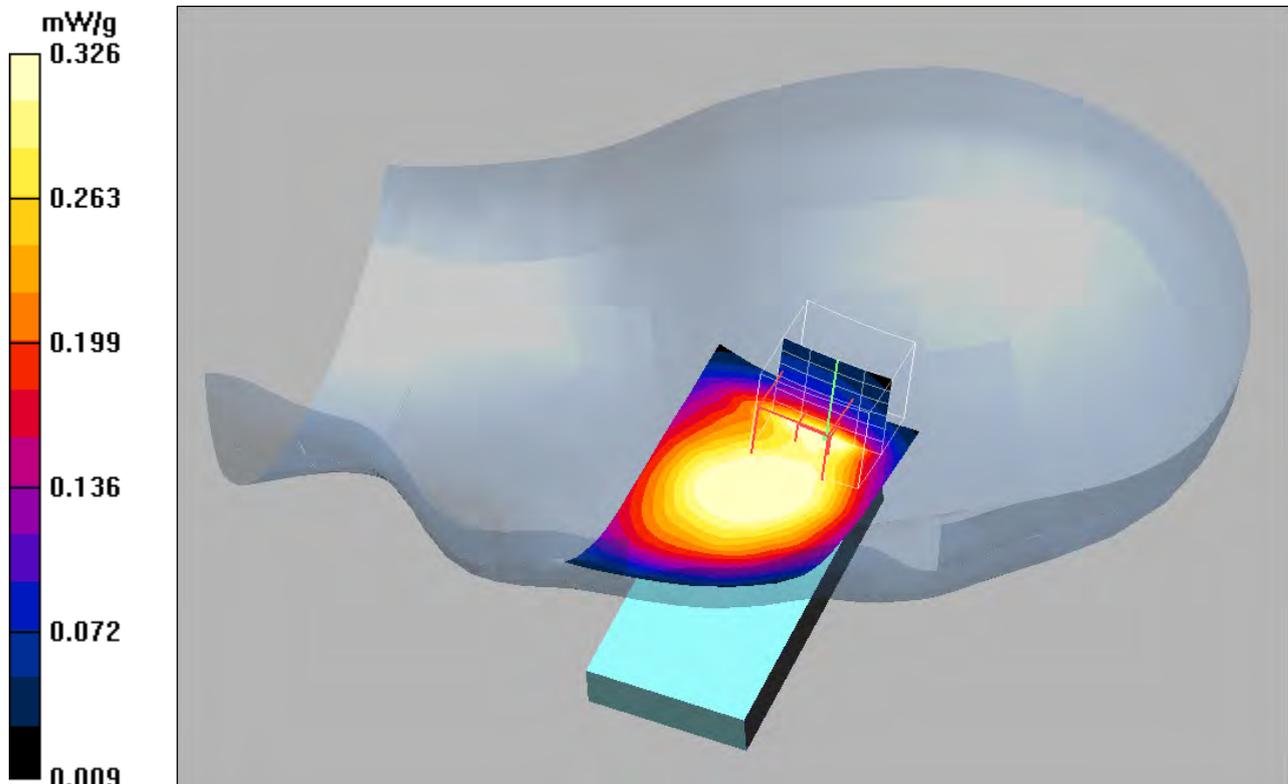
**Left Tilt Middle/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 19.2 V/m; Power Drift = -0.024 dB

Peak SAR (extrapolated) = 0.622 W/kg

**SAR(1 g) = 0.309 mW/g; SAR(10 g) = 0.211 mW/g**

Maximum value of SAR (measured) = 0.326 mW/g



Date/Time: 2009-03-17 11:03:37

Test Laboratory: Sony Ericsson Mobile Communications  
 File Name: [Close\\_Left\\_UMTS2\\_090317\\_RP.da4](#)

**DUT: PY7A3880035 (W995a) ; Type: GSM+UMTS+Wlan; Serial: #14710**  
**Program Name: SAR Measurement on the Head**

Communication System: UMTS\_band2; Frequency: 1880 MHz; Duty Cycle: 1:1  
 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.44$  mho/m;  $\epsilon_r = 38.4$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1569; ConvF(4.99, 4.99, 4.99); Calibrated: 2009-01-12
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn428; Calibrated: 2009-01-09
- Phantom: SAM 5; Type: SAM; Serial: 1352
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 171

**Left Tilt Middle/Area Scan (61x111x1):** Measurement grid: dx=10mm, dy=10mm  
 Maximum value of SAR (interpolated) = 0.651 mW/g

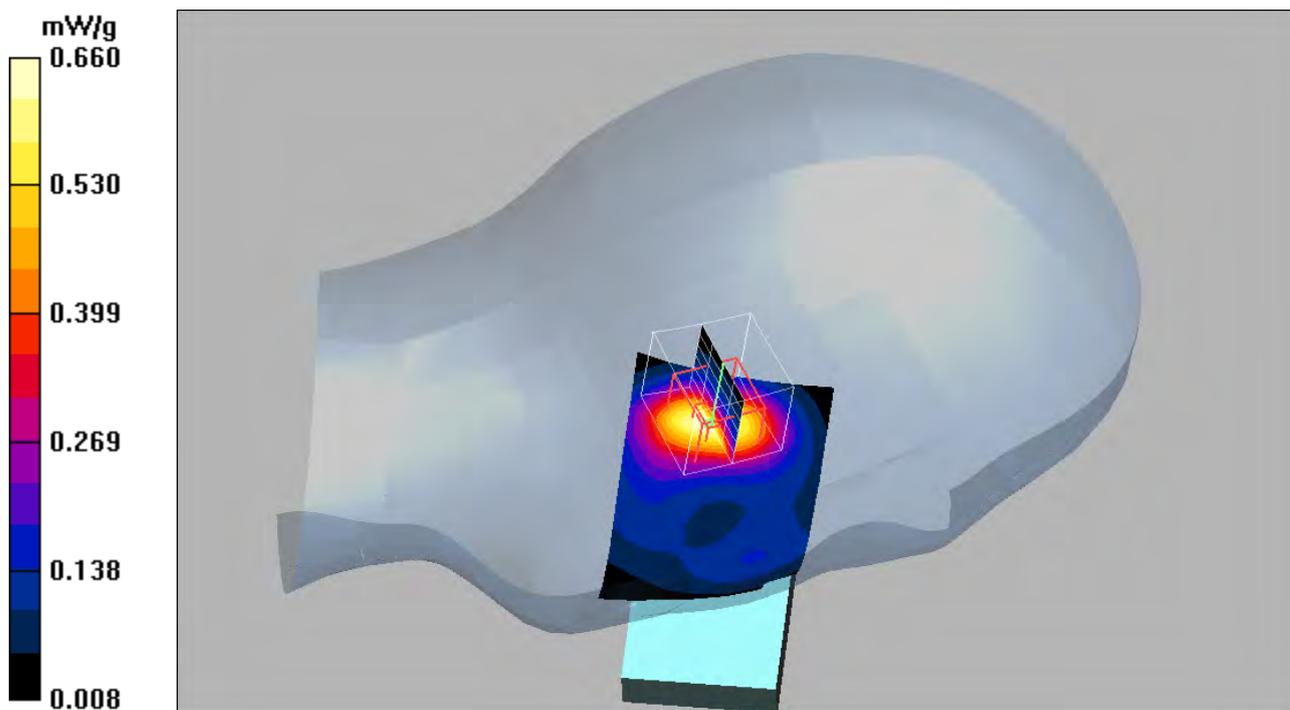
**Left Tilt Middle/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 21.3 V/m; Power Drift = -0.021 dB

Peak SAR (extrapolated) = 0.852 W/kg

**SAR(1 g) = 0.589 mW/g; SAR(10 g) = 0.342 mW/g**

Maximum value of SAR (measured) = 0.660 mW/g



Date/Time: 2009-03-16 13:44:33

Test Laboratory: Sony Ericsson Mobile Communications  
 File Name: [Close\\_Left\\_GSM1900\\_090316\\_RP.da4](#)

**DUT: PY7A3880035 (W995a) ; Type: GSM+UMTS+Wlan; Serial: #14710**  
**Program Name: SAR Measurement on the Head**

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/m<sup>3</sup>  
 Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1569; ConvF(4.99, 4.99, 4.99); Calibrated: 2009-01-12
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn428; Calibrated: 2009-01-09
- Phantom: SAM 5; Type: SAM; Serial: 1352
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 171

**Left Tilt Middle/Area Scan (61x111x1):** Measurement grid: dx=10mm, dy=10mm  
 Maximum value of SAR (interpolated) = 0.521 mW/g

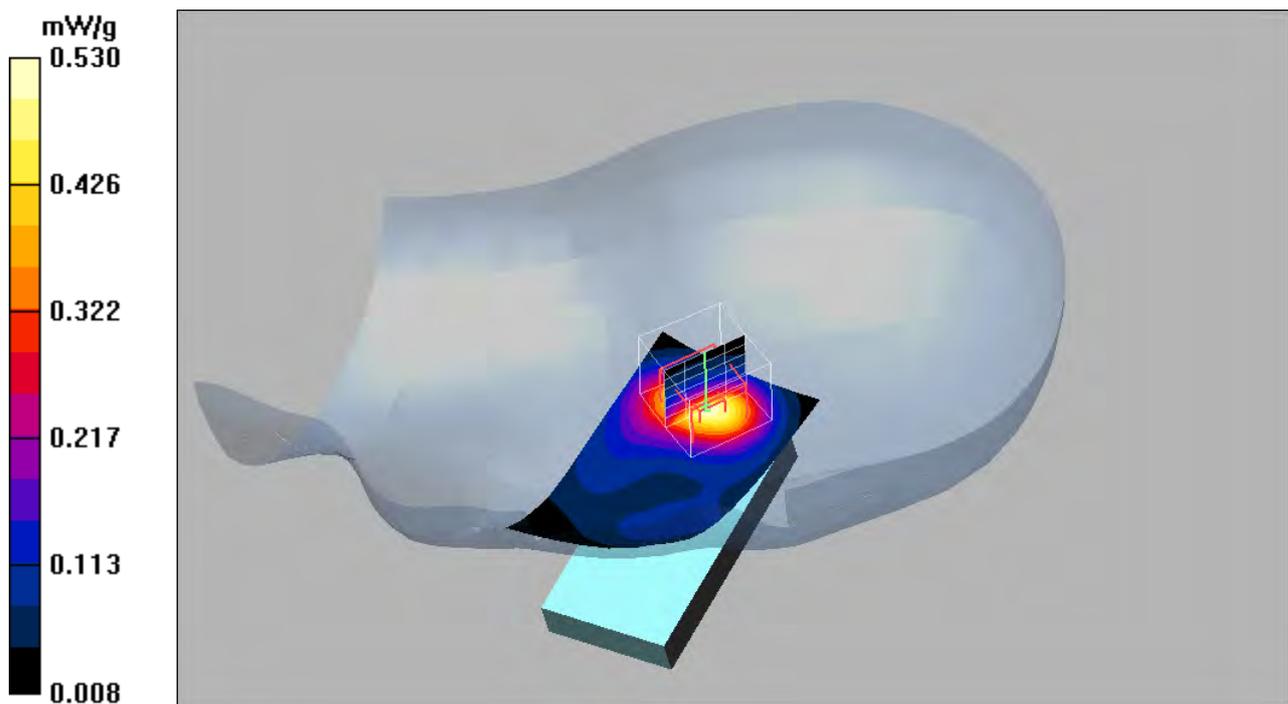
**Left Tilt Middle/Zoom Scan 2 (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 19.6 V/m; Power Drift = -0.045 dB

Peak SAR (extrapolated) = 0.697 W/kg

**SAR(1 g) = 0.473 mW/g; SAR(10 g) = 0.274 mW/g**

Maximum value of SAR (measured) = 0.530 mW/g



Date/Time: 2009-03-04 14:49:49

Test Laboratory: Sony Ericsson Mobile Communications  
 File Name: [Close\\_Left\\_GSM850\\_090304\\_RP.da4](#)

**DUT: PY7A3880035 (W995a) ; Type: GSM+UMTS+Wlan; Serial: #14710**  
**Program Name: SAR Measurement on the Head**

Communication System: GSM835MHz; Frequency: 836.6 MHz; Duty Cycle: 1:8.3  
 Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 0.89$  mho/m;  $\epsilon_r = 42.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1569; ConvF(6.36, 6.36, 6.36); Calibrated: 2009-01-12
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn428; Calibrated: 2009-01-09
- Phantom: SAM 6; Type: SAM; Serial: 1351
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 171

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

Maximum value of SAR (interpolated) = 0.439 mW/g

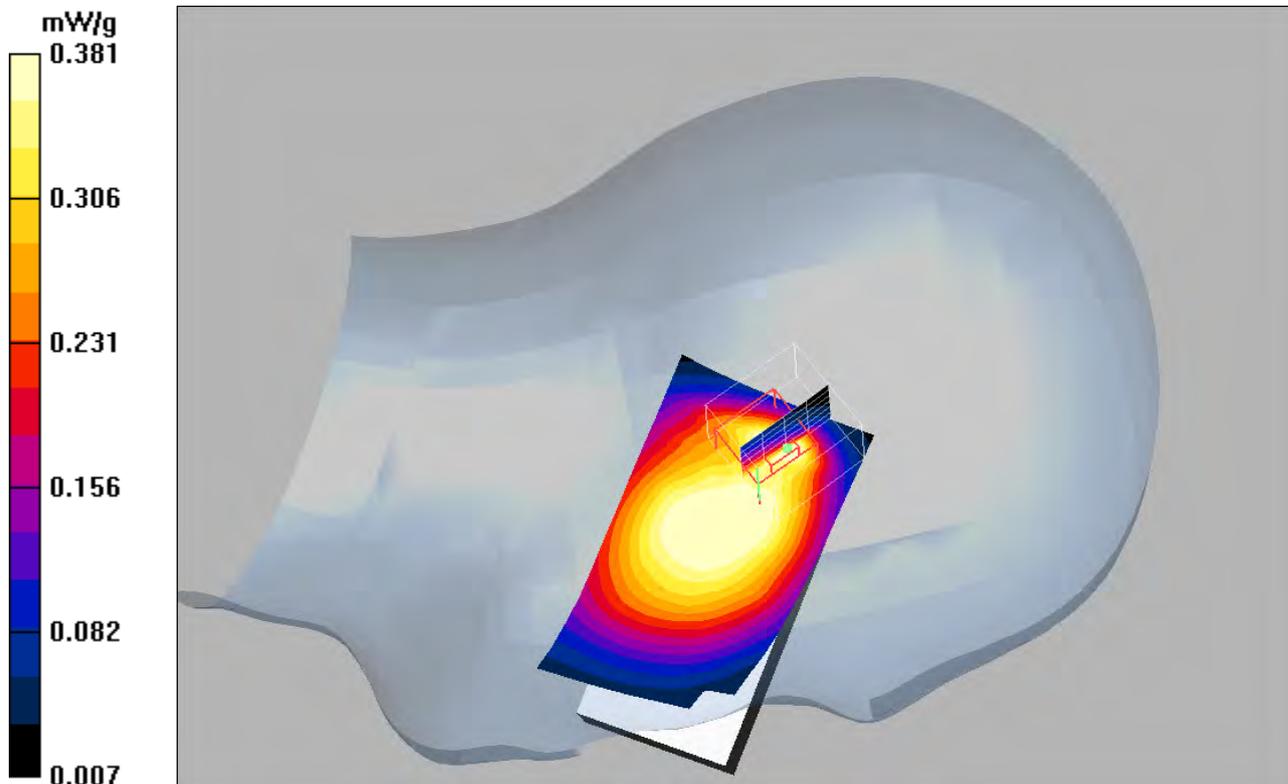
**Left Tilt Middle/Zoom Scan 2 (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 20.6 V/m; Power Drift = -0.004 dB

Peak SAR (extrapolated) = 0.709 W/kg

**SAR(1 g) = 0.353 mW/g; SAR(10 g) = 0.228 mW/g**

Maximum value of SAR (measured) = 0.381 mW/g



Date/Time: 2009-03-24 18:25:20

Test Laboratory: Sony Ericsson Mobile Communications  
 File Name: [Close\\_Left\\_WLAN\\_090324\\_RP.da4](#)

**DUT: PY7A3880035 (W995a) ; Type: GSM+UMTS+Wlan; Serial: #14713**  
**Program Name: SAR Measurement on the Head**

Communication System: WLAN; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 2437$  MHz;  $\sigma = 1.89$  mho/m;  $\epsilon_r = 38.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1569; ConvF(4.32, 4.32, 4.32); Calibrated: 2009-01-12

- Sensor-Surface: 4mm (Mechanical Surface Detection) Sensor-Surface: 0mm (Fix Surface)

- Electronics: DAE3 Sn428; Calibrated: 2009-01-09

- Phantom: SAM 5; Type: SAM; Serial: 1352

- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 171

**Left Cheek 6/Area Scan (61x111x1):** Measurement grid: dx=10mm, dy=10mm

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

**Left Cheek 6/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.63 V/m; Power Drift = 0.070 dB

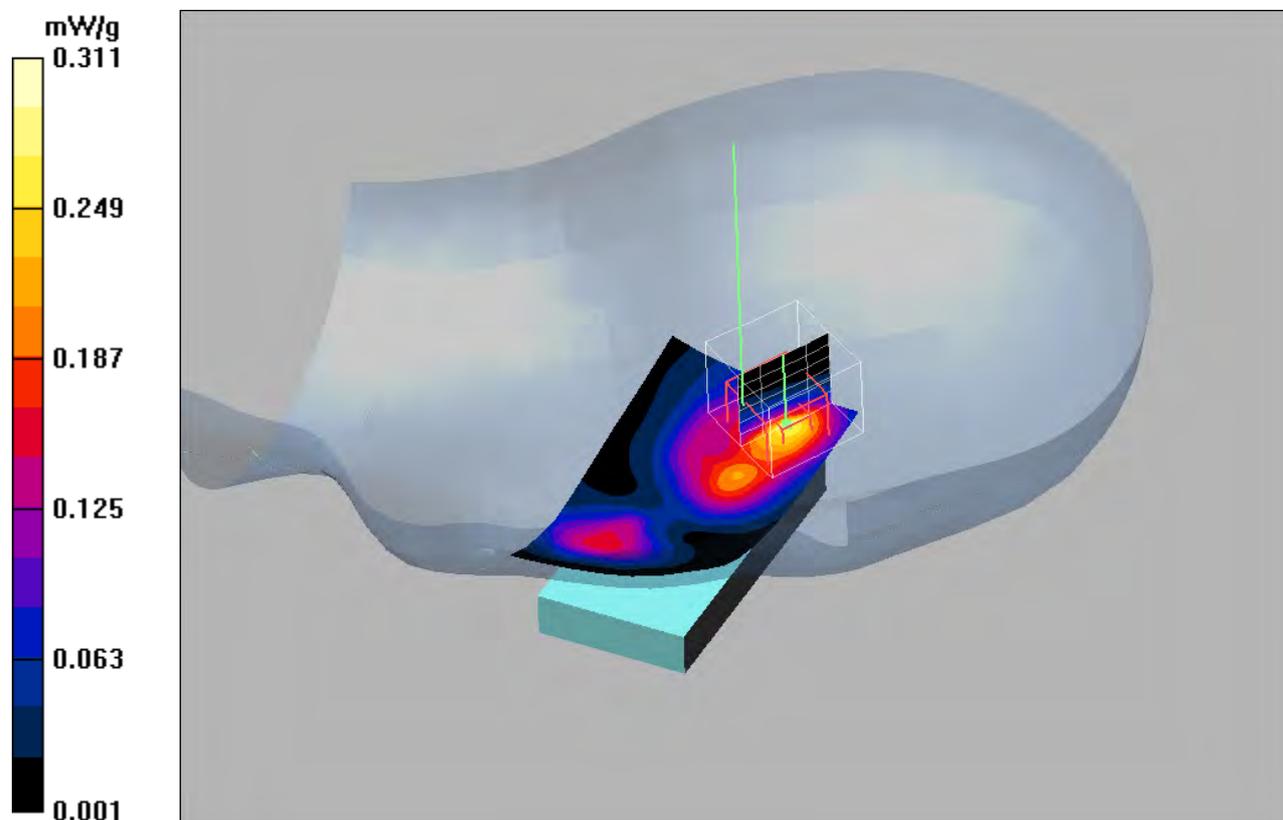
Peak SAR (extrapolated) = 0.615 W/kg

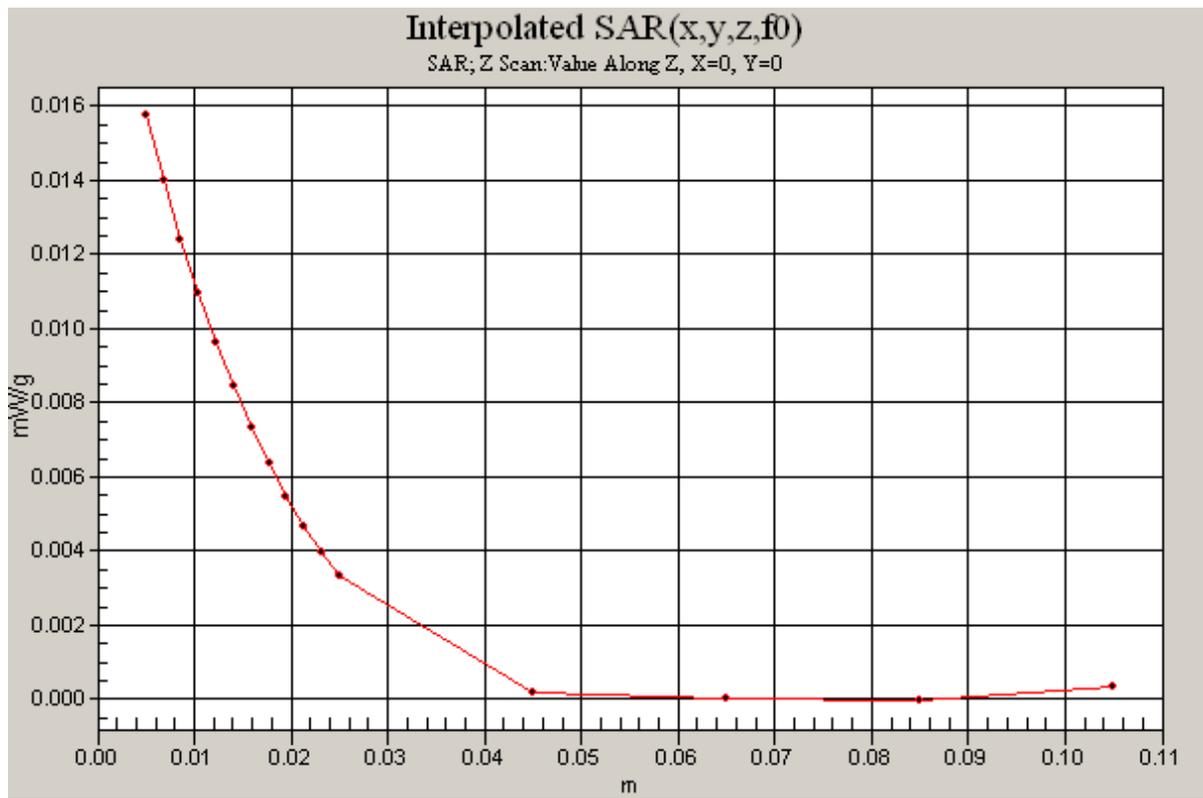
**SAR(1 g) = 0.264 mW/g; SAR(10 g) = 0.124 mW/g**

Maximum value of SAR (measured) = 0.311 mW/g

**Left Cheek 6/Z Scan (1x1x16):** Measurement grid: dx=20mm, dy=20mm, dz=20mm

Maximum value of SAR (interpolated) = 0.016 mW/g





Date/Time: 2009-03-05 10:02:01

Test Laboratory: Sony Ericsson Mobile Communications  
 File Name: [Close\\_Left\\_UMTS5\\_090305\\_RP.da4](#)

**DUT: PY7A3880035 (W995a) ; Type: GSM+UMTS+Wlan; Serial: #14710**  
**Program Name: SAR Measurement on the Head**

Communication System: UMTS\_band5; Frequency: 836.6 MHz; Duty Cycle: 1:1  
 Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 0.89$  mho/m;  $\epsilon_r = 42.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1569; ConvF(6.36, 6.36, 6.36); Calibrated: 2009-01-12
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn428; Calibrated: 2009-01-09
- Phantom: SAM 6; Type: SAM; Serial: 1351
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 171

**Left Cheek Middle/Area Scan (61x111x1):** Measurement grid: dx=10mm, dy=10mm  
 Maximum value of SAR (interpolated) = 0.712 mW/g

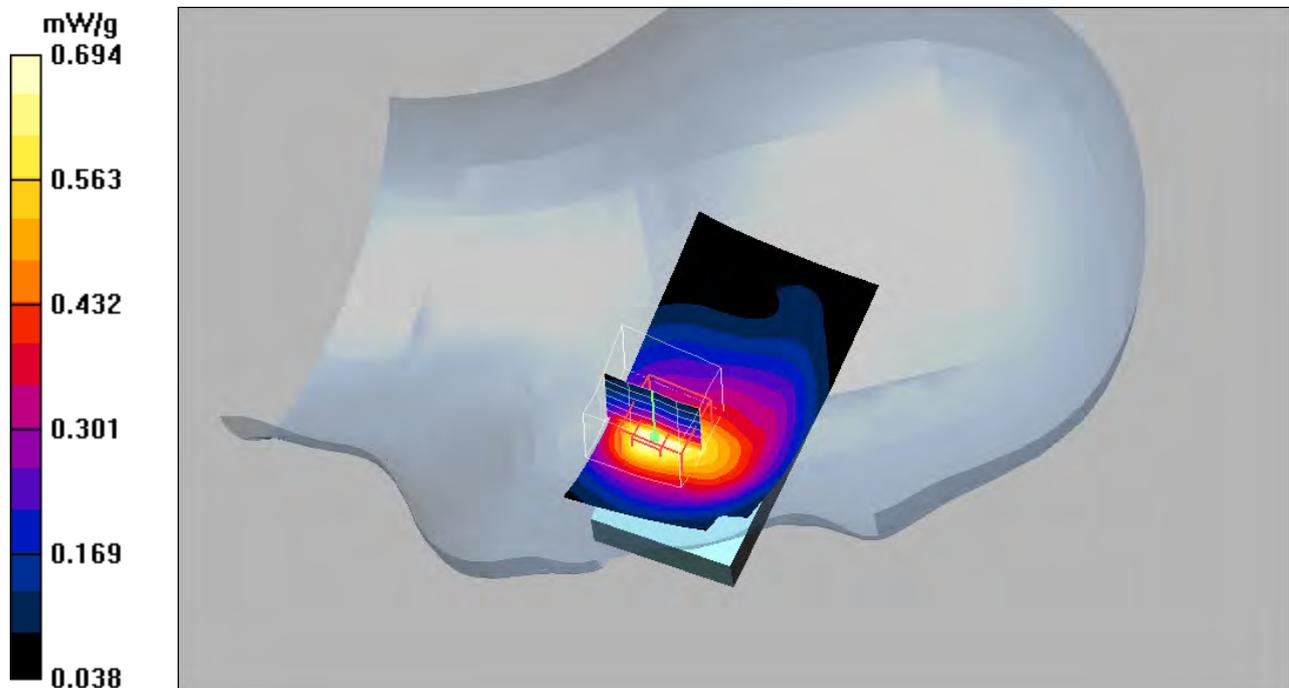
**Left Cheek Middle/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.44 V/m; Power Drift = -0.157 dB

Peak SAR (extrapolated) = 1.01 W/kg

**SAR(1 g) = 0.626 mW/g; SAR(10 g) = 0.397 mW/g**

Maximum value of SAR (measured) = 0.694 mW/g



Date/Time: 2009-03-17 10:46:43

Test Laboratory: Sony Ericsson Mobile Communications  
 File Name: [Close\\_Left\\_UMTS2\\_090317\\_RP.da4](#)

**DUT: PY7A3880035 (W995a) ; Type: GSM+UMTS+Wlan; Serial: #14710**  
**Program Name: SAR Measurement on the Head**

Communication System: UMTS\_band2; Frequency: 1880 MHz; Duty Cycle: 1:1  
 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.44$  mho/m;  $\epsilon_r = 38.4$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1569; ConvF(4.99, 4.99, 4.99); Calibrated: 2009-01-12
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn428; Calibrated: 2009-01-09
- Phantom: SAM 5; Type: SAM; Serial: 1352
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 171

**Left Cheek Middle/Area Scan (61x111x1):** Measurement grid: dx=10mm, dy=10mm  
 Maximum value of SAR (interpolated) = 1.21 mW/g

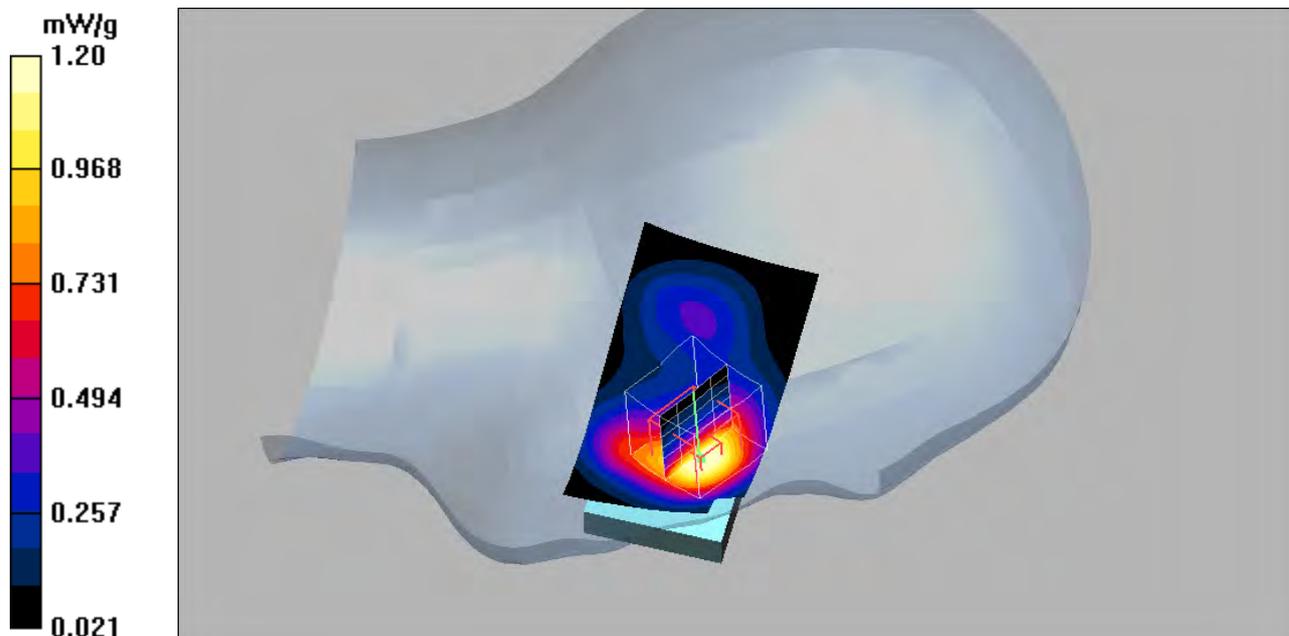
**Left Cheek Middle/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm,  
 dz=5mm

Reference Value = 13.5 V/m; Power Drift = 0.038 dB

Peak SAR (extrapolated) = 1.61 W/kg

**SAR(1 g) = 1.09 mW/g; SAR(10 g) = 0.647 mW/g**

Maximum value of SAR (measured) = 1.20 mW/g



Date/Time: 2009-03-16 13:23:41

Test Laboratory: Sony Ericsson Mobile Communications  
 File Name: [Close\\_Left\\_GSM1900\\_090316\\_RP.da4](#)

**DUT: PY7A3880035 (W995a) ; Type: GSM+UMTS+Wlan; Serial: #14710**  
**Program Name: SAR Measurement on the Head**

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/m<sup>3</sup>  
 Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1569; ConvF(4.99, 4.99, 4.99); Calibrated: 2009-01-12
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn428; Calibrated: 2009-01-09
- Phantom: SAM 5; Type: SAM; Serial: 1352
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 171

**Left Cheek Middle/Area Scan (61x111x1):** Measurement grid: dx=10mm, dy=10mm  
 Maximum value of SAR (interpolated) = 0.935 mW/g

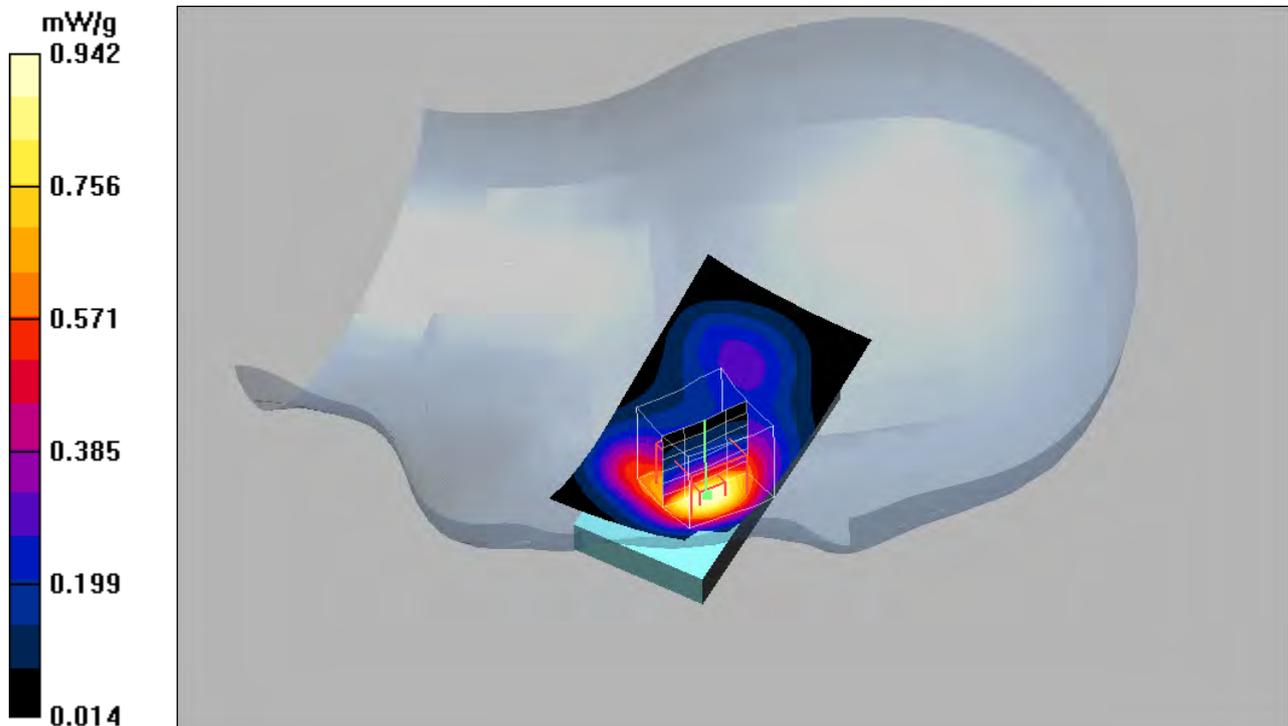
**Left Cheek Middle/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.2 V/m; Power Drift = -0.031 dB

Peak SAR (extrapolated) = 1.28 W/kg

**SAR(1 g) = 0.855 mW/g; SAR(10 g) = 0.503 mW/g**

Maximum value of SAR (measured) = 0.942 mW/g



Date/Time: 2009-03-04 17:06:06

Test Laboratory: Sony Ericsson Mobile Communications  
 File Name: [Close\\_Left\\_GSM850\\_090304\\_RP.da4](#)

**DUT: PY7A3880035 (W995a) ; Type: GSM+UMTS+Wlan; Serial: #14710**  
**Program Name: SAR Measurement on the Head**

Communication System: GSM835MHz; Frequency: 848.8 MHz; Duty Cycle: 1:8.3  
 Medium parameters used (interpolated):  $f = 848.8$  MHz;  $\sigma = 0.902$  mho/m;  $\epsilon_r = 42$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1569; ConvF(6.36, 6.36, 6.36); Calibrated: 2009-01-12
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn428; Calibrated: 2009-01-09
- Phantom: SAM 6; Type: SAM; Serial: 1351
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 171

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

Maximum value of SAR (interpolated) = 0.754 mW/g

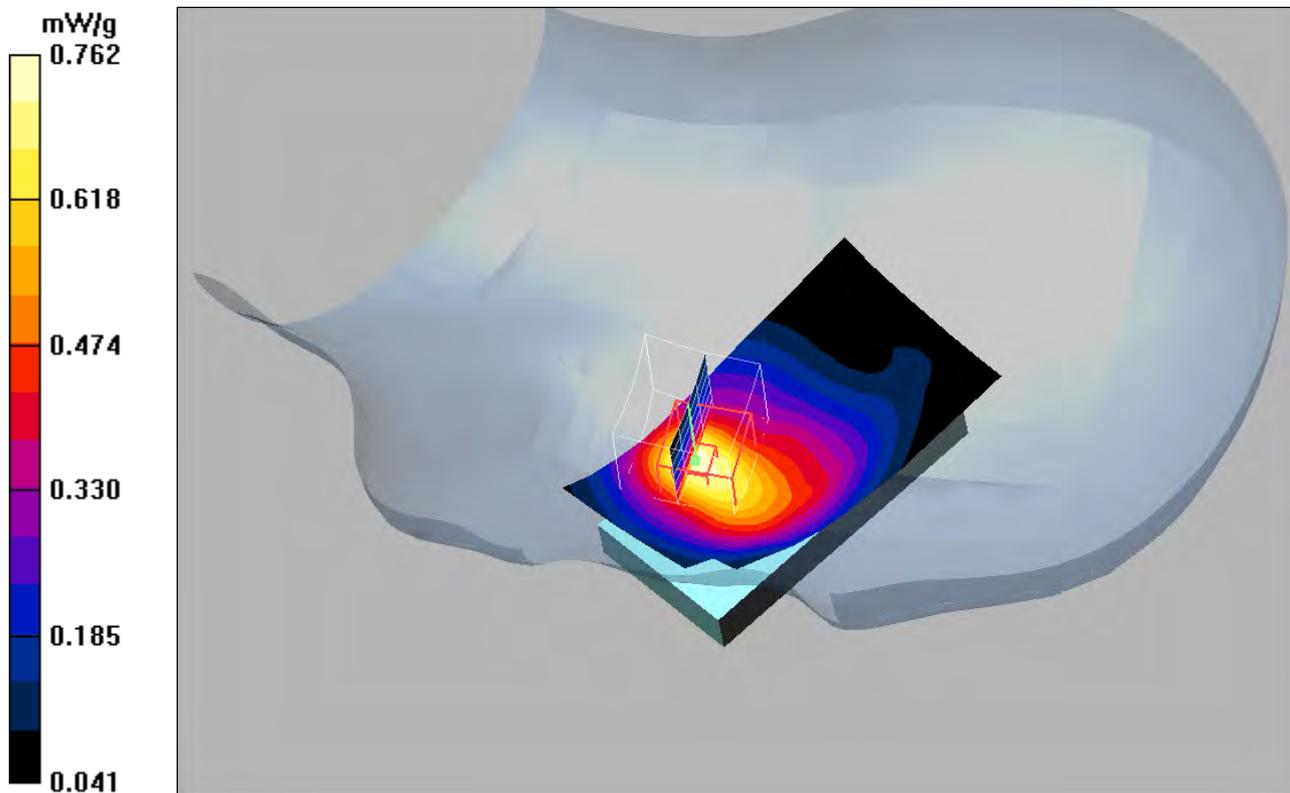
**Left Cheek High/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.67 V/m; Power Drift = 0.123 dB

Peak SAR (extrapolated) = 1.07 W/kg

**SAR(1 g) = 0.696 mW/g; SAR(10 g) = 0.455 mW/g**

Maximum value of SAR (measured) = 0.762 mW/g



Date/Time: 2009-03-25 10:44:09

Test Laboratory: Sony Ericsson Mobile Communications  
 File Name: [Body\\_15mm\\_Wlan\\_090325\\_RP.da4](#)

**DUT: PY7A3880035 (W995a) ; Type: GSM+UMTS+Wlan; Serial: #14713**  
**Program Name: SAR Measurement on the Body**

Communication System: WLAN; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 2437$  MHz;  $\sigma = 1.93$  mho/m;  $\epsilon_r = 51.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1569; ConvF(3.86, 3.86, 3.86); Calibrated: 2009-01-12

- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)) Sensor-Surface: 4mm (Mechanical Surface Detection) Sensor-Surface: 0mm (Fix Surface)

- Electronics: DAE3 Sn428; Calibrated: 2009-01-09

- Phantom: SAM 5; Type: SAM; Serial: 1352

- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 171

**15mm, Middle 6/Area Scan (61x111x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.169 mW/g

**15mm, Middle 6/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.73 V/m; Power Drift = -0.231 dB

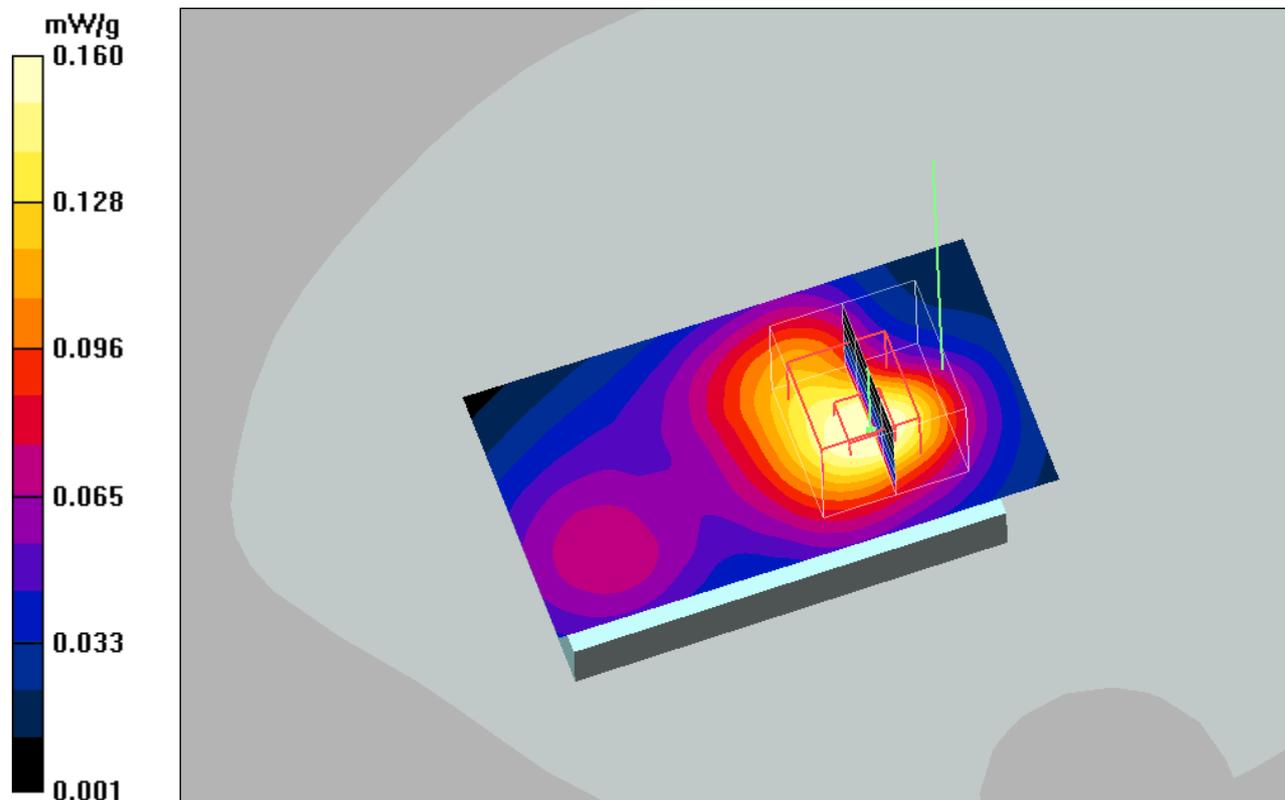
Peak SAR (extrapolated) = 0.322 W/kg

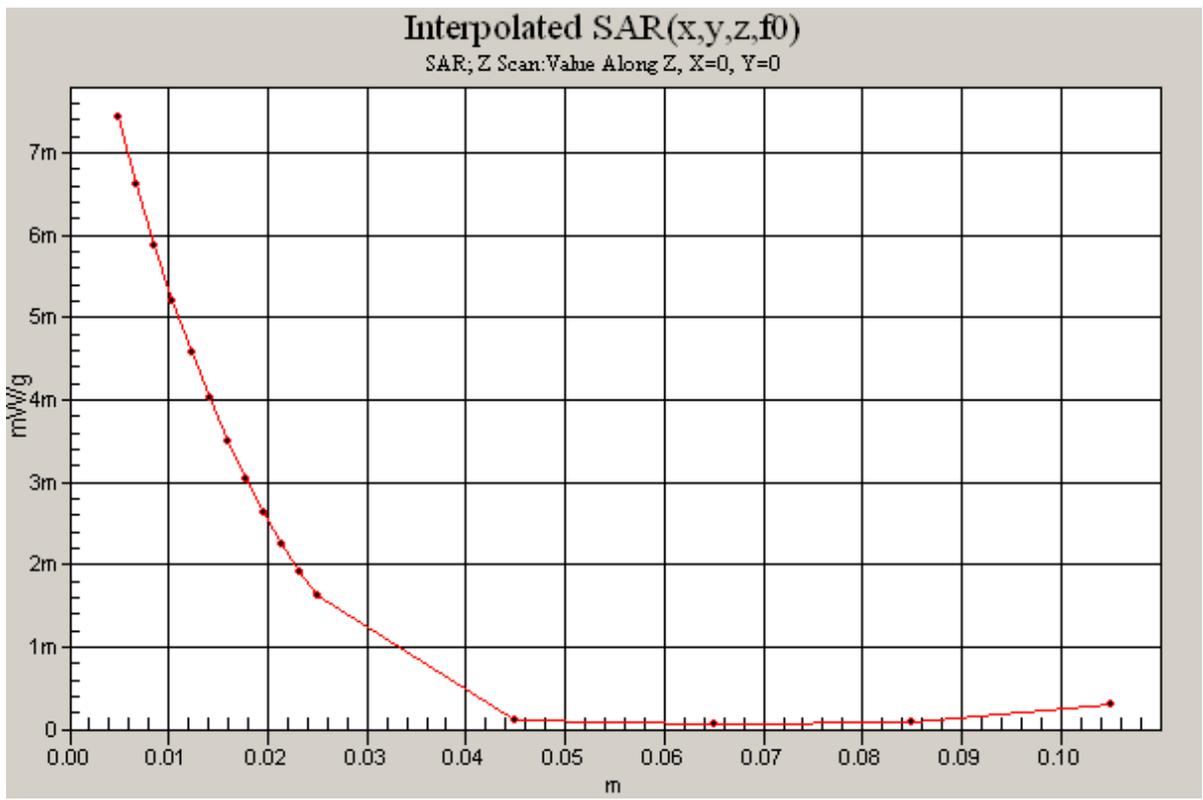
**SAR(1 g) = 0.151 mW/g; SAR(10 g) = 0.082 mW/g**

Maximum value of SAR (measured) = 0.160 mW/g

**15mm, Middle 6/Z Scan (1x1x16):** Measurement grid: dx=20mm, dy=20mm, dz=20mm

Maximum value of SAR (interpolated) = 0.007 mW/g





Date/Time: 2009-03-20 13:40:40

Test Laboratory: Sony Ericsson Mobile Communications  
 File Name: [Voice\\_15mm\\_UMTS5\\_090320\\_RP.da4](#)

**DUT: PY7A3880035 (W995a) ; Type: GSM+UMTS+Wlan; Serial: #14710**  
**Program Name: SAR Measurement on the Body**

Communication System: UMTS\_band5; Frequency: 836.6 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 0.988$  mho/m;  $\epsilon_r = 53.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1569; ConvF(6.22, 6.22, 6.22); Calibrated: 2009-01-12
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn428; Calibrated: 2009-01-09
- Phantom: SAM 5; Type: SAM; Serial: 1352
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 171

**15mm, Middle PHF/Area Scan (61x111x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.640 mW/g

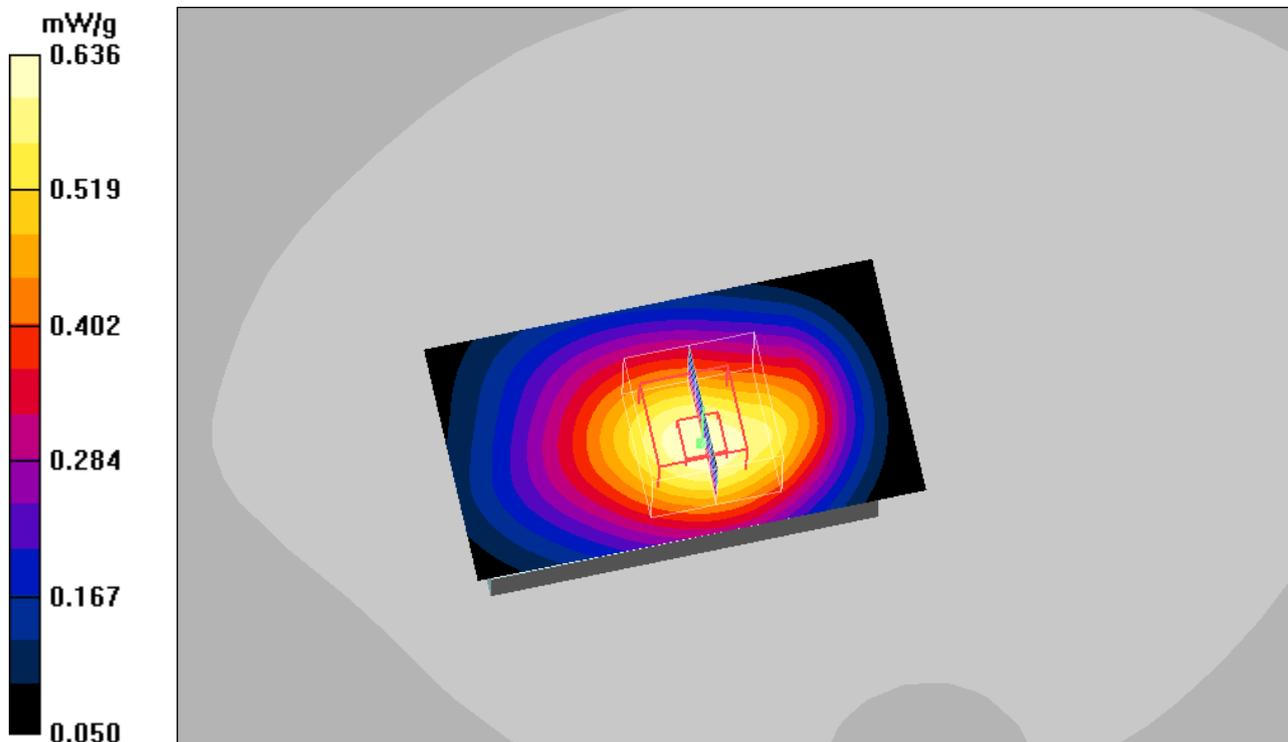
**15mm, Middle PHF/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.1 V/m; Power Drift = -0.038 dB

Peak SAR (extrapolated) = 0.770 W/kg

**SAR(1 g) = 0.594 mW/g; SAR(10 g) = 0.419 mW/g**

Maximum value of SAR (measured) = 0.636 mW/g



Date/Time: 2009-03-25 13:10:54

Test Laboratory: Sony Ericsson Mobile Communications  
 File Name: [Body\\_15mm\\_Wlan\\_090325\\_RP.da4](#)

**DUT: PY7A3880035 (W995a) ; Type: GSM+UMTS+Wlan; Serial: #14713**  
**Program Name: SAR Measurement on the Body**

Communication System: WLAN; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 2437$  MHz;  $\sigma = 1.93$  mho/m;  $\epsilon_r = 51.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1569; ConvF(3.86, 3.86, 3.86); Calibrated: 2009-01-12
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn428; Calibrated: 2009-01-09
- Phantom: SAM 5; Type: SAM; Serial: 1352
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 171

**15mm, front/Area Scan (61x111x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.091 mW/g

**15mm, front/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.16 V/m; Power Drift = -0.164 dB

Peak SAR (extrapolated) = 0.175 W/kg

**SAR(1 g) = 0.085 mW/g; SAR(10 g) = 0.048 mW/g**

Maximum value of SAR (measured) = 0.089 mW/g

