



## Accredited testing laboratory

**DAR registration number: DAT-P-176/94-D1**

**Test report no. : 2-4883-63-02/08**  
**Type identification : AAD-3880006-BV**  
**Test specification : IEEE 1528-2003**  
**FCC-ID : PY7A3880006**  
**IC-ID : 4170B-A3880006**

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## 1 General Information

### 1.1 Notes

The test results of this test report relate exclusively to the test item specified in 1.5. The CETECOM ICT Services GmbH does not assume responsibility for any conclusions and generalisations drawn from the test results with regard to other specimens or samples of the type of the equipment represented by the test item. The test report may only be reproduced or published in full. Reproduction or publication of extracts from the report requires the prior written approval of the CETECOM ICT Services GmbH.

#### 1.1.1 Statement of Compliance

The SAR values found for the AAD-3880006-BV GSM Mobile Phone are below the maximum recommended levels of 1.6 W/Kg as averaged over any 1 g tissue according to the FCC rule §2.1093, the ANSI/IEEE C 95.1:1999, the NCRP Report Number 86 for uncontrolled environment, according to the Health Canada's Safety Code 6 and the Industry Canada Radio Standards Specification RSS-102 for General Population/Uncontrolled exposure.

For body worn operation, this device has been tested and meets FCC RF exposure guidelines when used with any accessory that contains no metal and that positions the handset a minimum of 15 mm from the body. Use of other accessories may not ensure compliance with FCC RF exposure guidelines.

The measurement together with the test system set-up is described in chapter 2.3 of this test report. A detailed description of the equipment under test can be found in chapter 1.5.

### Test engineer:

2008-11-12

Oleksandr Hnatovskiy



Date

Name

Signature

### Technical responsibility for area of testing:

2008-11-12

Thomas Vogler



Date

Name

Signature

## 1.2 Testing laboratory

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Germany  
Telephone: + 49 681 598 - 0  
Fax: + 49 681 598 - 8475

e-mail: [info@ict.cetecom.de](mailto:info@ict.cetecom.de)  
Internet: <http://www.cetecom-ict.de>

State of accreditation: The Test laboratory (area of testing) is accredited according to DIN EN ISO/IEC 17025. DAR registration number: DAT-P-176/94-D1

Test location, if different from CETECOM ICT Services GmbH

Name: ---  
Street: ---  
Town: ---  
Country: ---  
Phone: ---  
Fax: ---

## 1.3 Details of applicant

Name: Sony Ericsson Mobile Communications AB  
Street: Mobilvägen 10  
Town: 22188 Lund  
Country: Sweden  
Contact: Mr. Peter Lindeborg  
Telephone: +46-10-802-43 68

## 1.4 Application details

Date of receipt of application: 2008-10-29  
Date of receipt of test item: 2008-10-29  
Start/Date of test: 2008-10-29  
End of test: 2008-11-04

Person(s) present during the test: ---

**1.5 Test item**

Description of the test item: GSM Mobile Phone  
 Type identification: AAD-3880006-BV  
 FCC-ID : PY7A3880006  
 IC-ID : 4170B-A3880006  
 Serial number: CB5114ZER0 / CB5114ZFAL

Manufacturer:  
 Name: Sony Ericsson Mobile Communications AB  
 Street: Mobilvägen 10  
 Town: 22188 Lund  
 Country: Sweden

additional information on the DUT:		
device type :	portable device	
IMEI No :	0044017-656435-6 / 00440107-656407-5 (WLAN)	
exposure category:	uncontrolled environment / general population	
test device production information	production unit	
device operating configurations :		
operating mode(s)	GSM, DCS, PCS, UMTS/WCDMA, WLAN, Bluetooth	
modulation	GMSK, 8-PSK, 2*BPSK/HPSK(ul), DSSS, OFDM	
GPRS mobile station class :	B	
GPRS multislots class :	10	voice mode : ---
EGPRS multislots class	10	voice mode : ---
maximum no. of timeslots in uplink:	2	
operating frequency range(s)	transmitter frequency range	receiver frequency range
PCS 1900 (tested):	1850.2 MHz ~ 1909.8 MHz	1930.2 MHz ~ 1989.8 MHz
PCS 850 (tested):	824.2 MHz ~ 848.8 MHz	869.2 MHz ~ 893.8 MHz
DCS 1800	1710 MHz ~ 1785 MHz	1805 MHz ~ 1880 MHz
GSM 900	880 MHz ~ 915 MHz	925 MHz ~ 960 MHz
FDD I	1922.4 MHz ~ 1977.6 MHz	2112.4 MHz ~ 2167.6 MHz
FDD VIII	826.4 MHz ~ 846.6 MHz	871.4 MHz ~ 891.6 MHz
Power class :	1, tested with power level 0 (1900 MHz band) 4, tested with power level 5 ( 850 MHz band)	
measured peak output power (conducted):	850 MHz band: 32.7 dBm (GMSK); 27.3 dBm (8-PSK) 1900 MHz band: 29.9 dBm (GMSK); 25.2 dBm (8-PSK) WLAN 18.0 dBm (802.11b); 21.97 dBm (802.11g)	
test channels (low-mid-high) :	128-190-251 (850 MHz band) 512-661-810 (1900 MHz band) 1 – 6 – 11 (WLAN 2.4 GHz)	
hardware / software version :	A / ---	
antenna type :	Integrated antenna	
accessories/body-worn configurations:	stereo headset	
battery options :	Sony Ericsson Battery BST-33 Li-Polymer 3.6V 950mAh	

**1.6 Test specification(s)**

**Supplement C (Edition 01-01) to OET Bulletin 65 (Edition 97-01)**

**IEEE 1528-2003 (April 21, 2003)**

**RSS-102: Radio Frequency Exposure Compliance of Radiocommunication Apparatus (All Frequency Bands (Issue 2 of November 2005))**

**Canada’s Safety Code 6: Limits of Human Exposure to Radiofrequency Electromagnetic Fields in the Frequency Range from 3 kHz to 300 GHz (99-EHD-237)**

**IEEE Std C95.3 – 1991, IEEE Recommended Practice for the Measurement of Potentially Hazardous Electromagnetic Fields – RF and Microwave.**

**IEEE Std C95.1 – 1999, IEEE Standard for Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz – 300 GHz.**

**1.6.1 RF exposure limits**

<b>Human Exposure</b>	<b>Uncontrolled Environment General Population</b>	<b>Controlled Environment Occupational</b>
<b>Spatial Peak SAR*</b> (Brain)	<b>1.60 mW/g</b>	8.00 mW/g
<b>Spatial Average SAR**</b> (Whole Body)	0.08 mW/g	0.40 mW/g
<b>Spatial Peak SAR***</b> (Hands/Feet/Ankle/Wrist)	4.00 mW/g	20.00 mW/g

Table 1: RF exposure limits

The limit applied in this test report is shown in **bold** letters

**Notes:**

- \* The Spatial Peak value of the SAR averaged over any 1 gram of tissue (defined as a tissue volume in the shape of a cube) and over the appropriate averaging time
- \*\* The Spatial Average value of the SAR averaged over the whole body.
- \*\*\* The Spatial Peak value of the SAR averaged over any 10 grams of tissue (defined as a tissue volume in the shape of a cube) and over the appropriate averaging time.

**Uncontrolled Environments** are defined as locations where there is the exposure of individuals who have no knowledge or control of their exposure.

**Controlled Environments** are defined as locations where there is exposure that may be incurred by persons who are aware of the potential for exposure, (i.e. as a result of employment or occupation).

## 2 Technical test

### 2.1 Summary of test results

No deviations from the technical specification(s) were ascertained in the course of the tests performed.	<input checked="" type="checkbox"/>
The deviations as specified in 2.5 were ascertained in the course of the tests performed.	<input type="checkbox"/>

### 2.2 Test environment

General Environment conditions in the test area are as follows:

Ambient temperature: 20°C – 24°C  
 Tissue simulating liquid: 20°C – 24°C  
 Humidity: 40% – 50%

Exact temperature values for each test are shown in the table(s) under 2.5. and/or on the measurement plots.

### 2.3 Measurement and test set-up

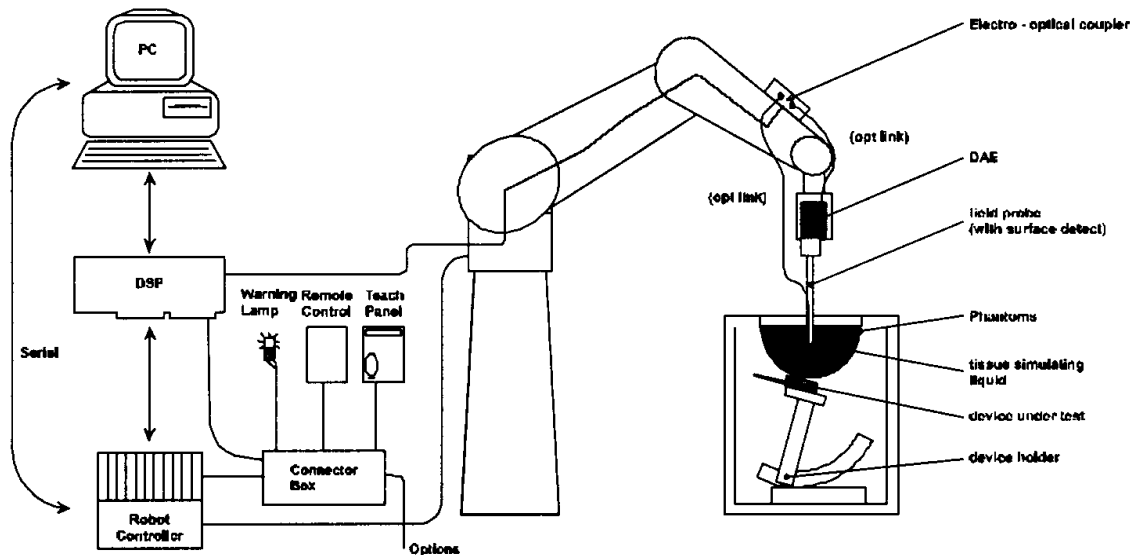
The measurement system is described in chapter 2.4.

The test setup for the system validation can be found in chapter 2.4.14.

A description of positioning and test signal control can be found in chapter 2.5 together with the test results.

## 2.4 Measurement system

### 2.4.1 System Description



The DAS4 system for performing compliance tests consists of the following items:

- A standard high precision 6-axis robot (Stäubli RX family) with controller and software. An arm extension for accommodating the data acquisition electronics (DAE).
- A dosimetric probe, i.e. an isotropic E-field probe optimized and calibrated for usage in tissue simulating liquid. The probe is equipped with an optical surface detector system.
- A data acquisition electronic (DAE) which performs the signal amplification, signal multiplexing, AD-conversion, offset measurements, mechanical surface detection, collision detection, etc. The unit is battery powered with standard or rechargeable batteries. The signal is optically transmitted to the EOC.
- A unit to operate the optical surface detector which is connected to the EOC.
- The Electro-Optical Coupler (EOC) performs the conversion from the optical into a digital electric signal of the DAE. The EOC is connected to the DAS4 measurement server.
- The DAS4 measurement server, which performs all real-time data evaluation for field measurements and surface detection, controls robot movements and handles safety operation. A computer operating Windows 2000
- DAS4 software and SEMCAD data evaluation software.
- Remote control with teach panel and additional circuitry for robot safety such as warning lamps, etc.
- The generic twin phantom enabling the testing of left-hand and right-hand usage.
- The device holder for handheld mobile phones.
- Tissue simulating liquid mixed according to the given recipes.
- System validation dipoles allowing to validate the proper functioning of the system.



### 2.4.2 Test environment

The DASY4 measurement system is placed at the head end of a room with dimensions: 5 x 2.5 x 3 m<sup>3</sup>, the SAM phantom is placed in a distance of 75 cm from the side walls and 1.1m from the rear wall. Above the test system a 1.5 x 1.5 m<sup>2</sup> array of pyramid absorbers is installed to reduce reflections from the ceiling.

Picture 1 of the photo documentation shows a complete view of the test environment.

The system allows the measurement of SAR values larger than 0.005 mW/g.

### 2.4.3 Probe description

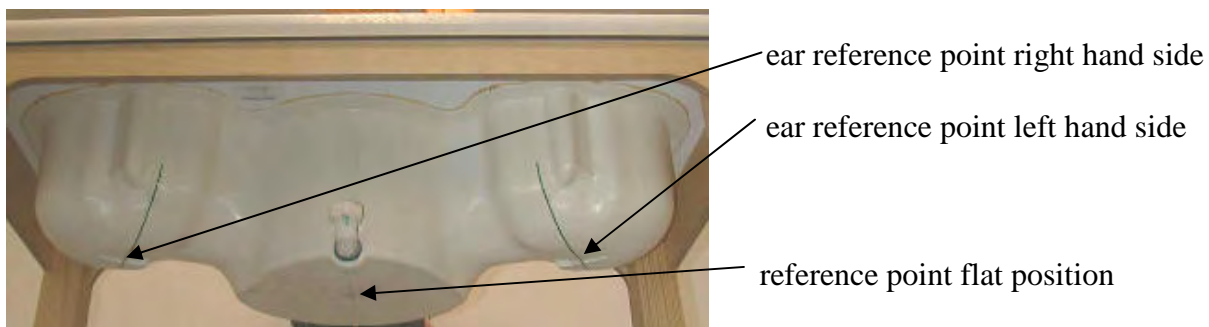
Isotropic E-Field Probe ET3DV6 for Dosimetric Measurements

<b>Technical data according to manufacturer information</b>	
Construction	Symmetrical design with triangular core Built-in optical fiber for surface detection system Built-in shielding against static charges PEEK enclosure material (resistant to organic solvents, e.g., glycoether)
Calibration	In air from 10 MHz to 2.5 GHz In head tissue simulating liquid (HSL) at 900 (800-1000) MHz and 1.8 GHz (1700-1910 MHz) (accuracy ± 9.5%; k=2) Calibration for other liquids and frequencies upon request
Frequency	10 MHz to 3 GHz (dosimetry); Linearity: ± 0.2 dB (30 MHz to 3 GHz)
Directivity	± 0.2 dB in HSL (rotation around probe axis) ± 0.4 dB in HSL (rotation normal to probe axis)
Dynamic range	5 µW/g to > 100 mW/g; Linearity: ± 0.2 dB
Optical Surface Detection	± 0.2 mm repeatability in air and clear liquids over diffuse reflecting surfaces (ET3DV6 only)
Dimensions	Overall length: 330 mm Tip length: 16 mm Body diameter: 12 mm Tip diameter: 6.8 mm Distance from probe tip to dipole centers: 2.7 mm
Application	General dosimetry up to 3 GHz Compliance tests of mobile phones Fast automatic scanning in arbitrary phantoms (ET3DV6)

#### 2.4.4 Phantom description

The used SAM Phantom meets the requirements specified in Edition 01-01 of Supplement C to OET Bulletin 65 for Specific Absorption Rate (SAR) measurements.

The phantom consists of a fibreglass shell integrated in a wooden table. It allows left-hand and right-hand head as well as body-worn measurements with a maximum liquid depth of 18 cm in head position and 22 cm in planar position (body measurements). The thickness of the Phantom shell is 2 mm +/- 0.1 mm.



#### 2.4.5 Device holder description

The DASY4 device holder has two scales for device rotation (with respect to the body axis) and the device inclination (with respect to the line between the ear openings). The plane between the ear openings and the mouth tip has a rotation angle of 65°. The bottom plate contains three pair of bolts for locking the device holder. The device holder positions are adjusted to the standard measurement positions in the three sections. This device holder is used for standard mobile phones or PDA's only. If necessary an additional support of polystyrene material is used.



Larger DUT's (e.g. notebooks) cannot be tested using this device holder. Instead a support of bigger polystyrene cubes and thin polystyrene plates is used to position the DUT in all relevant positions to find and measure spots with maximum SAR values.

Therefore those devices are normally only tested at the flat part of the SAM.

#### 2.4.6 Scanning procedure

The DASY4 installation includes predefined files with recommended procedures for measurements and validation. They are read-only document files and destined as fully defined but unmeasured masks. All test positions (head or body-worn) are tested with the same configuration of test steps differing only in the grid definition for the different test positions.

- The „reference“ and „drift“ measurements are located at the beginning and end of the batch process. They measure the field drift at one single point in the liquid over the complete procedure. The indicated drift is mainly the variation of the DUT's output power and should vary max. +/- 5 %.
- The „surface check“ measurement tests the optical surface detection system of the DASY4 system by repeatedly detecting the surface with the optical and mechanical surface detector and comparing the results. The output gives the detecting heights of both systems, the difference between the two systems and the standard deviation of the detection repeatability. Air bubbles or refraction in the liquid due to separation of the sugar-water mixture gives poor repeatability (above  $\pm 0.1\text{mm}$ ). To prevent wrong results tests are only executed when the liquid is free of air bubbles. The difference between the optical surface detection and the actual surface depends on the probe and is specified with each probe. (It does not depend on the surface reflectivity or the probe angle to the surface within  $\pm 30^\circ$ .)
- The „area scan“ measures the SAR above the DUT or verification dipole on a parallel plane to the surface. It is used to locate the approximate location of the peak SAR with 2D spline interpolation. The robot performs a stepped movement along one grid axis while the local electrical field strength is measured by the probe. The probe is touching the surface of the SAM during acquisition of measurement values. The standard scan uses large grid spacing for faster measurement. Standard grid spacing for head measurements is 15 mm in x- and y- dimension. If a finer resolution is needed, the grid spacing can be reduced. Grid spacing and orientation have no influence on the SAR result. For special applications where the standard scan method does not find the peak SAR within the grid, e.g. mobile phones with flip cover, the grid can be adapted in orientation. Results of this coarse scan are shown in annex 2.
- A „7x7x7 zoom scan“ measures the field in a volume around the 2D peak SAR value acquired in the previous „coarse“ scan. This is a fine 7x7 grid where the robot additionally moves the probe in 7 steps along the z-axis away from the bottom of the Phantom. Grid spacing for the cube measurement is 5 mm in x and y-direction and 5 mm in z-direction. DASY4 is also able to perform repeated zoom scans if more than 1 peak is found during area scan. In this document, the evaluated peak 1g and 10g averaged SAR values are shown in the 2D-graphics in annex 2. Test results relevant for the specified standard (see chapter 1.6.) are shown in table form in chapter 2.5.
- A Z-axis scan measures the total SAR value at the x-and y-position of the maximum SAR value found during the cube 7x7x7 scan. The probe is moved away in z-direction from the bottom of the SAM phantom in 2mm steps. This measurement shows the continuity of the liquid and can - depending in the field strength – also show the liquid depth. A z-axis scan of the measurement with maximum SAR value is shown in annex 2.

### 2.4.7 Spatial Peak SAR Evaluation

The spatial peak SAR - value for 1 and 10 g is evaluated after the Cube measurements have been done. The basis of the evaluation are the SAR values measured at the points of the fine cube grid consisting of 7 x 7 x 7 points. The algorithm that finds the maximal averaged volume is separated into three different stages.

- The data between the dipole center of the probe and the surface of the phantom are extrapolated. This data cannot be measured since the center of the dipole is 2.7 mm away from the tip of the probe and the distance between the surface and the lowest measuring point is about 1 mm (see probe calibration sheet). The extrapolated data from a cube measurement can be visualized by selecting 'Graph Evaluated'.
- The maximum interpolated value is searched with a straight-forward algorithm. Around this maximum the SAR - values averaged over the spatial volumes (1g or 10 g) are computed using the 3d-spline interpolation algorithm. If the volume cannot be evaluated (i.e., if a part of the grid was cut off by the boundary of the measurement area) the evaluation will be started on the corners of the bottom plane of the cube.
- All neighboring volumes are evaluated until no neighboring volume with a higher average value is found.

#### Extrapolation

The extrapolation is based on a least square algorithm [W. Gander, Computermathematik, p.168-180]. Through the points in the first 3 cm along the z-axis, polynomials of order four are calculated. These polynomials are then used to evaluate the points between the surface and the probe tip. The points, calculated from the surface, have a distance of 1 mm from each other.

#### Interpolation

The interpolation of the points is done with a 3d-Spline. The 3d-Spline is composed of three one-dimensional splines with the "Not a knot"-condition [W. Gander, Computermathematik, p.141-150] (x, y and z -direction) [Numerical Recipes in C, Second Edition, p.123ff ].

#### Volume Averaging

At First the size of the cube is calculated. Then the volume is integrated with the trapezoidal algorithm. 8000 points (20x20x20) are interpolated to calculate the average.

#### Advanced Extrapolation

DASY4 uses the advanced extrapolation option which is able to compensate boundary effects on E-field probes.

## 2.4.8 Data Storage and Evaluation

### Data Storage

The DASY4 software stores the acquired data from the data acquisition electronics as raw data (in microvolt readings from the probe sensors), together with all necessary software parameters for the data evaluation (probe calibration data, liquid parameters and device frequency and modulation data) in measurement files with the extension ".DA4". The software evaluates the desired unit and format for output each time the data is visualized or exported. This allows verification of the complete software setup even after the measurement and allows correction of incorrect parameter settings. For example, if a measurement has been performed with a wrong crest factor parameter in the device setup, the parameter can be corrected afterwards and the data can be re-evaluated.

The measured data can be visualized or exported in different units or formats, depending on the selected probe type ([V/m], [A/m], [°C], [mW/g], [mW/cm<sup>2</sup>], [dBrel], etc.). Some of these units are not available in certain situations or show meaningless results, e.g., a SAR output in a lossless media will always be zero. Raw data can also be exported to perform the evaluation with other software packages.

### Data Evaluation by SEMCAD

The SEMCAD software automatically executes the following procedures to calculate the field units from the microvolt readings at the probe connector. The parameters used in the evaluation are stored in the configuration modules of the software:

Probe parameters:	- Sensitivity	Norm <sub>i</sub> , a <sub>i0</sub> , a <sub>i1</sub> , a <sub>i2</sub>
	- Conversion factor	ConvF <sub>i</sub>
	- Diode compression point	Dcpi
Device parameters:	- Frequency	f
	- Crest factor	cf
Media parameters:	- Conductivity	$\sigma$
	- Density	$\rho$

These parameters must be set correctly in the software. They can be found in the component documents or they can be imported into the software from the configuration files issued for the DASY4 components. In the direct measuring mode of the multimeter option, the parameters of the actual system setup are used. In the scan visualization and export modes, the parameters stored in the corresponding document files are used.

The first step of the evaluation is a linearization of the filtered input signal to account for the compression characteristics of the detector diode. The compensation depends on the input signal, the diode type and the DC-transmission factor from the diode to the evaluation electronics.

If the exciting field is pulsed, the crest factor of the signal must be known to correctly compensate for peak power. The formula for each channel can be given as:

$$V_i = U_i + U_i^2 \cdot cf/dcp_i$$

with  $V_i$  = compensated signal of channel i (i = x, y, z)  
 $U_i$  = input signal of channel i (i = x, y, z)  
 cf = crest factor of exciting field (DASY parameter)  
 $dcp_i$  = diode compression point (DASY parameter)

From the compensated input signals the primary field data for each channel can be evaluated:

E-field probes:  $E_i = (V_i / Norm_i \cdot ConvF)^{1/2}$

H-field probes:  $H_i = (V_i)^{1/2} \cdot (a_{i0} + a_{i1}f + a_{i2}f^2)/f$

with  $V_i$  = compensated signal of channel i (i = x, y, z)  
 $Norm_i$  = sensor sensitivity of channel i (i = x, y, z)  
 [mV/(V/m)<sup>2</sup>] for E-field Probes  
 $ConvF$  = sensitivity enhancement in solution  
 $a_{ij}$  = sensor sensitivity factors for H-field probes  
 f = carrier frequency [GHz]  
 $E_i$  = electric field strength of channel i in V/m  
 $H_i$  = magnetic field strength of channel i in A/m

The RSS value of the field components gives the total field strength (Hermitian magnitude):

$$E_{tot} = (E_x^2 + E_y^2 + E_z^2)^{1/2}$$

The primary field data are used to calculate the derived field units.

$$SAR = (E_{tot}^2 \cdot \sigma) / (\rho \cdot 1000)$$

with SAR = local specific absorption rate in mW/g  
 $E_{tot}$  = total field strength in V/m  
 $\sigma$  = conductivity in [mho/m] or [Siemens/m]  
 $\rho$  = equivalent tissue density in g/cm<sup>3</sup>

Note that the density is normally set to 1 (or 1.06), to account for actual brain density rather than the density of the simulation liquid. The power flow density is calculated assuming the excitation field to be a free space field.

$$P_{pwe} = E_{tot}^2 / 3770 \quad \text{or} \quad P_{pwe} = H_{tot}^2 \cdot 37.7$$

with  $P_{pwe}$  = equivalent power density of a plane wave in mW/cm<sup>2</sup>  
 $E_{tot}$  = total electric field strength in V/m  
 $H_{tot}$  = total magnetic field strength in A/m

**2.4.9 Test equipment utilized**

This table gives a complete overview of the SAR measurement equipment

Devices used during the test described in chapter 2.5. are marked

	Manufacturer	Device	Type	Serial number	Date of last calibration )*
<input checked="" type="checkbox"/>	Schmid & Partner Engineering AG	Dosimetric E-Field Probe	ET3DV6	1558	August 15, 2008
<input checked="" type="checkbox"/>	Schmid & Partner Engineering AG	Dosimetric E-Field Probe	ET3DV6	1559	January 23, 2008
<input checked="" type="checkbox"/>	Schmid & Partner Engineering AG	900 MHz System Validation Dipole	D900V2	102	August 18, 2008
<input type="checkbox"/>	Schmid & Partner Engineering AG	1800 MHz System Validation Dipole	D1800V2	287	August 19, 2008
<input checked="" type="checkbox"/>	Schmid & Partner Engineering AG	1900 MHz System Validation Dipole	D1900V2	531	May 14, 2008
<input checked="" type="checkbox"/>	Schmid & Partner Engineering AG	2450 MHz System Validation Dipole	D2450V2	710	August 20, 2008
<input checked="" type="checkbox"/>	Schmid & Partner Engineering AG	Data acquisition electronics	DAE3V1	413	January 18, 2008
<input checked="" type="checkbox"/>	Schmid & Partner Engineering AG	Data acquisition electronics	DAE3V1	477	May 14, 2008
<input checked="" type="checkbox"/>	Schmid & Partner Engineering AG	Software	DASY 4 V4.5/V4.7	---	N/A
<input checked="" type="checkbox"/>	Schmid & Partner Engineering AG	Phantom	SAM	---	N/A
<input checked="" type="checkbox"/>	Rohde & Schwarz	Universal Radio Communication Tester	CMU 200	832221/055	March 20, 2008
<input checked="" type="checkbox"/>	Hewlett Packard)*	Network Analyser 300 kHz to 6 GHz	8753C	2937U00269	March 13, 2007
<input checked="" type="checkbox"/>	Hewlett Packard)*	Network Analyser 300 kHz to 6 GHz	85047A	2936A00872	March 13, 2007
<input checked="" type="checkbox"/>	Hewlett Packard	Dielectric Probe Kit	85070C	US99360146	N/A
<input checked="" type="checkbox"/>	Hewlett Packard	Signal Generator	8665A	2833A00112	November 12, 2007
<input checked="" type="checkbox"/>	Amplifier Reasearch	Amplifier	25S1G4 (25 Watt)	20452	N/A
<input checked="" type="checkbox"/>	Rohde & Schwarz	Power Meter	NRP	101367	January 9, 2008
<input checked="" type="checkbox"/>	Rohde & Schwarz	Power Meter Sensor	NRP Z22	100227	January 9, 2008
<input checked="" type="checkbox"/>	Rohde & Schwarz	Power Meter Sensor	NRP Z22	100234	January 9, 2008

)\* : Network analyzer probe calibration against air, distilled water and a shorting block performed before measuring liquid parameters.

**2.4.10 Tissue simulating liquids: dielectric properties**

The following materials are used for producing the tissue-equivalent materials.

(liquids used for tests described in chapter 2.5. are marked with ☒) :

Ingredients (% of weight)	Frequency (MHz)					
	<input type="checkbox"/> 450	<input checked="" type="checkbox"/> 835	<input type="checkbox"/> 900	<input type="checkbox"/> 1800	<input checked="" type="checkbox"/> 1900	<input checked="" type="checkbox"/> 2450
frequency band	<input type="checkbox"/> 450	<input checked="" type="checkbox"/> 835	<input type="checkbox"/> 900	<input type="checkbox"/> 1800	<input checked="" type="checkbox"/> 1900	<input checked="" type="checkbox"/> 2450
Tissue Type	Head	Head	Head	Head	Head	Head
Water	38.56	41.45	40.92	52.64	54.9	62.7
Salt (NaCl)	3.95	1.45	1.48	0.36	0.18	0.5
Sugar	56.32	56.0	56.5	0.0	0.0	0.0
HEC	0.98	1.0	1.0	0.0	0.0	0.0
Bactericide	0.19	0.1	0.1	0.0	0.0	0.0
Triton X-100	0.0	0.0	0.0	0.0	0.0	36.8
DGBE	0.0	0.0	0.0	47.0	44.92	0.0

Table 2: Head tissue dielectric properties

Ingredients (% of weight)	Frequency (MHz)					
	<input type="checkbox"/> 450	<input checked="" type="checkbox"/> 835	<input type="checkbox"/> 900	<input type="checkbox"/> 1800	<input checked="" type="checkbox"/> 1900	<input checked="" type="checkbox"/> 2450
frequency band	<input type="checkbox"/> 450	<input checked="" type="checkbox"/> 835	<input type="checkbox"/> 900	<input type="checkbox"/> 1800	<input checked="" type="checkbox"/> 1900	<input checked="" type="checkbox"/> 2450
Tissue Type	Body	Body	Body	Body	Body	Body
Water	51.16	52.4	56.0	69.91	69.91	73.2
Salt (NaCl)	1.49	1.40	0.76	0.13	0.13	0.04
Sugar	46.78	45.0	41.76	0.0	0.0	0.0
HEC	0.52	1.0	1.21	0.0	0.0	0.0
Bactericide	0.05	0.1	0.27	0.0	0.0	0.0
Triton X-100	0.0	0.0	0.0	0.0	0.0	0.0
DGBE	0.0	0.0	0.0	29.96	29.96	26.7

Table 3: Body tissue dielectric properties

Salt: 99+% Pure Sodium Chloride

Sugar: 98+% Pure Sucrose

Water: De-ionized, 16MΩ+ resistivity

HEC: Hydroxyethyl Cellulose

DGBE: 99+% Di(ethylene glycol) butyl ether, [2-(2-butoxyethoxy)ethanol]

Triton X-100(ultra pure): Polyethylene glycol mono [4-(1,1,3,3-tetramethylbutyl)phenyl]ether

Note : Due to their availability body tissue simulating liquids as defined by FCC OET

Bulletin 65 Supplement C are generally used for body worn SAR testing according to European standards.



**2.4.11 Tissue simulating liquids: parameters**

Used Target Frequency [MHz]	Target Head Tissue		Measured Head Tissue		Measured Date
	Permittivity	Conductivity [S/m]	Permittivity	Conductivity [S/m]	
835	41.5	0.90	41.0	0.87	2008-11-02
900	41.5	0.97	40.3	0.94	2008-11-02
1900	40.0	1.40	39.4	1.41	2008-11-03
2450	39.2	1.80	38.6	1.88	2008-10-30

Table 4: Parameter of the head tissue simulating liquid

Used Target Frequency [MHz]	Target Body Tissue		Measured Body Tissue		Measured Date
	Permittivity	Conductivity [S/m]	Permittivity	Conductivity [S/m]	
835	55.2	0.97	56.2	0.96	2008-10-31
900	55.0	1.05	55.7	1.03	2008-10-31
1900	53.3	1.52	52.7	1.52	2008-11-04
2450	52.7	1.95	52.2	1.99	2008-10-31

Table 5: Parameter of the body tissue simulating liquid

Note: The dielectric properties have been measured using the contact probe method at 22°C.

**2.4.12 Measurement uncertainty evaluation for SAR test**

The overall combined measurement uncertainty of the measurement system is  $\pm 10,3\%$  ( $K=1$ ).

The expanded uncertainty ( $k=2$ ) is assessed to be  $\pm 20.6\%$

This measurement uncertainty budget is suggested by IEEE P1528 and determined by Schmid & Partner Engineering AG. The breakdown of the individual uncertainties is as follows:

Error Sources	Uncertainty Value	Probability Distribution	Divisor	$c_i$ 1g	$c_i$ 10g	Standard Uncertainty 1g	Standard Uncertainty 10g	$v_i^2$ or $v_{eff}$
<b>Measurement System</b>								
Probe calibration	$\pm 4.8\%$	Normal	1	1	1	$\pm 4.8\%$	$\pm 4.8\%$	$\infty$
Axial isotropy	$\pm 4.7\%$	Rectangular	$\sqrt{3}$	0.7	0.7	$\pm 1.9\%$	$\pm 1.9\%$	$\infty$
Hemispherical isotropy	$\pm 9.6\%$	Rectangular	$\sqrt{3}$	0.7	0.7	$\pm 3.9\%$	$\pm 3.9\%$	$\infty$
Spatial resolution	$\pm 0.0\%$	Rectangular	$\sqrt{3}$	1	1	$\pm 0.0\%$	$\pm 0.0\%$	$\infty$
Boundary effects	$\pm 1.0\%$	Rectangular	$\sqrt{3}$	1	1	$\pm 0.6\%$	$\pm 0.6\%$	$\infty$
Probe linearity	$\pm 4.7\%$	Rectangular	$\sqrt{3}$	1	1	$\pm 2.7\%$	$\pm 2.7\%$	$\infty$
System detection limits	$\pm 1.0\%$	Rectangular	$\sqrt{3}$	1	1	$\pm 0.6\%$	$\pm 0.6\%$	$\infty$
Readout electronics	$\pm 1.0\%$	Normal	1	1	1	$\pm 1.0\%$	$\pm 1.0\%$	$\infty$
Response time	$\pm 0.8\%$	Rectangular	$\sqrt{3}$	1	1	$\pm 0.5\%$	$\pm 0.5\%$	$\infty$
Integration time	$\pm 2.6\%$	Rectangular	$\sqrt{3}$	1	1	$\pm 1.5\%$	$\pm 1.5\%$	$\infty$
RF ambient conditions	$\pm 3.0\%$	Rectangular	$\sqrt{3}$	1	1	$\pm 1.7\%$	$\pm 1.7\%$	$\infty$
Probe positioner	$\pm 0.4\%$	Rectangular	$\sqrt{3}$	1	1	$\pm 0.2\%$	$\pm 0.2\%$	$\infty$
Probe positioning	$\pm 2.9\%$	Rectangular	$\sqrt{3}$	1	1	$\pm 1.7\%$	$\pm 1.7\%$	$\infty$
Max. SAR evaluation	$\pm 1.0\%$	Rectangular	$\sqrt{3}$	1	1	$\pm 0.6\%$	$\pm 0.6\%$	$\infty$
<b>Test Sample Related</b>								
Device positioning	$\pm 2.9\%$	Normal	1	1	1	$\pm 2.9\%$	$\pm 2.9\%$	145
Device holder uncertainty	$\pm 3.6\%$	Normal	1	1	1	$\pm 3.6\%$	$\pm 3.6\%$	5
Power drift	$\pm 5.0\%$	Rectangular	$\sqrt{3}$	1	1	$\pm 2.9\%$	$\pm 2.9\%$	$\infty$
<b>Phantom and Set-up</b>								
Phantom uncertainty	$\pm 4.0\%$	Rectangular	$\sqrt{3}$	1	1	$\pm 2.3\%$	$\pm 2.3\%$	$\infty$
Liquid conductivity (target)	$\pm 5.0\%$	Rectangular	$\sqrt{3}$	0.64	0.43	$\pm 1.8\%$	$\pm 1.2\%$	$\infty$
Liquid conductivity (meas.)	$\pm 2.5\%$	Normal	1	0.64	0.43	$\pm 1.6\%$	$\pm 1.1\%$	$\infty$
Liquid permittivity (target)	$\pm 5.0\%$	Rectangular	$\sqrt{3}$	0.6	0.49	$\pm 1.7\%$	$\pm 1.4\%$	$\infty$
Liquid permittivity (meas.)	$\pm 2.5\%$	Normal	1	0.6	0.49	$\pm 1.5\%$	$\pm 1.2\%$	$\infty$
<b>Combined Uncertainty</b>						$\pm 10.3\%$	$\pm 10.0\%$	330
<b>Expanded Std. Uncertainty</b>						$\pm 20.6\%$	$\pm 20.1\%$	

Table 6: Measurement uncertainties

**2.4.13 Measurement uncertainty evaluation for system validation**

The overall combined measurement uncertainty of the measurement system is  $\pm 8.4\%$  ( $K=1$ ).

The expanded uncertainty ( $k=2$ ) is assessed to be  $\pm 16.8\%$

This measurement uncertainty budget is suggested by IEEE P1528 and determined by Schmid & Partner Engineering AG. The breakdown of the individual uncertainties is as follows:

Error Sources	Uncertainty Value	Probability Distribution	Divisor	$c_i$ 1g	$c_i$ 10g	Standard Uncertainty 1g	Standard Uncertainty 10g	$v_i^2$ or $v_{eff}$
<b>Measurement System</b>								
Probe calibration	$\pm 4.8\%$	Normal	1	1	1	$\pm 4.8\%$	$\pm 4.8\%$	$\infty$
Axial isotropy	$\pm 4.7\%$	Rectangular	$\sqrt{3}$	0.7	0.7	$\pm 1.9\%$	$\pm 1.9\%$	$\infty$
Hemispherical isotropy	$\pm 0.0\%$	Rectangular	$\sqrt{3}$	0.7	0.7	$\pm 0.0\%$	$\pm 3.9\%$	$\infty$
Boundary effects	$\pm 1.0\%$	Rectangular	$\sqrt{3}$	1	1	$\pm 0.6\%$	$\pm 0.6\%$	$\infty$
Probe linearity	$\pm 4.7\%$	Rectangular	$\sqrt{3}$	1	1	$\pm 2.7\%$	$\pm 2.7\%$	$\infty$
System detection limits	$\pm 1.0\%$	Rectangular	$\sqrt{3}$	1	1	$\pm 0.6\%$	$\pm 0.6\%$	$\infty$
Readout electronics	$\pm 1.0\%$	Normal	1	1	1	$\pm 1.0\%$	$\pm 1.0\%$	$\infty$
Response time	$\pm 0.0\%$	Rectangular	$\sqrt{3}$	1	1	$\pm 0.0\%$	$\pm 0.0\%$	$\infty$
Integration time	$\pm 0.0\%$	Rectangular	$\sqrt{3}$	1	1	$\pm 0.0\%$	$\pm 0.0\%$	$\infty$
RF ambient conditions	$\pm 3.0\%$	Rectangular	$\sqrt{3}$	1	1	$\pm 1.7\%$	$\pm 1.7\%$	$\infty$
Probe positioner	$\pm 0.4\%$	Rectangular	$\sqrt{3}$	1	1	$\pm 0.2\%$	$\pm 0.2\%$	$\infty$
Probe positioning	$\pm 2.9\%$	Rectangular	$\sqrt{3}$	1	1	$\pm 1.7\%$	$\pm 1.7\%$	$\infty$
Max. SAR evaluation	$\pm 1.0\%$	Rectangular	$\sqrt{3}$	1	1	$\pm 0.6\%$	$\pm 0.6\%$	$\infty$
<b>Test Sample Related</b>								
Dipole axis to liquid distance	$\pm 2.0\%$	Normal	1	1	1	$\pm 1.2\%$	$\pm 1.2\%$	$\infty$
Power drift	$\pm 4.7\%$	Rectangular	$\sqrt{3}$	1	1	$\pm 2.7\%$	$\pm 2.7\%$	$\infty$
<b>Phantom and Set-up</b>								
Phantom uncertainty	$\pm 4.0\%$	Rectangular	$\sqrt{3}$	1	1	$\pm 2.3\%$	$\pm 2.3\%$	$\infty$
Liquid conductivity (target)	$\pm 5.0\%$	Rectangular	$\sqrt{3}$	0.64	0.43	$\pm 1.8\%$	$\pm 1.2\%$	$\infty$
Liquid conductivity (meas.)	$\pm 2.5\%$	Normal	1	0.64	0.43	$\pm 1.6\%$	$\pm 1.1\%$	$\infty$
Liquid permittivity (target)	$\pm 5.0\%$	Rectangular	$\sqrt{3}$	0.6	0.49	$\pm 1.7\%$	$\pm 1.4\%$	$\infty$
Liquid permittivity (meas.)	$\pm 2.5\%$	Normal	1	0.6	0.49	$\pm 1.5\%$	$\pm 1.2\%$	$\infty$
<b>Combined Uncertainty</b>						<b><math>\pm 8.4\%</math></b>	<b><math>\pm 8.1\%</math></b>	
<b>Expanded Std. Uncertainty</b>						<b><math>\pm 16.8\%</math></b>	<b><math>\pm 16.2\%</math></b>	

Table 7: Measurement uncertainties

**2.4.14 System validation**

The system validation is performed for verifying the accuracy of the complete measurement system and performance of the software. The system validation is performed with tissue equivalent material according to IEEE P1528 (described above). The following table shows validation results for all frequency bands and tissue liquids used during the tests of the test item described in chapter 1.5. (graphic plot(s) see annex 1).

Validation Kit	Frequency	Target Peak SAR (1000 mW) (+/- 10%)	Target SAR <sub>1g</sub> (1000 mW) (+/- 10%)	Measured Peak SAR (1000 mW)	Measured SAR <sub>1g</sub> (1000 mW)	Measured date
D900V2 S/N: 102	900 MHz head	15.4 mW/g	10.5 mW/g	14.5 mW/g	10.1 mW/g	2008-11-02
D900V2 S/N: 102	900 MHz body	16.4 mW/g	10.8 mW/g	15.7 mW/g	10.8 mW/g	2008-10-31
D1900V2 S/N: 531	1900 MHz head	71.6 mW/g	37.6 mW/g	68.7 mW/g	37.5 mW/g	2008-11-03
D1900V2 S/N: 531	1900 MHz body	69.6 mW/g	38.3 mW/g	73.6 mW/g	40.2 mW/g	2008-11-04
D2450V2 S/N: 710	2450 MHz head	110.8 mW/g	51.4 mW/g	103.6 mW/g	48.8 mW/g	2008-10-30
D2450V2 S/N: 710	2450 MHz body	99.6 mW/g	49.4 mW/g	108.9 mW/g	51.5 mW/g	2008-10-31

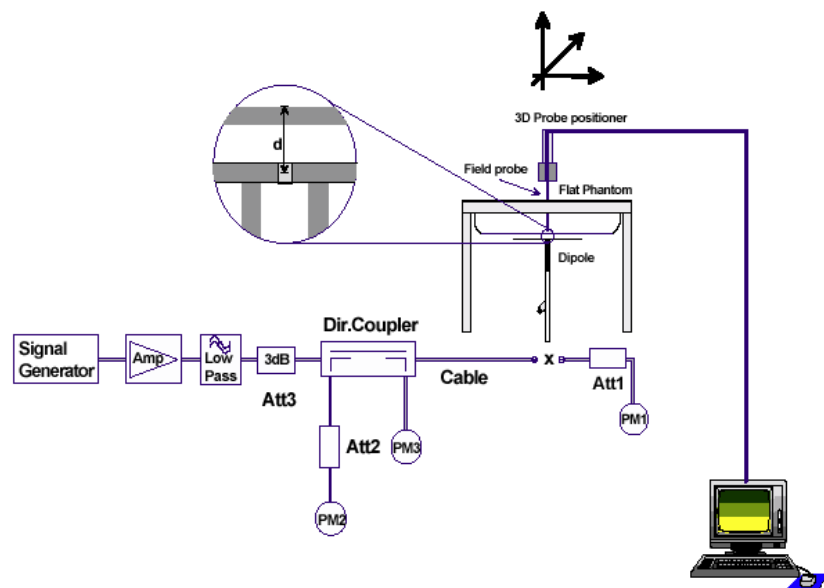
Table 8: Results system validation

Note : 900 MHz probe/dipole calibration is valid +/-100 MHz and fully covers the 850 MHz band.

### 2.4.15 Validation procedure

The validation is performed by using a validation dipole which is positioned parallel to the planar part of the SAM phantom at the reference point. The distance of the dipole to the SAM phantom is determined by a plexiglass spacer. The dipole is connected to the signal source consisting of signal generator and amplifier via a directional coupler, N-connector cable and adaption to SMA. It is fed with a power of 1000 mW. To adjust this power a power meter is used. The power sensor is connected to the cable before the validation to measure the power at this point and do adjustments at the signal generator. At the outputs of the directional coupler both return loss as well as forward power are controlled during the validation to make sure that emitted power at the dipole is kept constant. This can also be checked by the power drift measurement after the test (result on plot).

Validation results have to be equal or near the values determined during dipole calibration (target SAR in table above) with the relevant liquids and test system.



**2.5 Test results (conducted power measurement)**

For the measurements a Rohde & Schwarz Radio Communication Tester CMU 200 was used. The output power was measured using an integrated RF connector and attached RF cable. The conducted output power was measured before and after each SAR measurement. The resulting power values were within a 0.2 dB tolerance of the values shown below.

<b>PCS 850</b>		
Channel / frequency	GMSK	8-PSK
128 / 824.2 MHz	32.7 dBm	27.3 dBm
190 / 836.6 MHz	32.6 dBm	27.1 dBm
251 / 848.8 MHz	32.6 dBm	27.2 dBm
<b>PCS 1900</b>		
Channel / frequency	GMSK	8-PSK
512 / 1850.2 MHz	29.9 dBm	25.2 dBm
661 / 1880.0 MHz	29.8 dBm	25.1 dBm
810 / 1909.8 MHz	29.8 dBm	25.2 dBm
<b>WLAN IEEE 802.11 b/g</b>		
Channel / frequency	802.11b	82.11g
1 / 2412 MHz	17.21 dBm	21.97 dBm
6 / 2437 MHz	17.40 dBm	21.72 dBm
11 / 2472 MHz	18.00 dBm	21.96 dBm

Table 9: Test results conducted peak power measurement

Note : WLAN conducted results are taken from measurements for part 15.247 test report. The programmed target output power values (averaged) were 17 dBm for 802.11b mode and 13 dBm for 802.11g mode.

**2.5.1 Multiple Transmitter Information**

Apart from the GSM transmitter the DUT incorporates both a WLAN and a Bluetooth module. The GSM antenna is placed at the bottom edge of the device, while the WLAN antenna is placed at the top end next to the camera. The distance between both antennas is larger than 5 cm. As the sum of the worst case SAR values for GSM and WLAN remains below 1.6 W/kg the SAR-to-distance ratio does not exceed a value of 0.3 and therefore no additional volume scans are necessary for that configuration.

The Bluetooth antenna (module output power < 5 mW) is placed at the top end of the device and is separated from the WLAN antenna by the camera. So the calculated maximum distance of 0.3 cm that requires a simultaneous transmit measurement with BT/WLAN is exceeded and no additional measurement was necessary for that configuration, too.

**2.6 Test results (Head and Body SAR)**

The table contains the measured SAR values averaged over a mass of 1 g					
Channel / frequency	Position	Left hand position	Right hand position	Limit	Liquid temperature
Slide-in					
128 / 824.2 MHz	cheek	0.497 W/kg	0.495 W/kg	1.6 W/kg	22.4/21.8 °C
190 / 836.6 MHz	cheek	0.631 W/kg	0.630 W/kg	1.6 W/kg	22.4/21.8 °C
251 / 848.8 MHz	cheek	0.692 W/kg	0.723 W/kg	1.6 W/kg	22.4/21.8 °C
128 / 824.2 MHz	tilted 15°	0.342 W/kg	0.355 W/kg	1.6 W/kg	22.4/21.8 °C
190 / 836.6 MHz	tilted 15°	0.336 W/kg	0.440 W/kg	1.6 W/kg	22.4/21.8 °C
251 / 848.8 MHz	tilted 15°	0.390 W/kg	0.480 W/kg	1.6 W/kg	22.4/21.8 °C
Slide opened					
128 / 824.2 MHz	cheek	0.425 W/kg	0.444 W/kg	1.6 W/kg	21.9/21.8 °C
190 / 836.6 MHz	cheek	0.571 W/kg	0.588 W/kg	1.6 W/kg	21.9/21.8 °C
251 / 848.8 MHz	cheek	<b>0.738 W/kg</b>	0.695 W/kg	1.6 W/kg	21.9/21.8 °C
128 / 824.2 MHz	tilted 15°	0.294 W/kg	0.300 W/kg	1.6 W/kg	21.9/22.1 °C
190 / 836.6 MHz	tilted 15°	0.327 W/kg	0.346 W/kg	1.6 W/kg	21.9/22.1 °C
251 / 848.8 MHz	tilted 15°	0.440 W/kg	0.408 W/kg	1.6 W/kg	21.9/22.1 °C

Table 10: Test results (Head SAR 850 MHz)

The table contains the measured SAR values averaged over a mass of 1 g				
Channel / frequency	Position	Body worn	Limit	Liquid temperature
128 / 824.2 MHz	front	0.155 W/kg	1.6 W/kg	21.2 °C
190 / 836.6 MHz	front	0.277 W/kg	1.6 W/kg	21.2 °C
251 / 848.8 MHz	front	0.413 W/kg	1.6 W/kg	21.3 °C
128 / 824.2 MHz	rear	0.400 W/kg	1.6 W/kg	21.2 °C
190 / 836.6 MHz	rear	0.505 W/kg	1.6 W/kg	21.2 °C
251 / 848.8 MHz	rear	<b>0.742 W/kg</b>	1.6 W/kg	21.2 °C
251 / 848.8 MHz	rear ITS	0.527 W/kg	1.6 W/kg	21.1 °C
251 / 848.8 MHz	rear EDGE	0.345 W/kg	1.6 W/kg	20.8 °C

Table 11: Test results (Body SAR 850 MHz)

Note: The SAR test shall be performed at the high, middle and low frequency channels of each operating mode. If the SAR measured at mid-band channel for each test configuration is at least 3.0 dB lower than the SAR limit (< 0.8 W/kg), testing at the high and low channels is optional.

Tests in body position were performed with 15 mm air gap between DUT and SAM to simulate the use of a non-metallic belt-clip or holster.

The table contains the measured SAR values averaged over a mass of 1 g

Channel / frequency	Position	Left hand position	Right hand position	Limit	Liquid temperature
Slide-in					
512 / 1850.2 MHz	cheek	0.528 W/kg	0.631 W/kg	1.6 W/kg	21.7/22.0 °C
661 / 1880.0 MHz	cheek	0.709 W/kg	0.897 W/kg	1.6 W/kg	21.7/22.0 °C
810 / 1909.8 MHz	cheek	0.826 W/kg	1.12 W/kg	1.6 W/kg	21.7/22.0 °C
512 / 1850.2 MHz	tilted 15°	0.248 W/kg	0.320 W/kg	1.6 W/kg	21.8/22.0 °C
661 / 1880.0 MHz	tilted 15°	0.251 W/kg	0.632 W/kg	1.6 W/kg	21.8/22.0 °C
810 / 1909.8 MHz	tilted 15°	0.279 W/kg	0.374 W/kg	1.6 W/kg	21.8/22.0 °C
Slide opened					
512 / 1850.2 MHz	cheek	0.878 W/kg	0.518 W/kg	1.6 W/kg	21.3/22.1 °C
661 / 1880.0 MHz	cheek	1.010 W/kg	0.564 W/kg	1.6 W/kg	21.3/22.1 °C
810 / 1909.8 MHz	cheek	<b>1.230 W/kg</b>	0.623 W/kg	1.6 W/kg	21.3/22.1 °C
512 / 1850.2 MHz	tilted 15°	0.289 W/kg	0.276 W/kg	1.6 W/kg	21.3/22.1 °C
661 / 1880.0 MHz	tilted 15°	0.330 W/kg	0.346 W/kg	1.6 W/kg	21.3/22.1 °C
810 / 1909.8 MHz	tilted 15°	0.436 W/kg	0.495 W/kg	1.6 W/kg	21.3/22.1 °C

Table 12: Test results (Head SAR 1900 MHz)

The table contains the measured SAR values averaged over a mass of 1 g

Channel / frequency	Position	Body worn	Limit	Liquid temperature
512 / 1850.2 MHz	front	0.207 W/kg	1.6 W/kg	21.7 °C
661 / 1880.0 MHz	front	0.254 W/kg	1.6 W/kg	21.7 °C
810 / 1909.8 MHz	front	0.293 W/kg	1.6 W/kg	21.7 °C
512 / 1850.2 MHz	rear	0.478 W/kg	1.6 W/kg	21.7 °C
661 / 1880.0 MHz	rear	0.588 W/kg	1.6 W/kg	21.7 °C
810 / 1909.8 MHz	rear	<b>0.680 W/kg</b>	1.6 W/kg	21.7 °C
810 / 1909.8 MHz	rear ITS	0.477 W/kg	1.6 W/kg	21.7 °C
810 / 1909.8 MHz	rear EDGE	0.304 W/kg	1.6 W/kg	21.7 °C

Table 13: Test results (Body SAR 1900 MHz)

Note: The SAR test shall be performed at the high, middle and low frequency channels of each operating mode. If the SAR measured at mid-band channel for each test configuration is at least 3.0 dB lower than the SAR limit (< 0.8 W/kg), testing at the high and low channels is optional.

Tests in body position were performed with 15 mm air gap between DUT and SAM to simulate the use of a non-metallic belt-clip or holster.



The table contains the measured SAR values averaged over a mass of 1 g					
Channel / frequency	Position	Left hand position	Right hand position	Limit	Liquid temperature
Slide-in					
Ch 1 / 2412 MHz	cheek	0.049 W/kg	0.073 W/kg	1.6 W/kg	20.6/20.3 °C
Ch 6 / 2437 MHz	cheek	0.051 W/kg	<b>0.099 W/kg</b>	1.6 W/kg	20.7/20.3 °C
Ch11 / 2462 MHz	cheek	0.070 W/kg	0.098 W/kg	1.6 W/kg	20.4/20.3 °C
Ch 1 / 2412 MHz	tilted 15°	0.059 W/kg	0.066 W/kg	1.6 W/kg	20.6/20.3 °C
Ch 6 / 2437 MHz	tilted 15°	0.054 W/kg	0.090 W/kg	1.6 W/kg	20.7/20.3 °C
Ch11 / 2462 MHz	tilted 15°	0.074 W/kg	0.088 W/kg	1.6 W/kg	20.4/20.3 °C
Ch 6 / 2437 MHz	cheek / 11 Mbps / DSSS		0.088 W/kg	1.6 W/kg	20.1 °C
Ch 6 / 2437 MHz	cheek / 6 Mbps / OFDM		0.030 W/kg	1.6 W/kg	20.1 °C
Ch 6 / 2437 MHz	cheek / 54 Mbps / OFDM		0.039 W/kg	1.6 W/kg	20.1 °C
Slide opened					
Ch 1 / 2412 MHz	cheek	0.044 W/kg	0.043 W/kg	1.6 W/kg	20.6/20.3 °C
Ch 6 / 2437 MHz	cheek	0.026 W/kg	0.063 W/kg	1.6 W/kg	20.7/20.3 °C
Ch11 / 2462 MHz	cheek	0.072 W/kg	0.059 W/kg	1.6 W/kg	20.4/20.3 °C
Ch 1 / 2412 MHz	tilted 15°	0.027 W/kg	0.024 W/kg	1.6 W/kg	20.6/20.3 °C
Ch 6 / 2437 MHz	tilted 15°	0.032 W/kg	0.028 W/kg	1.6 W/kg	20.7/20.3 °C
Ch11 / 2462 MHz	tilted 15°	0.040 W/kg	0.032 W/kg	1.6 W/kg	20.4/20.3 °C

Table 14: Test results (Head SAR 2450 MHz)

The table contains the measured SAR values averaged over a mass of 1 g					
Channel / frequency	Position	Data rate / modulation	Body worn	Limit	Liquid temperature
Ch 1 / 2412 MHz	front	1 Mbps / DSSS	0.034 W/kg	1.6 W/kg	20.2 °C
Ch 6 / 2437 MHz	front	1 Mbps / DSSS	0.035 W/kg	1.6 W/kg	20.2 °C
Ch11 / 2462 MHz	front	1 Mbps / DSSS	0.038 W/kg	1.6 W/kg	20.2 °C
Ch 1 / 2412 MHz	rear	1 Mbps / DSSS	0.050 W/kg	1.6 W/kg	20.2 °C
Ch 6 / 2437 MHz	rear	1 Mbps / DSSS	0.068 W/kg	1.6 W/kg	20.2 °C
Ch11 / 2462 MHz	rear	1 Mbps / DSSS	<b>0.088 W/kg</b>	1.6 W/kg	20.2 °C
Ch11 / 2462 MHz	rear	11 Mbps / DSSS	0.080 W/kg	1.6 W/kg	20.2 °C
Ch11 / 2462 MHz	rear	6 Mbps / OFDM	0.022 W/kg	1.6 W/kg	20.2 °C
Ch11 / 2462 MHz	rear	54 Mbps / OFDM	0.025 W/kg	1.6 W/kg	20.2 °C

Table 15: Test results (Body SAR 2450 MHz)

Note: The SAR test shall be performed at the high, middle and low frequency channels of each operating mode. If the SAR measured at mid-band channel for each test configuration is at least 3.0 dB lower than the SAR limit ( $< 0.8 \text{ W/kg}$ ), testing at the high and low channels is optional.

Tests in body position were performed with 15 mm air gap between DUT and SAM to simulate the use of a non-metallic belt-clip or holster.

SAR measurements were performed in GPRS mode with 2 active timeslots.

An additional delta measurement was performed with 1 timeslot. In EDGE mode a delta measurement was performed with MCS5 (8-PSK modulation).

## 2.6.1 General description of test procedures

The DUT is tested using a CMU 200 communications tester as controller unit to set test channels and maximum output power to the DUT, as well as for measuring the conducted peak power.

Test positions as described in the tables above are in accordance with the specified test standard.

Tests in body position are performed with the maximum number of timeslots in uplink.

Tests in head position are performed in voice mode with 1 timeslot unless GPRS/EGPRS function allows parallel voice and data traffic on 2 or more timeslots (see chapter 1.5 for details).

The WLAN tests were performed with data rate 1 Mbps in 802.11b mode and 17dBm output power setting. At the worst case positions additional tests were performed with data rate 11 Mbps in 802.11b mode and 6 Mbps / 54 Mbps in 802.11g with 13dBm output power setting. The DUT was set in continuous TX mode.

Conducted output power was measured using an integrated RF connector and attached RF cable.

**Annex 1 System performance verification**

Date/Time: 2008-11-02 13:30:07 Date/Time: 2008-11-02 13:33:42

**System Performance Check-D900-850 head**

**DUT: Dipole 900 MHz; Type: D900V2; Serial: 102**

Communication System: CW; Frequency: 900 MHz; Duty Cycle: 1:1

Medium: HSL850 Medium parameters used:  $f = 900 \text{ MHz}$ ;  $\sigma = 0.94 \text{ mho/m}$ ;  $\epsilon_r = 40.3$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1558; ConvF(5.99, 5.99, 5.99); Calibrated: 2008-08-15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn413; Calibrated: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

**d=15mm, Pin=1000mW/Area Scan (51x51x1):** Measurement grid: dx=15mm, dy=15mm

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

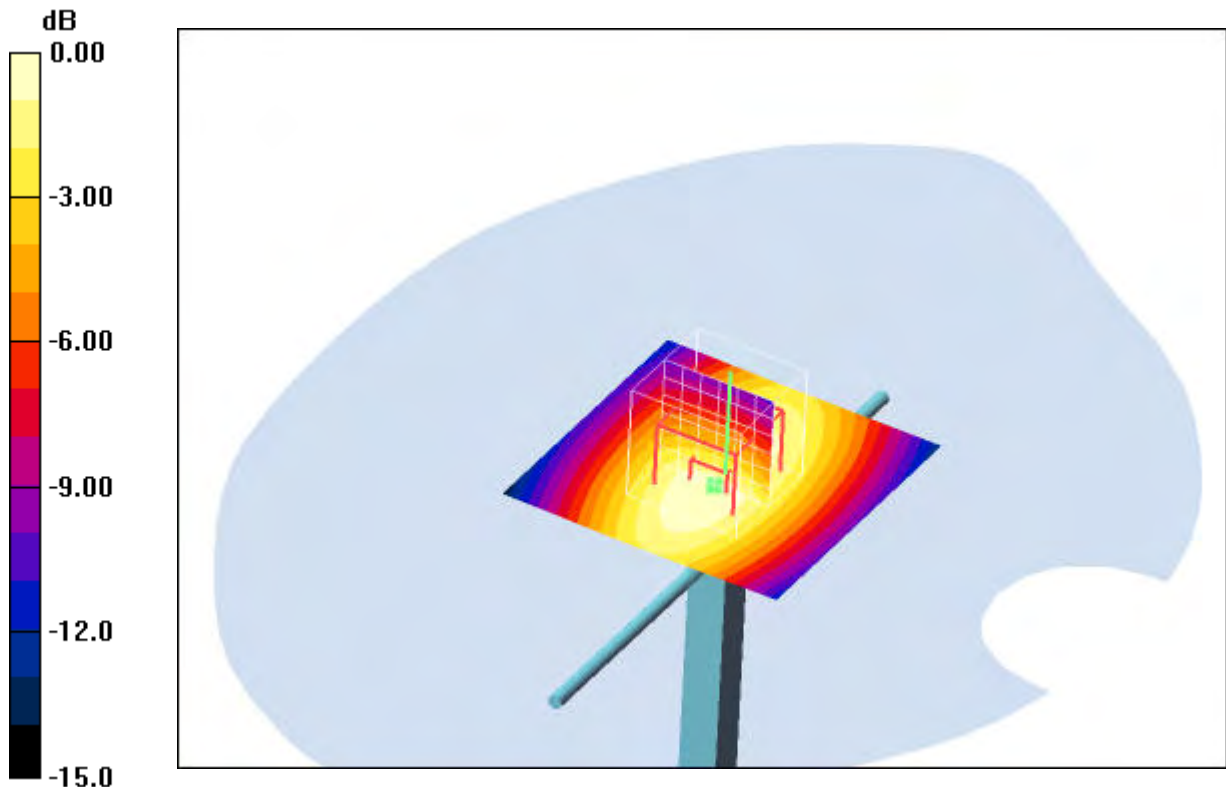
**d=15mm, Pin=1000mW/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 112.0 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 14.5 W/kg

**SAR(1 g) = 10.1 mW/g; SAR(10 g) = 6.55 mW/g**

Maximum value of SAR (measured) = 10.9 mW/g



0 dB = 10.9mW/g

**Additional information:**

position or distance of DUT to SAM (if not standard head positions) :

ambient temperature: 22.7°C; liquid temperature: 22.5°C

**System Performance Check-D900-850 body 2008-10-31**

**DUT: Dipole 900 MHz; Type: D900V2; Serial: 102**

Communication System: CW; Frequency: 900 MHz; Duty Cycle: 1:1

Medium: M850 Medium parameters used:  $f = 900 \text{ MHz}$ ;  $\sigma = 1.03 \text{ mho/m}$ ;  $\epsilon_r = 55.7$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1558; ConvF(5.8, 5.8, 5.8); Calibrated: 2008-08-15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn413; Calibrated: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

**d=15mm, Pin=1000mW/Area Scan (51x51x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

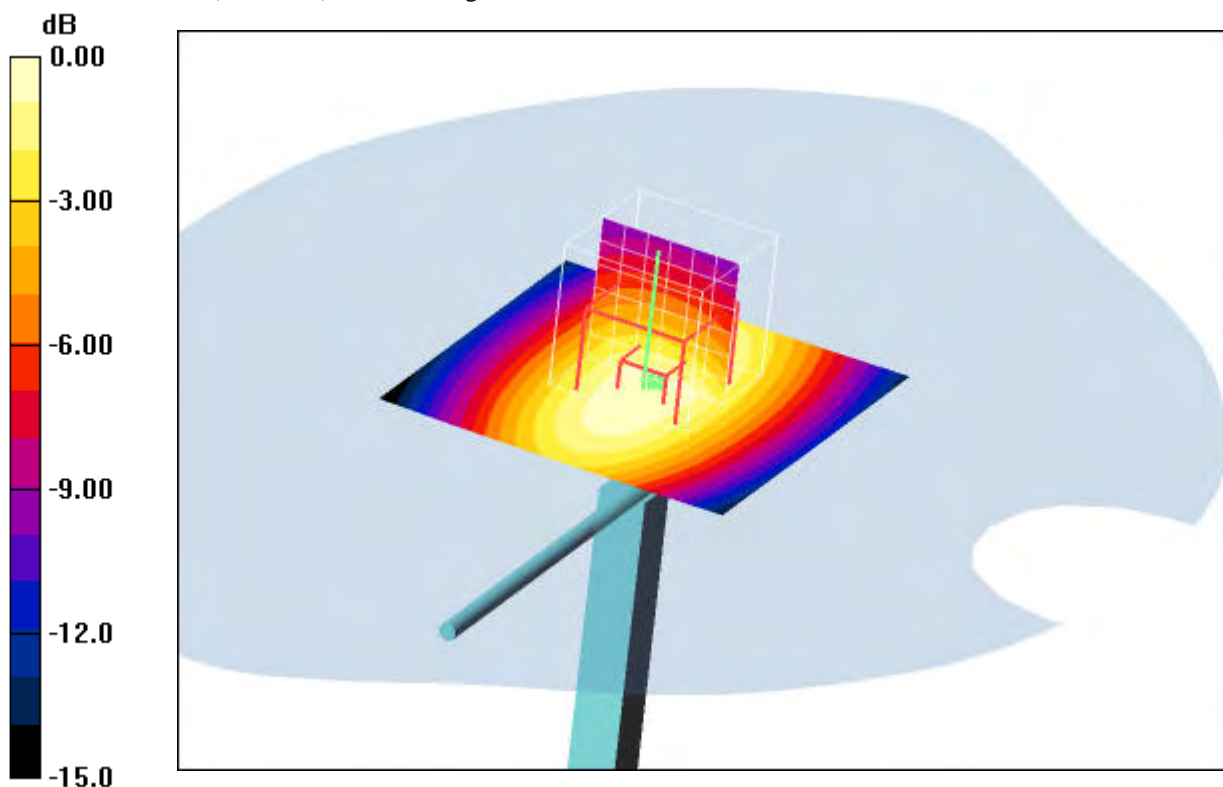
**d=15mm, Pin=1000mW/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 111.2 V/m; Power Drift = -0.011 dB

Peak SAR (extrapolated) = 15.7 W/kg

**SAR(1 g) = 10.8 mW/g; SAR(10 g) = 7.03 mW/g**

Maximum value of SAR (measured) = 11.8 mW/g



0 dB = 11.8mW/g

**Additional information:**

position or distance of DUT to SAM (if not standard head positions) :

ambient temperature: 22.8°C; liquid temperature: 21.0°C

Date/Time: 2008-11-03 10:24:40 Date/Time: 2008-11-03 10:28:16

**System Performance Check-D1900 head 2008-11-03**

**DUT: Dipole 1900 MHz; Type: D1900V2; Serial: D1900V2 - SN:531**

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

Medium: HSL1900 Medium parameters used (interpolated):  $f = 1900 \text{ MHz}$ ;  $\sigma = 1.41 \text{ mho/m}$ ;  $\epsilon_r = 39.4$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1558; ConvF(4.96, 4.96, 4.96); Calibrated: 2008-08-15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn413; Calibrated: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

**d=10mm, Pin=1000mW/Area Scan (51x51x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 48.9 mW/g

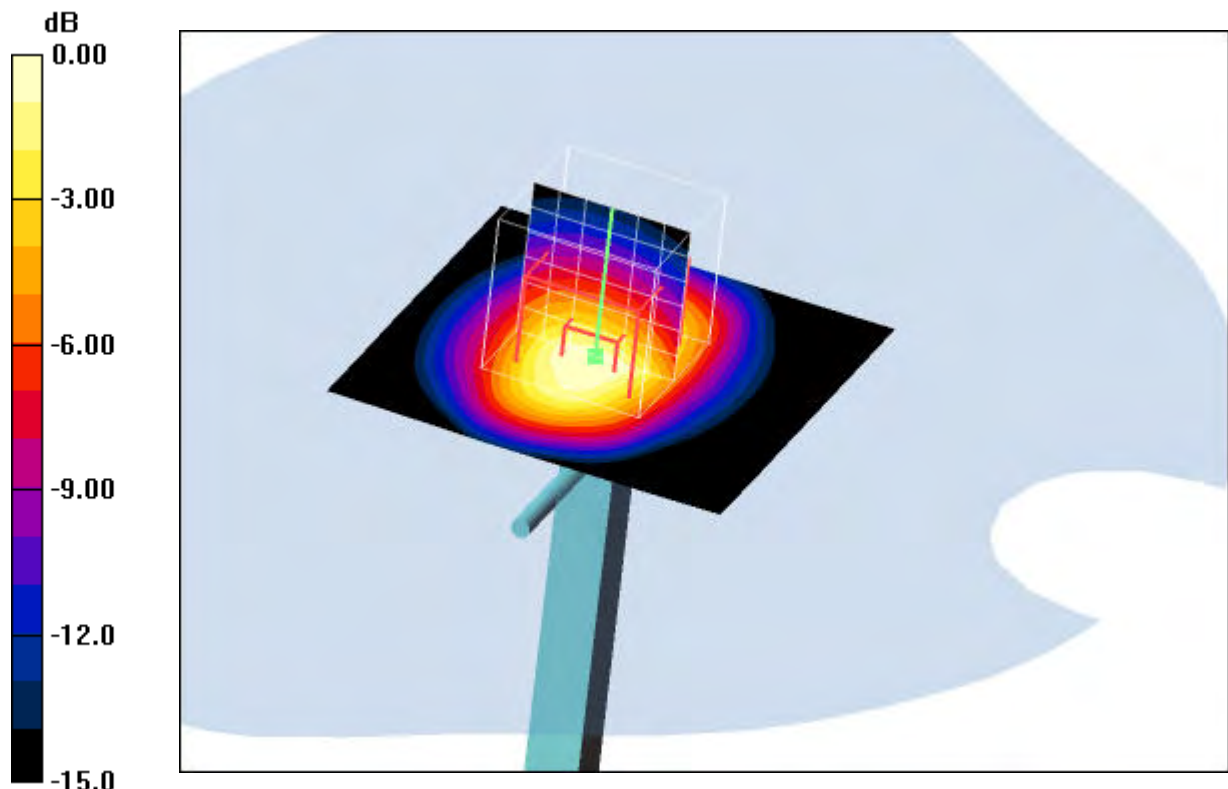
**d=10mm, Pin=1000mW/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 176.4 V/m; Power Drift = -0.030 dB

Peak SAR (extrapolated) = 68.7 W/kg

**SAR(1 g) = 37.5 mW/g; SAR(10 g) = 19.7 mW/g**

Maximum value of SAR (measured) = 42.0 mW/g



0 dB = 42.0mW/g

**Additional information:**

position or distance of DUT to SAM (if not standard head positions) :

ambient temperature: 23.0°C; liquid temperature: 22.0°C

Date/Time: 2008-11-04 16:50:05 Date/Time: 2008-11-04 16:53:41

**System Performance Check-D1900 body**

**DUT: Dipole 1900 MHz; Type: D1900V2; Serial: D1900V2 - SN:531**

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

Medium: M1900-1950 Medium parameters used:  $f = 1900 \text{ MHz}$ ;  $\sigma = 1.52 \text{ mho/m}$ ;  $\epsilon_r = 52.7$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1558; ConvF(4.39, 4.39, 4.39); Calibrated: 2008-08-15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn413; Calibrated: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

**d=10mm, Pin=1000mW/Area Scan (51x51x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 54.7 mW/g

**d=10mm, Pin=1000mW/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm,

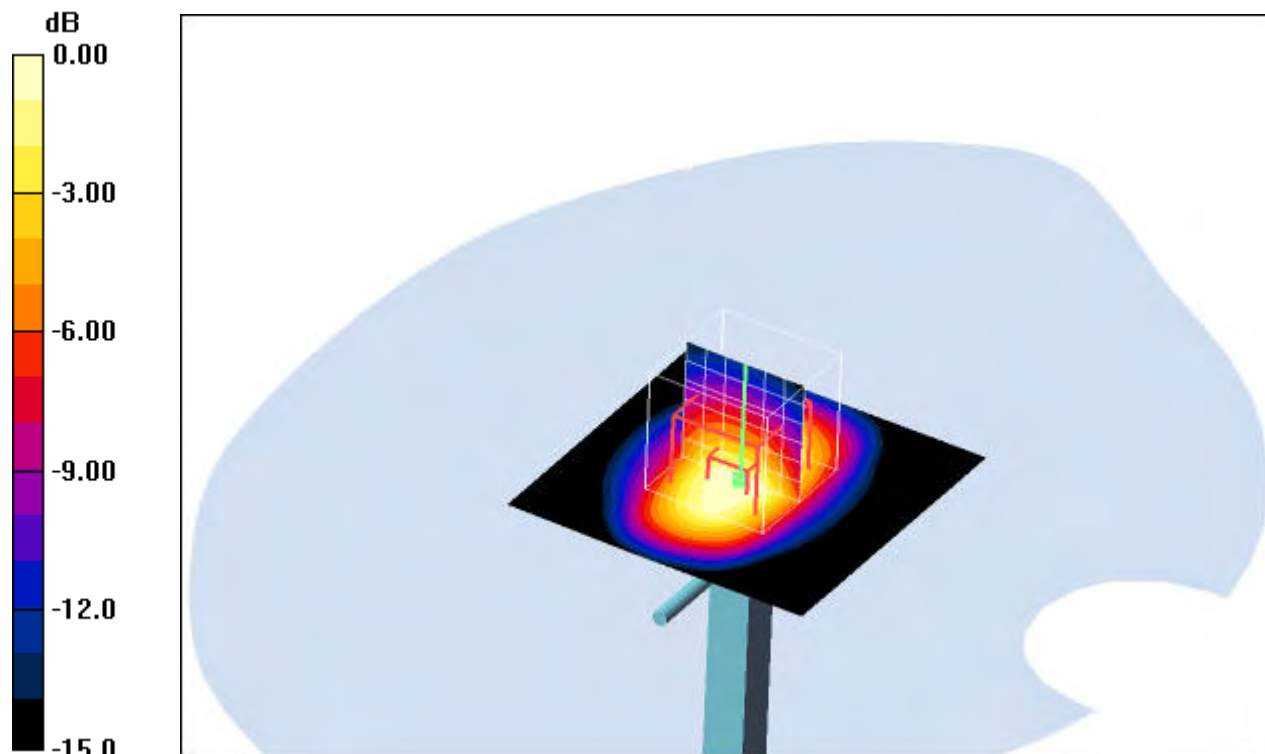
dz=5mm

Reference Value = 179.8 V/m; Power Drift = -0.056 dB

Peak SAR (extrapolated) = 73.6 W/kg

**SAR(1 g) = 40.2 mW/g; SAR(10 g) = 21.4 mW/g**

Maximum value of SAR (measured) = 45.1 mW/g



0 dB = 45.1mW/g

**Additional information:**

position or distance of DUT to SAM (if not standard head positions) :

ambient temperature: 22.8°C; liquid temperature: 21.7°C

**System Performance Check-D2450 head 2008-10-30**

**DUT: Dipole 2450 MHz; Type: D2450V2; Serial: D2450V2 - SN:710**

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

Medium: HSL2450 Medium parameters used:  $f = 2450 \text{ MHz}$ ;  $\sigma = 1.88 \text{ mho/m}$ ;  $\epsilon_r = 38.6$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1559; ConvF(4.56, 4.56, 4.56); Calibrated: 23.01.2008
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection) Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn477; Calibrated: 14.05.2008
- Phantom: SAM left; Type: SAM; Serial: 1041
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 146

**d=10mm, Pin=1000mW/Area Scan (51x51x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 72.9 mW/g

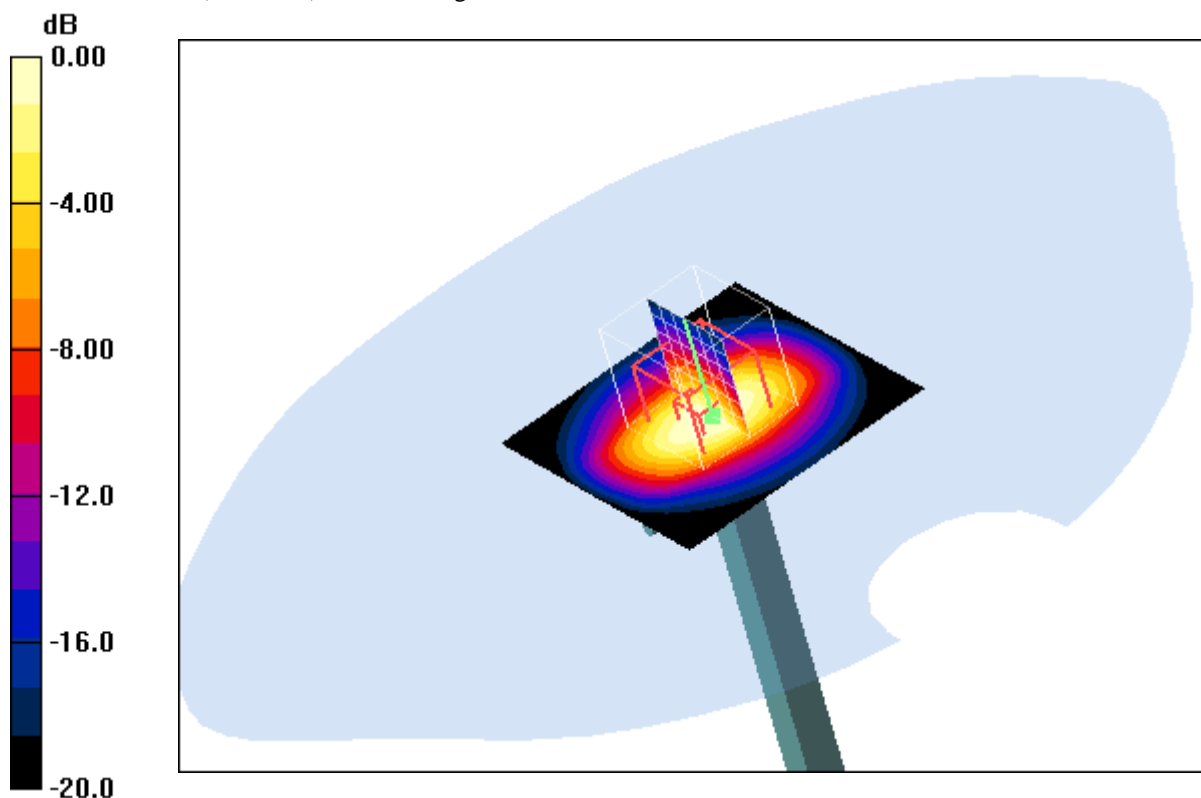
**d=10mm, Pin=1000mW/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 177.9 V/m; Power Drift = 0.044 dB

Peak SAR (extrapolated) = 103.6 W/kg

**SAR(1 g) = 48.8 mW/g; SAR(10 g) = 22.9 mW/g**

Maximum value of SAR (measured) = 54.5 mW/g



0 dB = 54.5mW/g

**Additional information:**

position or distance of DUT to SAM (if not standard head positions) :

ambient temperature: 21.3°C; liquid temperature: 20.5°C

Date/Time: 31.10.2008 08:21:33 Date/Time: 31.10.2008 08:38:20

**System Performance Check-D2450 body 2008-10-31**

**DUT: Dipole 2450 MHz; Type: D2450V2; Serial: D2450V2 - SN:710**

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

Medium: M2450 Medium parameters used:  $f = 2450 \text{ MHz}$ ;  $\sigma = 1.99 \text{ mho/m}$ ;  $\epsilon_r = 52.2$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1559; ConvF(3.98, 3.98, 3.98); Calibrated: 23.01.2008
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection) Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn477; Calibrated: 14.05.2008
- Phantom: SAM left; Type: SAM; Serial: 1041
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 146

**d=10mm, Pin=1000mW/Area Scan (51x51x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 75.7 mW/g

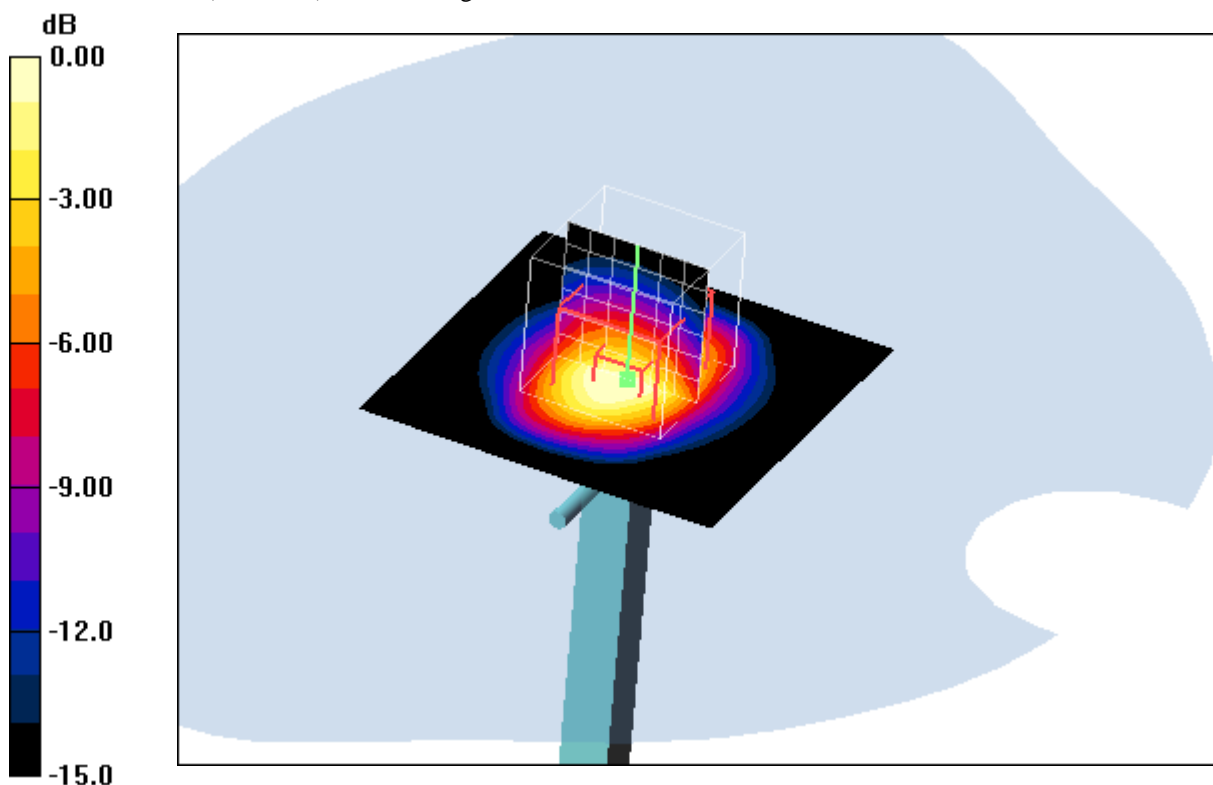
**d=10mm, Pin=1000mW/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 173.2 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 108.9 W/kg

**SAR(1 g) = 51.5 mW/g; SAR(10 g) = 24.2 mW/g**

Maximum value of SAR (measured) = 57.2 mW/g



0 dB = 57.2mW/g

**Additional information:**

position or distance of DUT to SAM (if not standard head positions) :

ambient temperature: 21.9°C; liquid temperature: 20.2°C



**Annex 2 Measurement results (printout from DASY TM)**

**Remark: results of conducted power measurements: see chapter 2.5/2.6 (if applicable)**

**Annex 2.1 PCS 850 MHz head**

Date/Time: 2008-11-02 13:53:17 Date/Time: 2008-11-02 14:00:07

**P1528\_OET65-LeftHandSide-GSM850**

**DUT: Sony Ericsson; Type: AAD-3880006-BV; Serial: CB5114ZER0**

Communication System: PCS 850; Frequency: 824.2 MHz; Duty Cycle: 1:8

Medium: HSL850 Medium parameters used:  $f = 824.2 \text{ MHz}$ ;  $\sigma = 0.87 \text{ mho/m}$ ;  $\epsilon_r = 41$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1558; ConvF(6.19, 6.19, 6.19); Calibrated: 2008-08-15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn413; Calibrated: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

**Touch position - Low/Area Scan (51x91x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

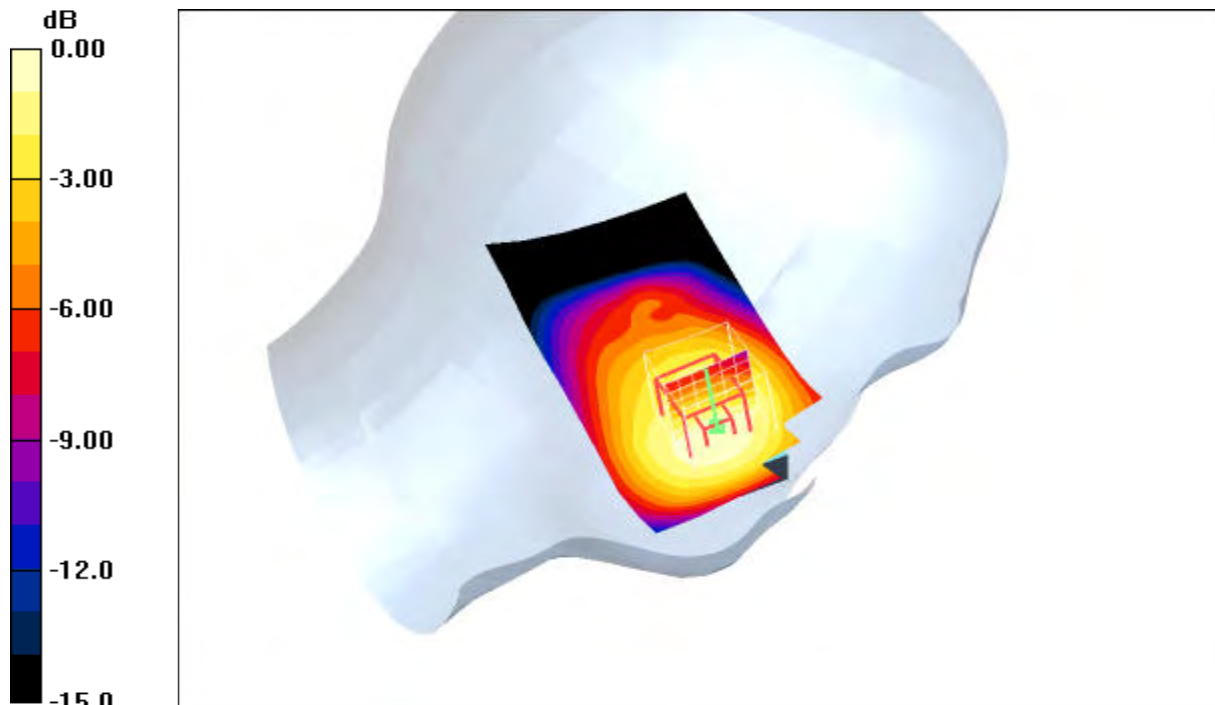
**Touch position - Low/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 25.2 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.641 W/kg

**SAR(1 g) = 0.497 mW/g; SAR(10 g) = 0.365 mW/g**

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



0 dB = 0.528mW/g

**Additional information:**

position or distance of DUT to SAM (if not standard head positions) :

ambient temperature: 22.7 °C; liquid temperature: 22.4 °C

Date/Time: 2008-11-02 14:15:18 Date/Time: 2008-11-02 14:22:00

**P1528\_OET65-LeftHandSide-GSM850**

**DUT: Sony Ericsson; Type: AAD-3880006-BV; Serial: CB5114ZER0**

Communication System: PCS 850; Frequency: 836.6 MHz; Duty Cycle: 1:8

Medium: HSL850 Medium parameters used:  $f = 836.6 \text{ MHz}$ ;  $\sigma = 0.87 \text{ mho/m}$ ;  $\epsilon_r = 41$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1558; ConvF(6.19, 6.19, 6.19); Calibrated: 2008-08-15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn413; Calibrated: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

**Touch position - Middle/Area Scan (51x91x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 0.663 mW/g

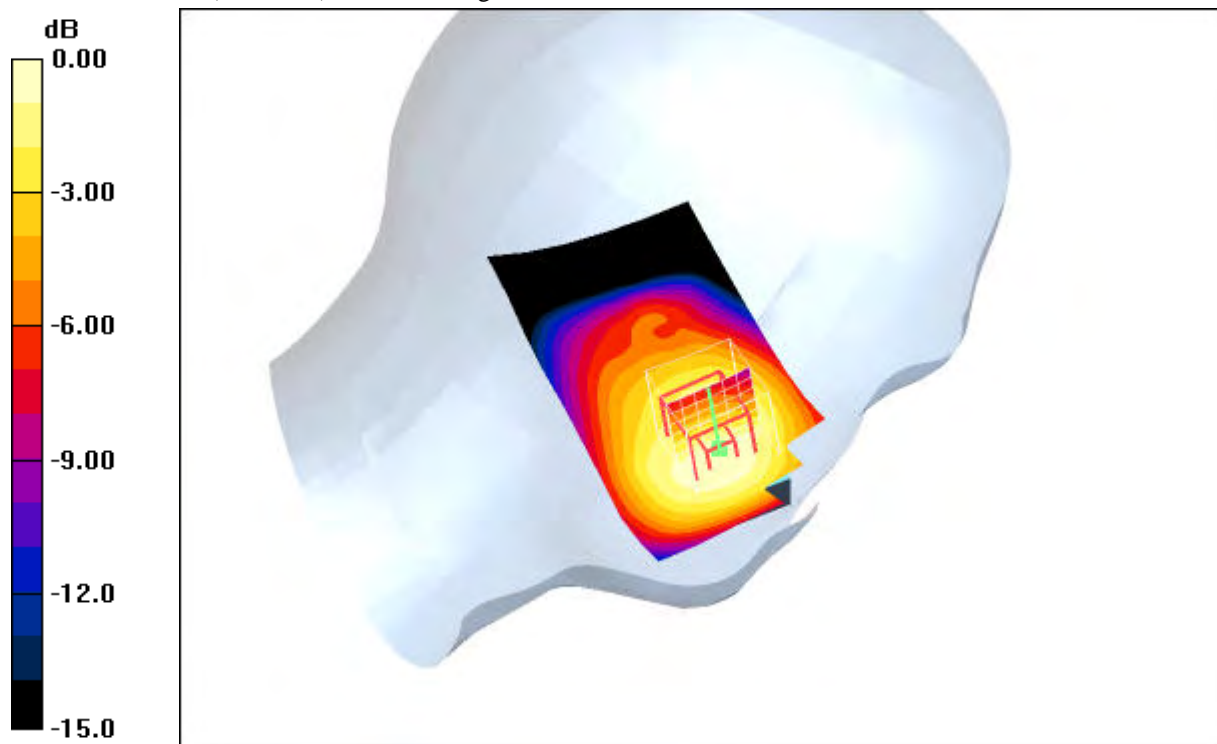
**Touch position - Middle/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 28.5 V/m; Power Drift = -0.094 dB

Peak SAR (extrapolated) = 0.818 W/kg

**SAR(1 g) = 0.631 mW/g; SAR(10 g) = 0.461 mW/g**

Maximum value of SAR (measured) = 0.671 mW/g



0 dB = 0.671 mW/g

**Additional information:**

position or distance of DUT to SAM (if not standard head positions) :

ambient temperature: 22.7 °C; liquid temperature: 22.4 °C

Date/Time: 2008-11-02 14:37:08 Date/Time: 2008-11-02 14:44:03

**P1528\_OET65-LeftHandSide-GSM850**

**DUT: Sony Ericsson; Type: AAD-3880006-BV; Serial: CB5114ZER0**

Communication System: PCS 850; Frequency: 848.8 MHz; Duty Cycle: 1:8

Medium: HSL850 Medium parameters used:  $f = 848.8 \text{ MHz}$ ;  $\sigma = 0.87 \text{ mho/m}$ ;  $\epsilon_r = 41$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1558; ConvF(6.19, 6.19, 6.19); Calibrated: 2008-08-15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn413; Calibrated: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

**Touch position - High/Area Scan (51x91x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

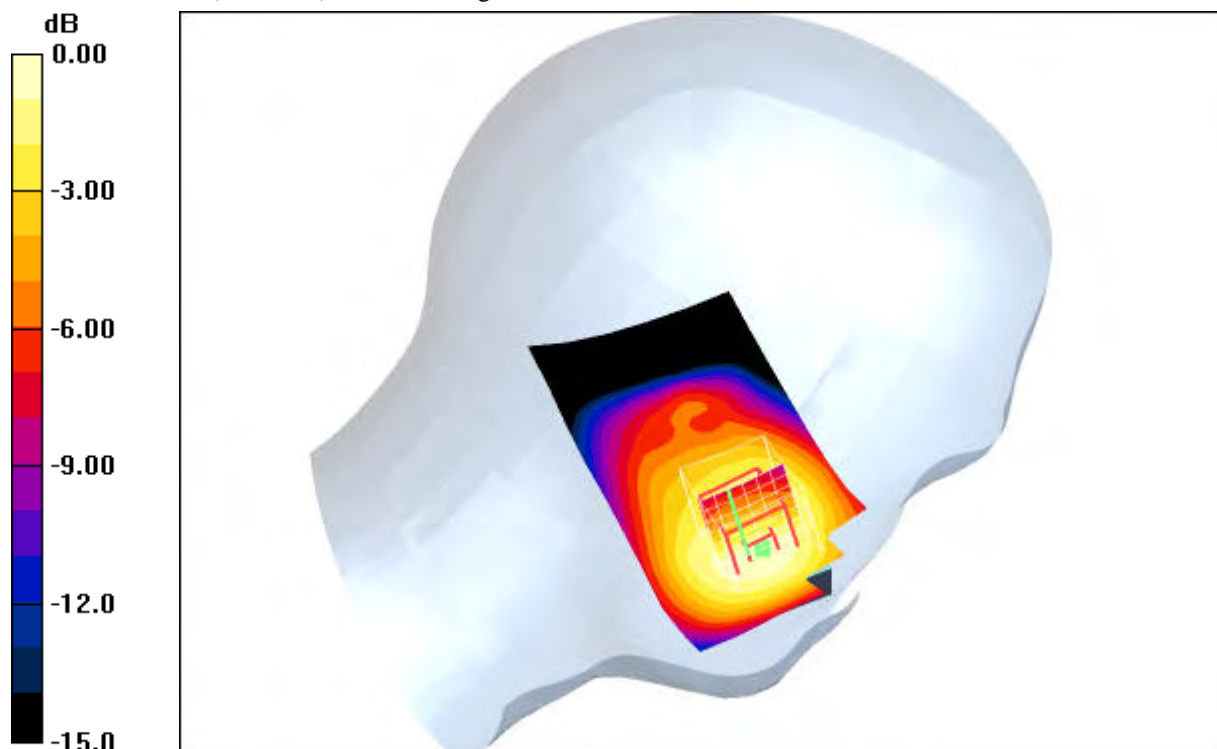
**Touch position - High/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 29.5 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.931 W/kg

**SAR(1 g) = 0.692 mW/g; SAR(10 g) = 0.499 mW/g**

Maximum value of SAR (measured) = 0.733 mW/g



0 dB = 0.733mW/g

**Additional information:**

position or distance of DUT to SAM (if not standard head positions) :

ambient temperature: 22.7 °C; liquid temperature: 22.4 °C

Date/Time: 2008-11-02 16:23:23 Date/Time: 2008-11-02 16:30:15 Date/Time: 2008-11-02 16:41:36

**P1528\_OET65-LeftHandSide-GSM850**

**DUT: Sony Ericsson; Type: AAD-3880006-BV; Serial: CB5114ZER0**

Communication System: PCS 850; Frequency: 824.2 MHz; Duty Cycle: 1:8

Medium: HSL850 Medium parameters used:  $f = 824.2 \text{ MHz}$ ;  $\sigma = 0.87 \text{ mho/m}$ ;  $\epsilon_r = 41$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1558; ConvF(6.19, 6.19, 6.19); Calibrated: 2008-08-15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn413; Calibrated: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

**Tilt position - Low/Area Scan (51x91x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 0.388 mW/g

**Tilt position - Low/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 21.1 V/m; Power Drift = 0.013 dB

Peak SAR (extrapolated) = 0.791 W/kg

**SAR(1 g) = 0.292 mW/g; SAR(10 g) = 0.198 mW/g**

Maximum value of SAR (measured) = 0.309 mW/g

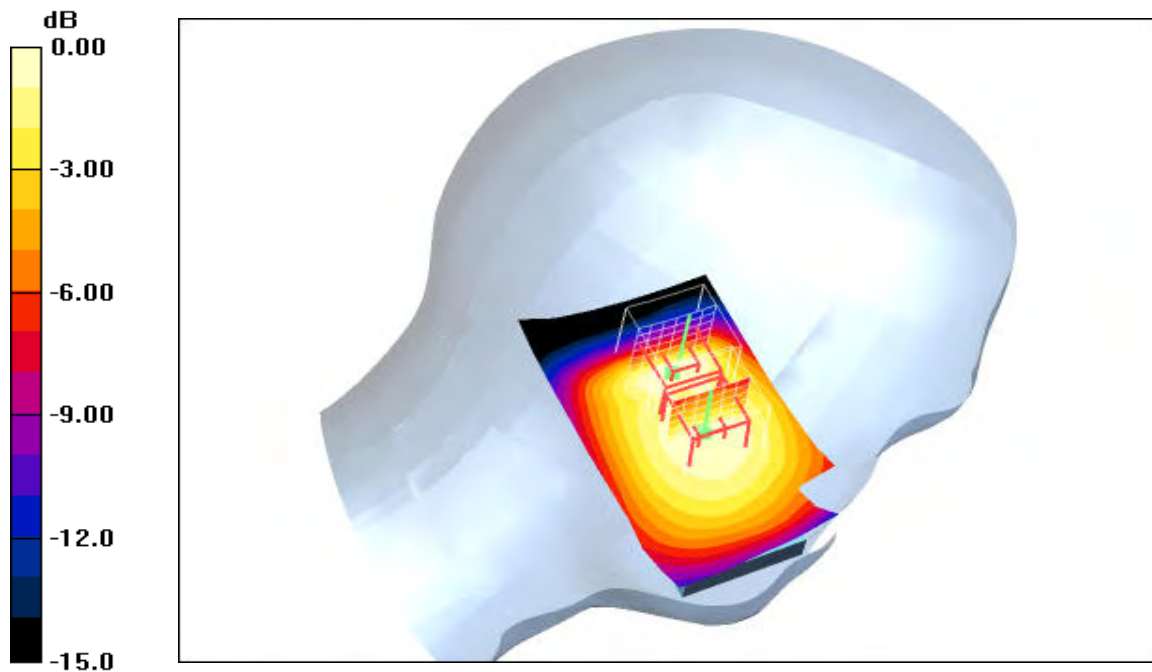
**Tilt position - Low/Zoom Scan (7x7x7) (7x7x7)/Cube 1:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 21.1 V/m; Power Drift = 0.013 dB

Peak SAR (extrapolated) = 0.419 W/kg

**SAR(1 g) = 0.342 mW/g; SAR(10 g) = 0.259 mW/g**

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



0 dB = 0.358mW/g

**Additional information:**

position or distance of DUT to SAM (if not standard head positions) :

ambient temperature: 22.7 °C; liquid temperature: 22.4 °C

Date/Time: 2008-11-02 15:37:32 Date/Time: 2008-11-02 15:44:26 Date/Time: 2008-11-02 15:56:14

**P1528\_OET65-LeftHandSide-GSM850**

**DUT: Sony Ericsson; Type: AAD-3880006-BV; Serial: CB5114ZER0**

Communication System: PCS 850; Frequency: 836.6 MHz; Duty Cycle: 1:8

Medium: HSL850 Medium parameters used:  $f = 836.6 \text{ MHz}$ ;  $\sigma = 0.87 \text{ mho/m}$ ;  $\epsilon_r = 41$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1558; ConvF(6.19, 6.19, 6.19); Calibrated: 2008-08-15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn413; Calibrated: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

**Tilt position - Middle/Area Scan (51x91x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 0.349 mW/g

**Tilt position - Middle/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 20.6 V/m; Power Drift = -0.058 dB

Peak SAR (extrapolated) = 0.408 W/kg

**SAR(1 g) = 0.336 mW/g; SAR(10 g) = 0.255 mW/g**

Maximum value of SAR (measured) = 0.350 mW/g

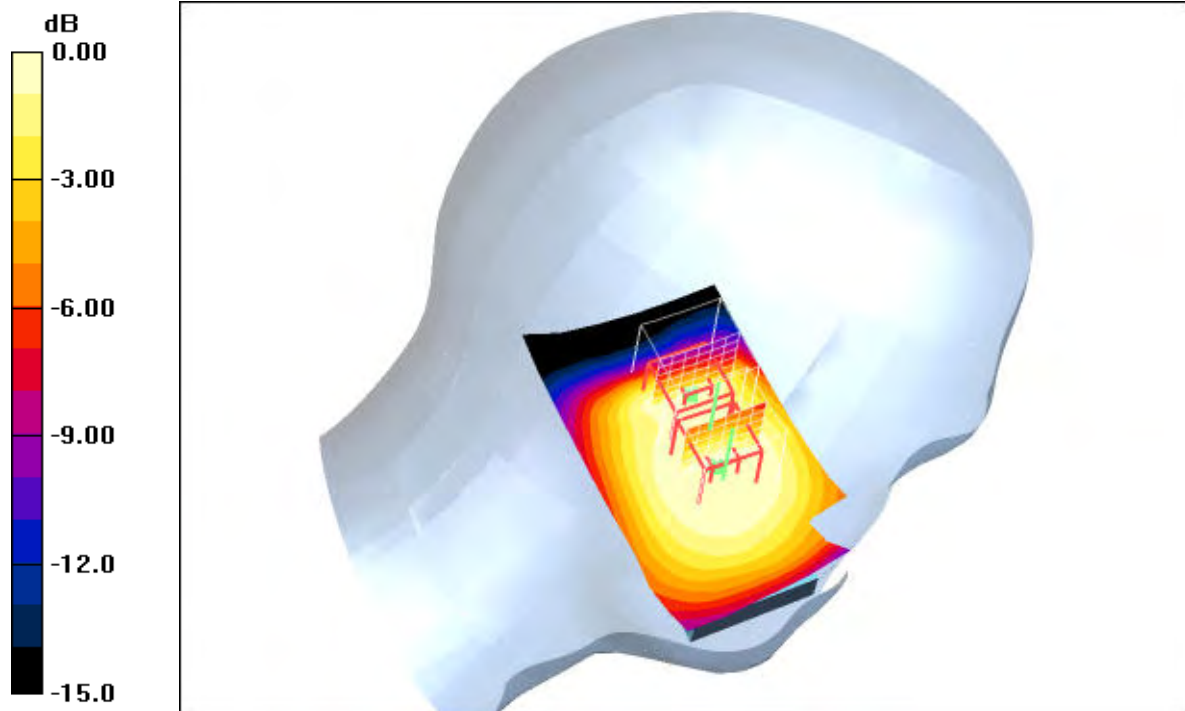
**Tilt position - Middle/Zoom Scan (7x7x7) (7x7x7)/Cube 1:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 20.6 V/m; Power Drift = -0.058 dB

Peak SAR (extrapolated) = 0.701 W/kg

**SAR(1 g) = 0.265 mW/g; SAR(10 g) = 0.179 mW/g**

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



0 dB = 0.294mW/g

**Additional information:**

position or distance of DUT to SAM (if not standard head positions) :

ambient temperature: 22.7 °C; liquid temperature: 22.4 °C

Date/Time: 2008-11-02 15:00:22 Date/Time: 2008-11-02 15:08:06 Date/Time: 2008-11-02 15:20:39

**P1528\_OET65-LeftHandSide-GSM850**

**DUT: Sony Ericsson; Type: AAD-3880006-BV; Serial: CB5114ZER0**

Communication System: PCS 850; Frequency: 848.8 MHz; Duty Cycle: 1:8

Medium: HSL850 Medium parameters used:  $f = 848.8 \text{ MHz}$ ;  $\sigma = 0.87 \text{ mho/m}$ ;  $\epsilon_r = 41$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1558; ConvF(6.19, 6.19, 6.19); Calibrated: 2008-08-15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn413; Calibrated: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

**Tilt position - High/Area Scan (51x91x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 0.410 mW/g

**Tilt position - High/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 22.3 V/m; Power Drift = -0.041 dB

Peak SAR (extrapolated) = 0.475 W/kg

**SAR(1 g) = 0.390 mW/g; SAR(10 g) = 0.295 mW/g**

Maximum value of SAR (measured) = 0.410 mW/g

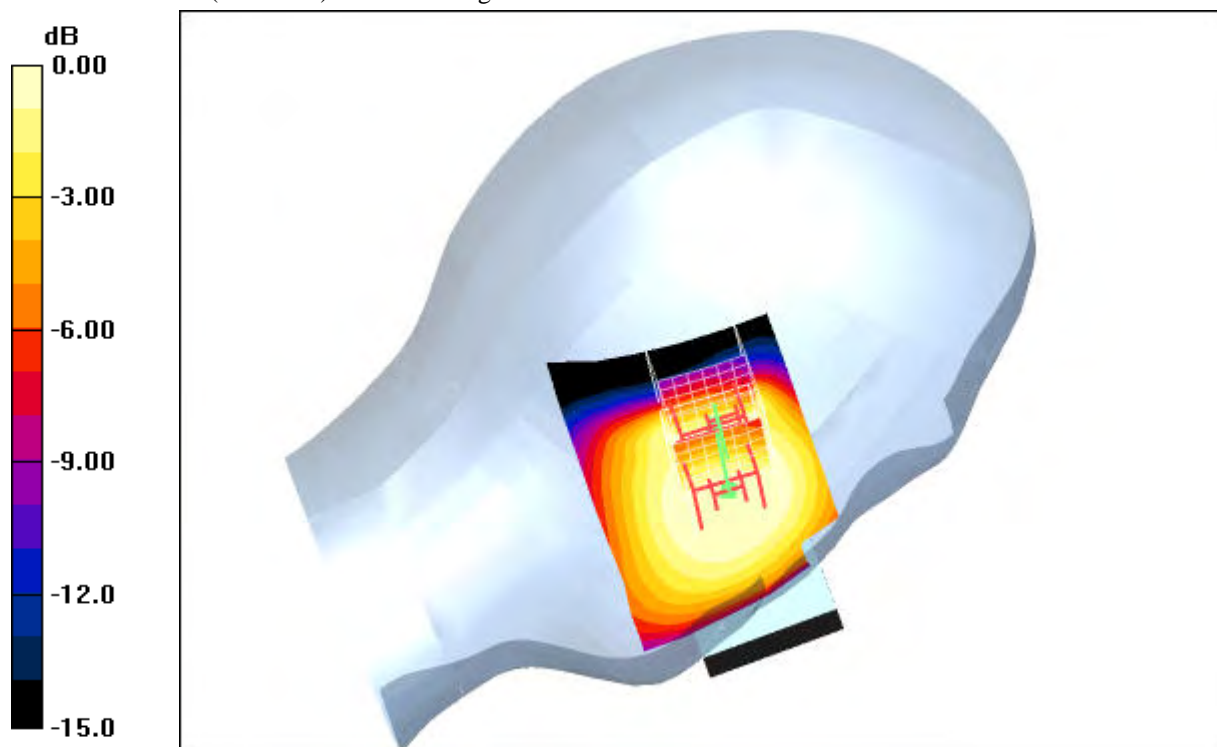
**Tilt position - High/Zoom Scan (7x7x7) (7x7x7)/Cube 1:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 22.3 V/m; Power Drift = -0.041 dB

Peak SAR (extrapolated) = 0.799 W/kg

**SAR(1 g) = 0.307 mW/g; SAR(10 g) = 0.209 mW/g**

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



0 dB = 0.342mW/g

**Additional information:**

position or distance of DUT to SAM (if not standard head positions) :

ambient temperature: 22.7 °C; liquid temperature: 22.4 °C

Date/Time: 2008-11-02 18:58:54 Date/Time: 2008-11-02 19:05:42

**P1528\_OET65-LeftHandSide-GSM850 open**

**DUT: Sony Ericsson; Type: AAD-3880006-BV; Serial: CB5114ZER0**

Communication System: PCS 850; Frequency: 824.2 MHz; Duty Cycle: 1:8

Medium: HSL850 Medium parameters used:  $f = 824.2 \text{ MHz}$ ;  $\sigma = 0.87 \text{ mho/m}$ ;  $\epsilon_r = 41$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1558; ConvF(6.19, 6.19, 6.19); Calibrated: 2008-08-15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn413; Calibrated: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

**Touch position - Low/Area Scan (51x91x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 0.456 mW/g

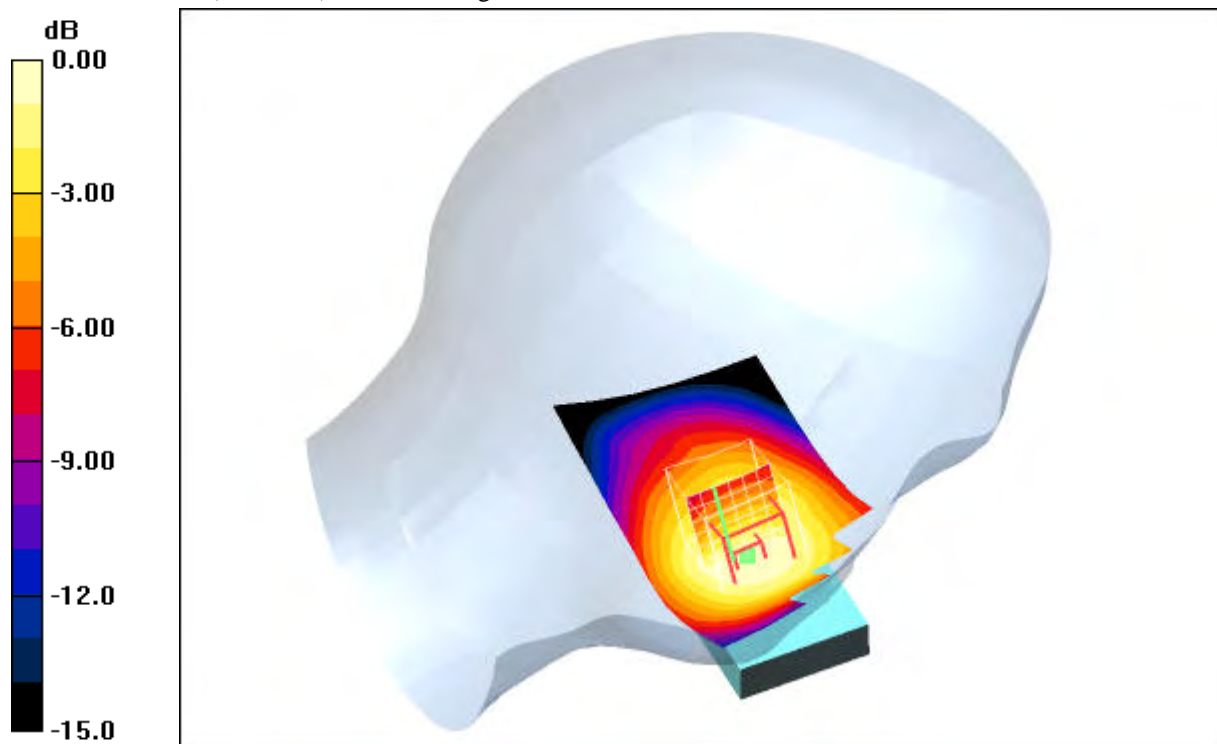
**Touch position - Low/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 23.3 V/m; Power Drift = -0.140 dB

Peak SAR (extrapolated) = 0.589 W/kg

SAR(1 g) = 0.425 mW/g; SAR(10 g) = 0.309 mW/g

Maximum value of SAR (measured) = 0.444 mW/g



0 dB = 0.444mW/g

**Additional information:**

position or distance of DUT to SAM (if not standard head positions) :

ambient temperature: 22.8 °C; liquid temperature: 21.9 °C

Date/Time: 2008-11-02 18:36:23 Date/Time: 2008-11-02 18:43:11

**P1528\_OET65-LeftHandSide-GSM850 open**

**DUT: Sony Ericsson; Type: AAD-3880006-BV; Serial: CB5114ZER0**

Communication System: PCS 850; Frequency: 836.6 MHz; Duty Cycle: 1:8

Medium: HSL850 Medium parameters used:  $f = 836.6 \text{ MHz}$ ;  $\sigma = 0.87 \text{ mho/m}$ ;  $\epsilon_r = 41$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1558; ConvF(6.19, 6.19, 6.19); Calibrated: 2008-08-15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn413; Calibrated: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

**Touch position - Middle/Area Scan (51x91x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 0.612 mW/g

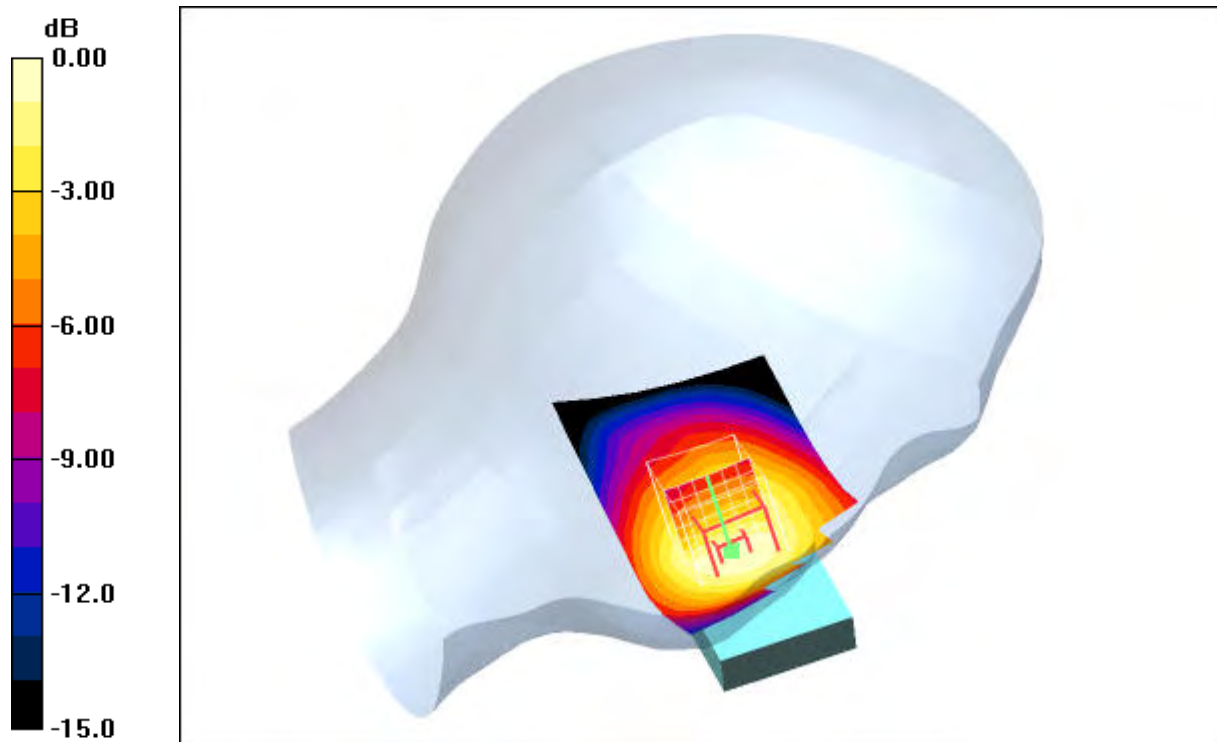
**Touch position - Middle/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 27.0 V/m; Power Drift = -0.071 dB

Peak SAR (extrapolated) = 0.800 W/kg

SAR(1 g) = 0.571 mW/g; SAR(10 g) = 0.411 mW/g

Maximum value of SAR (measured) = 0.604 mW/g



0 dB = 0.604mW/g

**Additional information:**

position or distance of DUT to SAM (if not standard head positions) :

ambient temperature: 22.8 °C; liquid temperature: 21.9 °C



Date/Time: 2008-11-02 18:14:17 Date/Time: 2008-11-02 18:21:05

**P1528\_OET65-LeftHandSide-GSM850 open**

**DUT: Sony Ericsson; Type: AAD-3880006-BV; Serial: CB5114ZER0**

Communication System: PCS 850; Frequency: 848.8 MHz; Duty Cycle: 1:8

Medium: HSL850 Medium parameters used:  $f = 848.8 \text{ MHz}$ ;  $\sigma = 0.87 \text{ mho/m}$ ;  $\epsilon_r = 41$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1558; ConvF(6.19, 6.19, 6.19); Calibrated: 2008-08-15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn413; Calibrated: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

**Touch position - High/Area Scan (51x91x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 0.788 mW/g

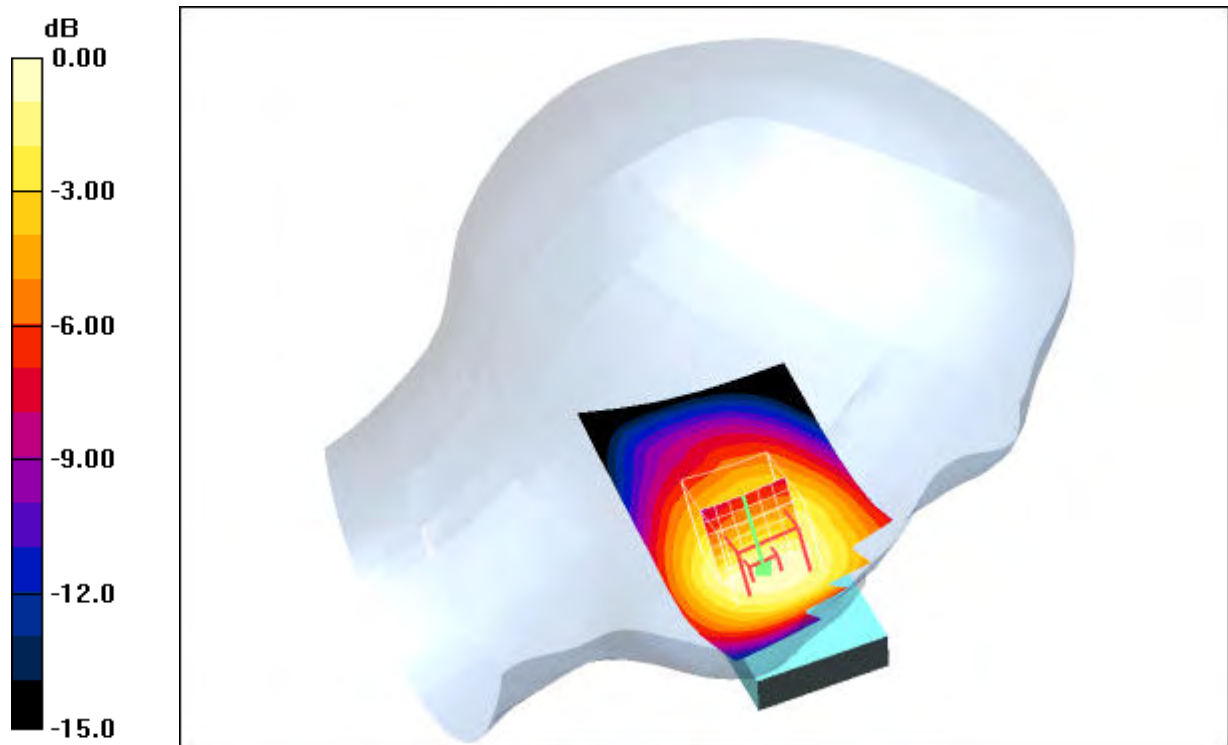
**Touch position - High/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 29.5 V/m; Power Drift = -0.082 dB

Peak SAR (extrapolated) = 1.04 W/kg

**SAR(1 g) = 0.738 mW/g; SAR(10 g) = 0.527 mW/g**

Maximum value of SAR (measured) = 0.783 mW/g



0 dB = 0.783mW/g

**Additional information:**

position or distance of DUT to SAM (if not standard head positions) :

ambient temperature: 22.8 °C; liquid temperature: 21.9 °C

Date/Time: 2008-11-02 16:57:58 Date/Time: 2008-11-02 17:04:40

**P1528\_OET65-LeftHandSide-GSM850 open**

**DUT: Sony Ericsson; Type: AAD-3880006-BV; Serial: CB5114ZER0**

Communication System: PCS 850; Frequency: 824.2 MHz; Duty Cycle: 1:8

Medium: HSL850 Medium parameters used:  $f = 824.2 \text{ MHz}$ ;  $\sigma = 0.87 \text{ mho/m}$ ;  $\epsilon_r = 41$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1558; ConvF(6.19, 6.19, 6.19); Calibrated: 2008-08-15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn413; Calibrated: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

**Tilt position - Low/Area Scan (51x91x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 0.308 mW/g

**Tilt position - Low/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,

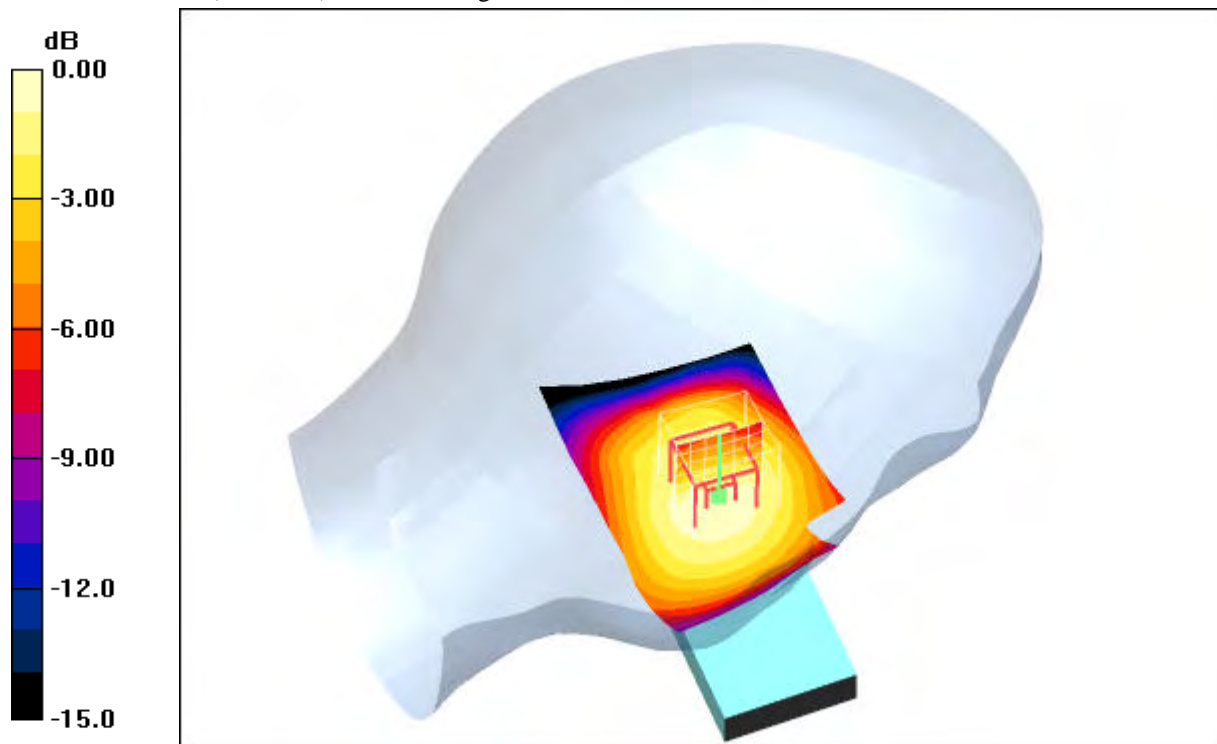
$dz=5\text{mm}$

Reference Value = 19.2 V/m; Power Drift = -0.032 dB

Peak SAR (extrapolated) = 0.357 W/kg

**SAR(1 g) = 0.294 mW/g; SAR(10 g) = 0.222 mW/g**

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



0 dB = 0.306mW/g

**Additional information:**

position or distance of DUT to SAM (if not standard head positions) :

ambient temperature: 22.8 °C; liquid temperature: 21.9 °C

Date/Time: 2008-11-02 17:18:41 Date/Time: 2008-11-02 17:25:11

**P1528\_OET65-LeftHandSide-GSM850 open**

**DUT: Sony Ericsson; Type: AAD-3880006-BV; Serial: CB5114ZER0**

Communication System: PCS 850; Frequency: 836.6 MHz; Duty Cycle: 1:8

Medium: HSL850 Medium parameters used:  $f = 836.6 \text{ MHz}$ ;  $\sigma = 0.87 \text{ mho/m}$ ;  $\epsilon_r = 41$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1558; ConvF(6.19, 6.19, 6.19); Calibrated: 2008-08-15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn413; Calibrated: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

**Tilt position - Middle/Area Scan (51x91x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 0.346 mW/g

**Tilt position - Middle/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,

$dz=5\text{mm}$

Reference Value = 20.4 V/m; Power Drift = -0.102 dB

Peak SAR (extrapolated) = 0.402 W/kg

**SAR(1 g) = 0.327 mW/g; SAR(10 g) = 0.246 mW/g**

Maximum value of SAR (measured) = 0.340 mW/g



0 dB = 0.340mW/g

**Additional information:**

position or distance of DUT to SAM (if not standard head positions) :

ambient temperature: 22.8 °C; liquid temperature: 21.9 °C

Date/Time: 2008-11-02 17:39:55 Date/Time: 2008-11-02 17:46:30 Date/Time: 2008-11-02 17:59:27

**P1528\_OET65-LeftHandSide-GSM850 open**

**DUT: Sony Ericsson; Type: AAD-3880006-BV; Serial: CB5114ZER0**

Communication System: PCS 850; Frequency: 848.8 MHz; Duty Cycle: 1:8

Medium: HSL850 Medium parameters used:  $f = 848.8 \text{ MHz}$ ;  $\sigma = 0.87 \text{ mho/m}$ ;  $\epsilon_r = 41$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1558; ConvF(6.19, 6.19, 6.19); Calibrated: 2008-08-15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn413; Calibrated: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

**Tilt position - High/Area Scan (51x91x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

**Tilt position - High/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 23.6 V/m; Power Drift = -0.175 dB

Peak SAR (extrapolated) = 0.539 W/kg

**SAR(1 g) = 0.440 mW/g; SAR(10 g) = 0.330 mW/g**

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

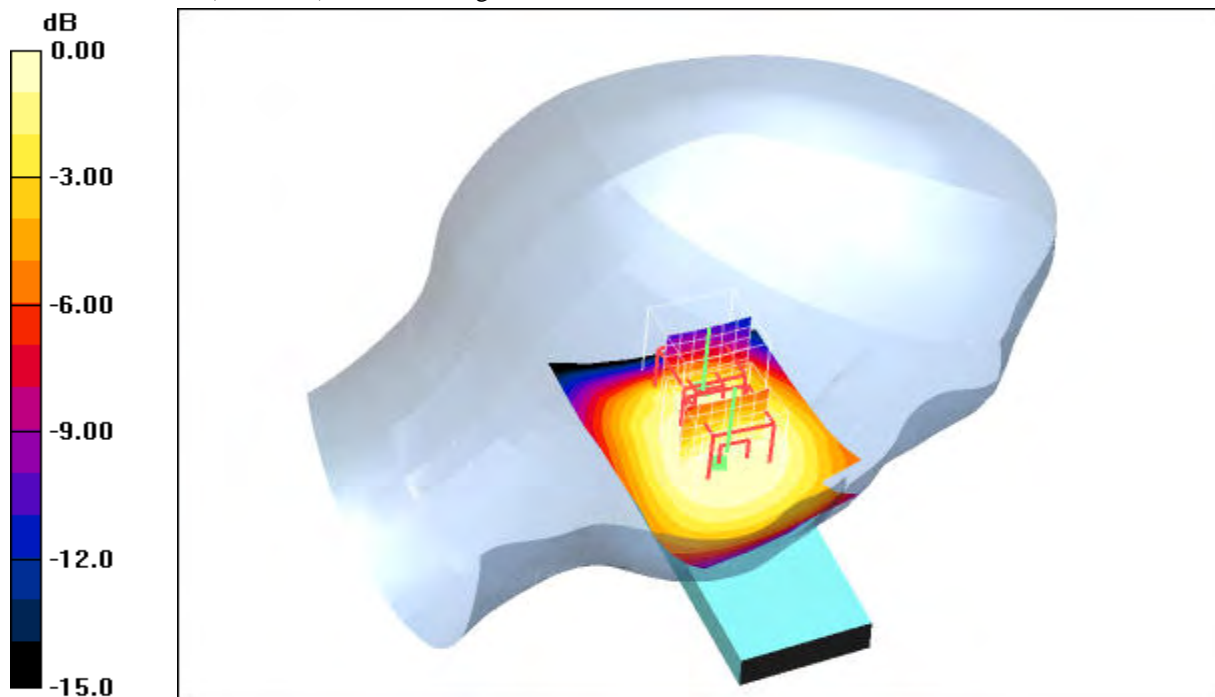
**Tilt position - High/Zoom Scan (7x7x7) (7x7x7)/Cube 1:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 23.6 V/m; Power Drift = -0.175 dB

Peak SAR (extrapolated) = 0.843 W/kg

**SAR(1 g) = 0.338 mW/g; SAR(10 g) = 0.216 mW/g**

Maximum value of SAR (measured) = 0.369 mW/g



0 dB = 0.369mW/g

**Additional information:**

position or distance of DUT to SAM (if not standard head positions) :

ambient temperature: 22.8 °C; liquid temperature: 21.9 °C

Date/Time: 2008-11-03 00:50:33 Date/Time: 2008-11-03 00:56:06

**P1528\_OET65-RightHandSide-GSM850**

**DUT: Sony Ericsson; Type: AAD-3880006-BV; Serial: CB5114ZER0**

Communication System: PCS 850; Frequency: 824.2 MHz; Duty Cycle: 1:8

Medium: HSL850 Medium parameters used:  $f = 824.2 \text{ MHz}$ ;  $\sigma = 0.87 \text{ mho/m}$ ;  $\epsilon_r = 41$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1558; ConvF(6.19, 6.19, 6.19); Calibrated: 2008-08-15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn413; Calibrated: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

**Touch position - Low/Area Scan (51x71x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

**Touch position - Low/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,

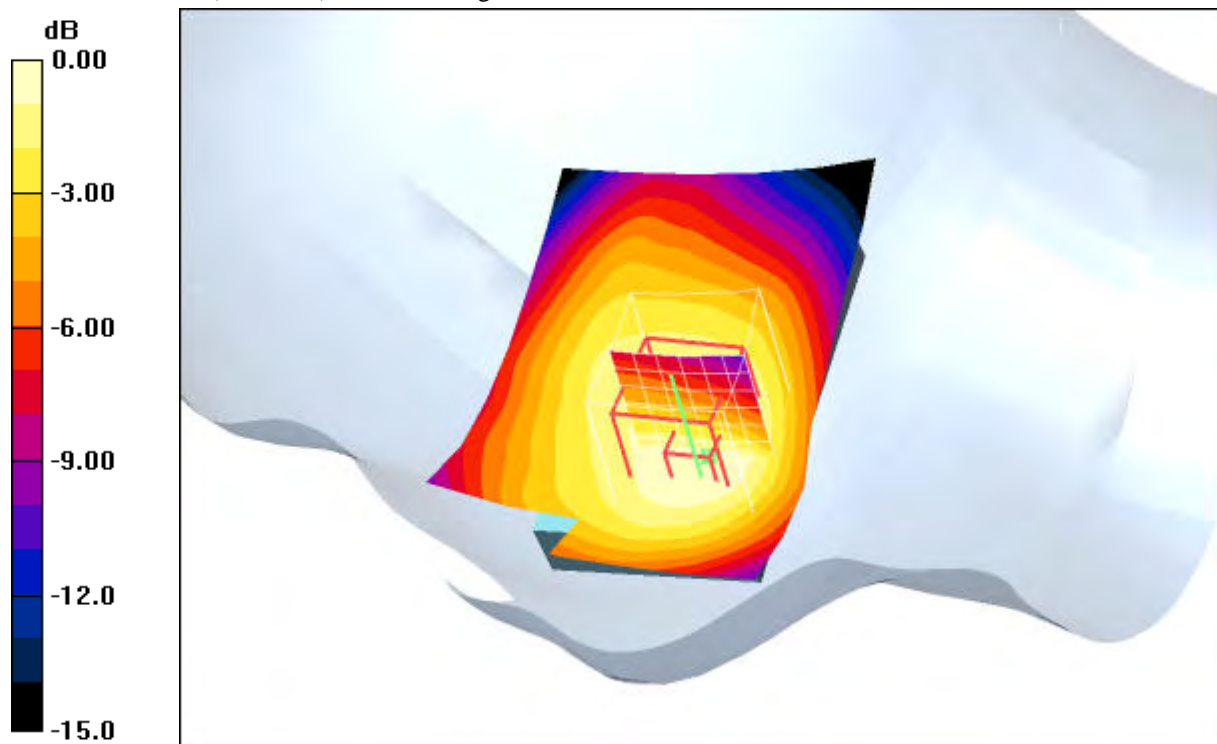
$dz=5\text{mm}$

Reference Value = 24.7 V/m; Power Drift = -0.047 dB

Peak SAR (extrapolated) = 0.790 W/kg

**SAR(1 g) = 0.495 mW/g; SAR(10 g) = 0.342 mW/g**

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



0 dB = 0.522mW/g

**Additional information:**

position or distance of DUT to SAM (if not standard head positions) :

ambient temperature: 22.7°C; liquid temperature: 21.8°C

Date/Time: 2008-11-03 01:15:12 Date/Time: 2008-11-03 01:20:50

**P1528\_OET65-RightHandSide-GSM850**

**DUT: Sony Ericsson; Type: AAD-3880006-BV; Serial: CB5114ZER0**

Communication System: PCS 850; Frequency: 836.6 MHz; Duty Cycle: 1:8

Medium: HSL850 Medium parameters used:  $f = 836.6 \text{ MHz}$ ;  $\sigma = 0.87 \text{ mho/m}$ ;  $\epsilon_r = 41$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1558; ConvF(6.19, 6.19, 6.19); Calibrated: 2008-08-15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn413; Calibrated: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

**Touch position - Middle/Area Scan (51x71x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 0.679 mW/g

**Touch position - Middle/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

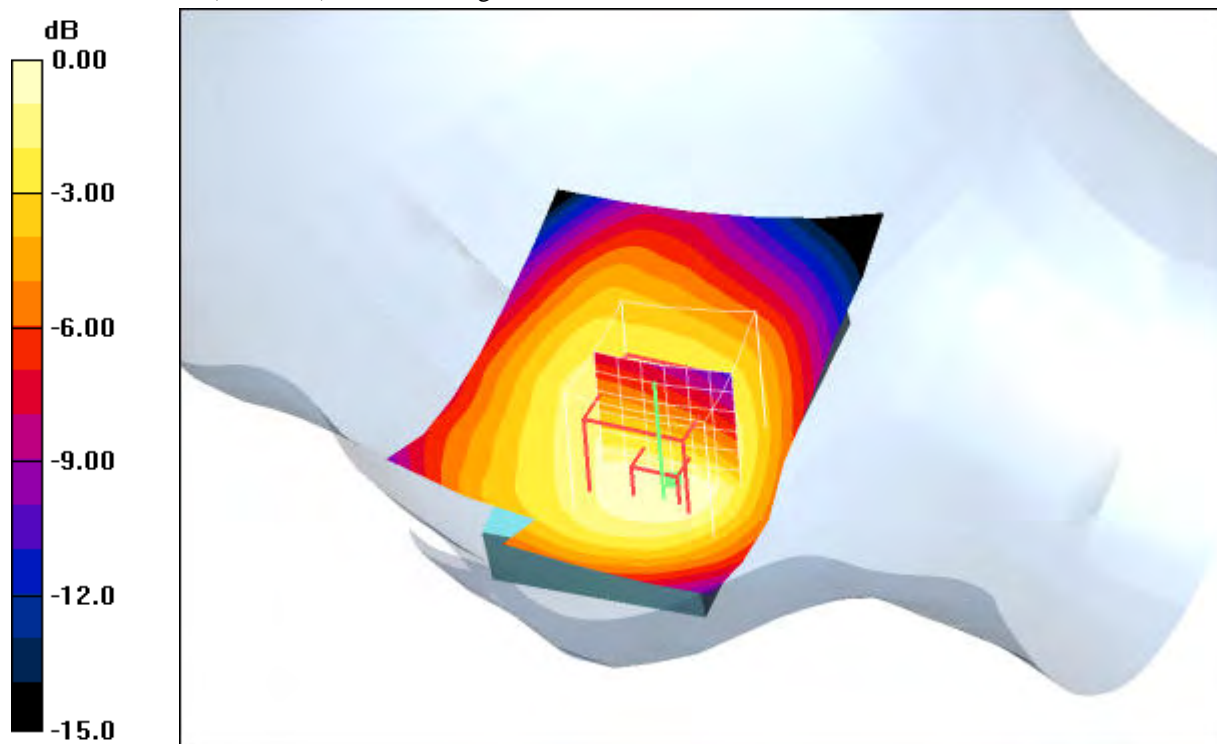
$dz=5\text{mm}$

Reference Value = 27.9 V/m; Power Drift = -0.037 dB

Peak SAR (extrapolated) = 0.995 W/kg

**SAR(1 g) = 0.630 mW/g; SAR(10 g) = 0.435 mW/g**

Maximum value of SAR (measured) = 0.665 mW/g



0 dB = 0.665mW/g

**Additional information:**

position or distance of DUT to SAM (if not standard head positions) :

ambient temperature: 22.7°C; liquid temperature: 21.8°C

Date/Time: 2008-11-03 01:36:49 Date/Time: 2008-11-03 01:42:23

**P1528\_OET65-RightHandSide-GSM850**

**DUT: Sony Ericsson; Type: AAD-3880006-BV; Serial: CB5114ZER0**

Communication System: PCS 850; Frequency: 848.8 MHz; Duty Cycle: 1:8

Medium: HSL850 Medium parameters used:  $f = 848.8 \text{ MHz}$ ;  $\sigma = 0.87 \text{ mho/m}$ ;  $\epsilon_r = 41$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1558; ConvF(6.19, 6.19, 6.19); Calibrated: 2008-08-15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn413; Calibrated: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

**Touch position - High/Area Scan (51x71x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 0.769 mW/g

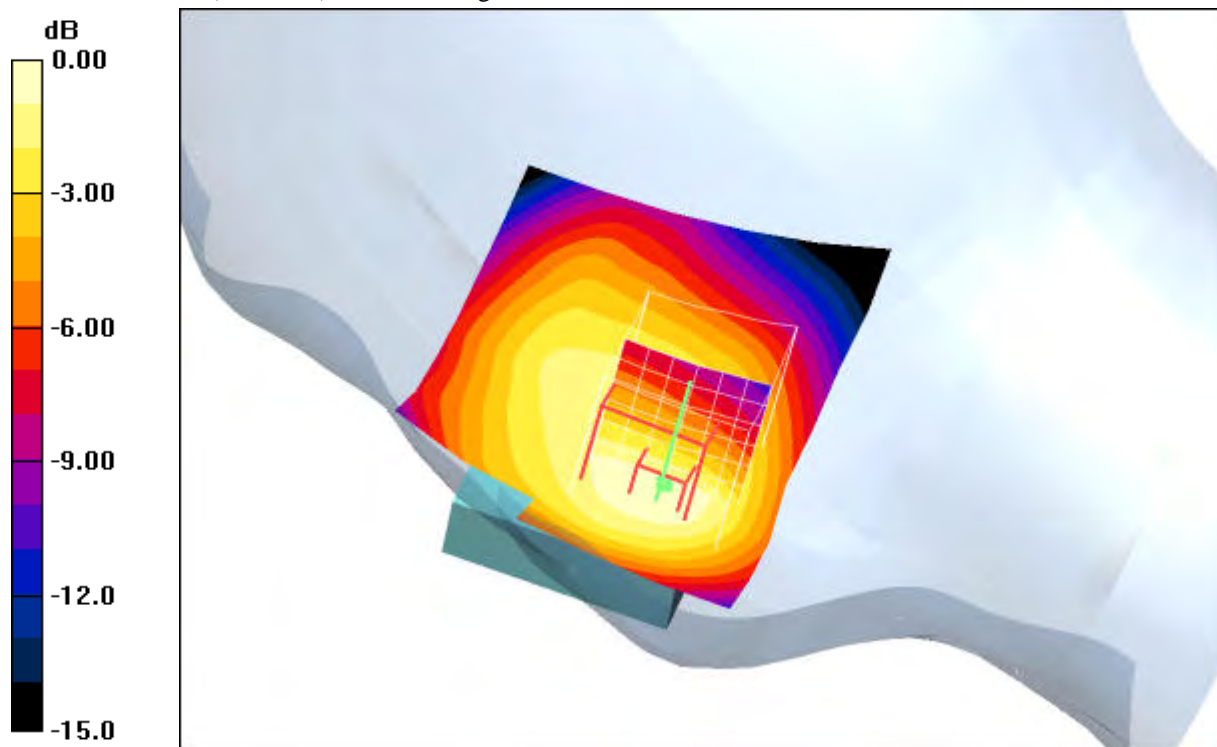
**Touch position - High/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 29.5 V/m; Power Drift = -0.019 dB

Peak SAR (extrapolated) = 1.16 W/kg

**SAR(1 g) = 0.723 mW/g; SAR(10 g) = 0.495 mW/g**

Maximum value of SAR (measured) = 0.772 mW/g



0 dB = 0.772mW/g

**Additional information:**

position or distance of DUT to SAM (if not standard head positions) :

ambient temperature: 22.7°C; liquid temperature: 21.8°C

Date/Time: 2008-11-02 22:12:27 Date/Time: 2008-11-02 22:19:14 Date/Time: 2008-11-02 22:31:53

**P1528\_OET65-RightHandSide-GSM850**

**DUT: Sony Ericsson; Type: AAD-3880006-BV; Serial: CB5114ZER0**

Communication System: PCS 850; Frequency: 824.2 MHz; Duty Cycle: 1:8

Medium: HSL850 Medium parameters used:  $f = 824.2 \text{ MHz}$ ;  $\sigma = 0.87 \text{ mho/m}$ ;  $\epsilon_r = 41$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1558; ConvF(6.19, 6.19, 6.19); Calibrated: 2008-08-15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn413; Calibrated: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

**Tilt position - Low/Area Scan (51x81x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 0.369 mW/g

**Tilt position - Low/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 21.2 V/m; Power Drift = 0.021 dB

Peak SAR (extrapolated) = 0.439 W/kg

**SAR(1 g) = 0.355 mW/g; SAR(10 g) = 0.268 mW/g**

Maximum value of SAR (measured) = 0.371 mW/g

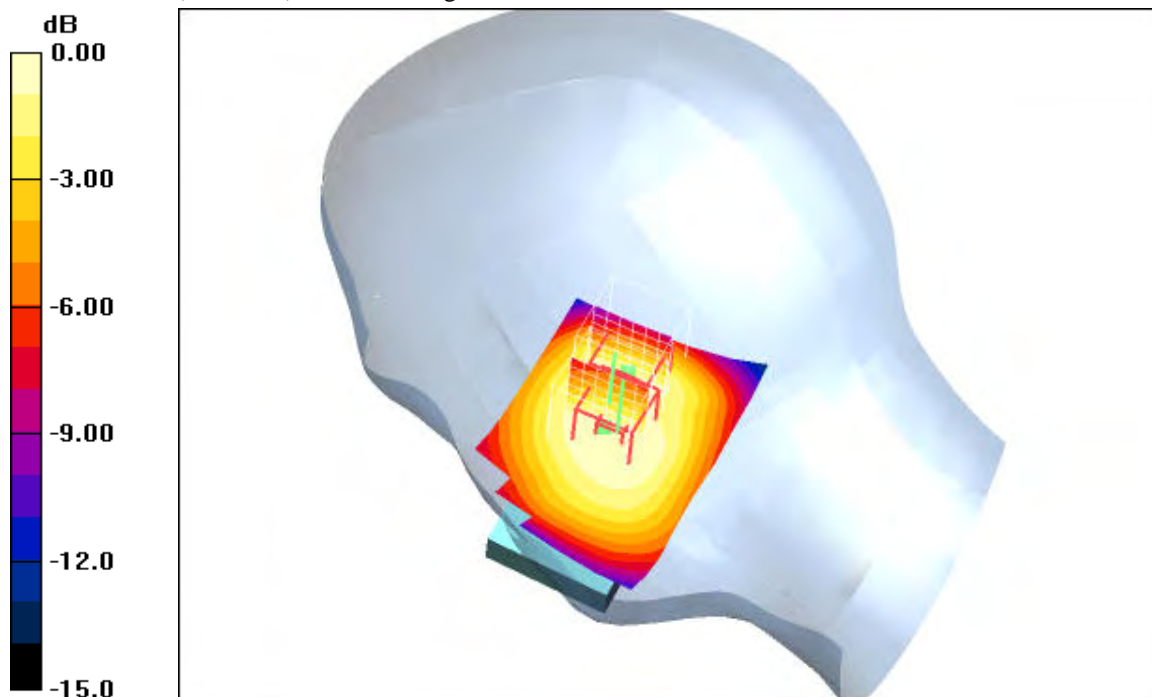
**Tilt position - Low/Zoom Scan (7x7x7) (7x7x7)/Cube 1:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 21.2 V/m; Power Drift = 0.021 dB

Peak SAR (extrapolated) = 0.743 W/kg

**SAR(1 g) = 0.309 mW/g; SAR(10 g) = 0.220 mW/g**

Maximum value of SAR (measured) = 0.347 mW/g



0 dB = 0.347mW/g

**Additional information:**

position or distance of DUT to SAM (if not standard head positions) :

ambient temperature: 22.7 °C; liquid temperature: 21.8 °C



Date/Time: 2008-11-02 22:46:02 Date/Time: 2008-11-02 22:52:02 Date/Time: 2008-11-02 23:03:52

**P1528\_OET65-RightHandSide-GSM850**

**DUT: Sony Ericsson; Type: AAD-3880006-BV; Serial: CB5114ZER0**

Communication System: PCS 850; Frequency: 836.6 MHz; Duty Cycle: 1:8

Medium: HSL850 Medium parameters used:  $f = 836.6 \text{ MHz}$ ;  $\sigma = 0.87 \text{ mho/m}$ ;  $\epsilon_r = 41$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1558; ConvF(6.19, 6.19, 6.19); Calibrated: 2008-08-15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn413; Calibrated: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

**Tilt position - Middle/Area Scan (51x81x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 0.478 mW/g

**Tilt position - Middle/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 24.0 V/m; Power Drift = -0.142 dB

Peak SAR (extrapolated) = 0.890 W/kg

**SAR(1 g) = 0.403 mW/g; SAR(10 g) = 0.284 mW/g**

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

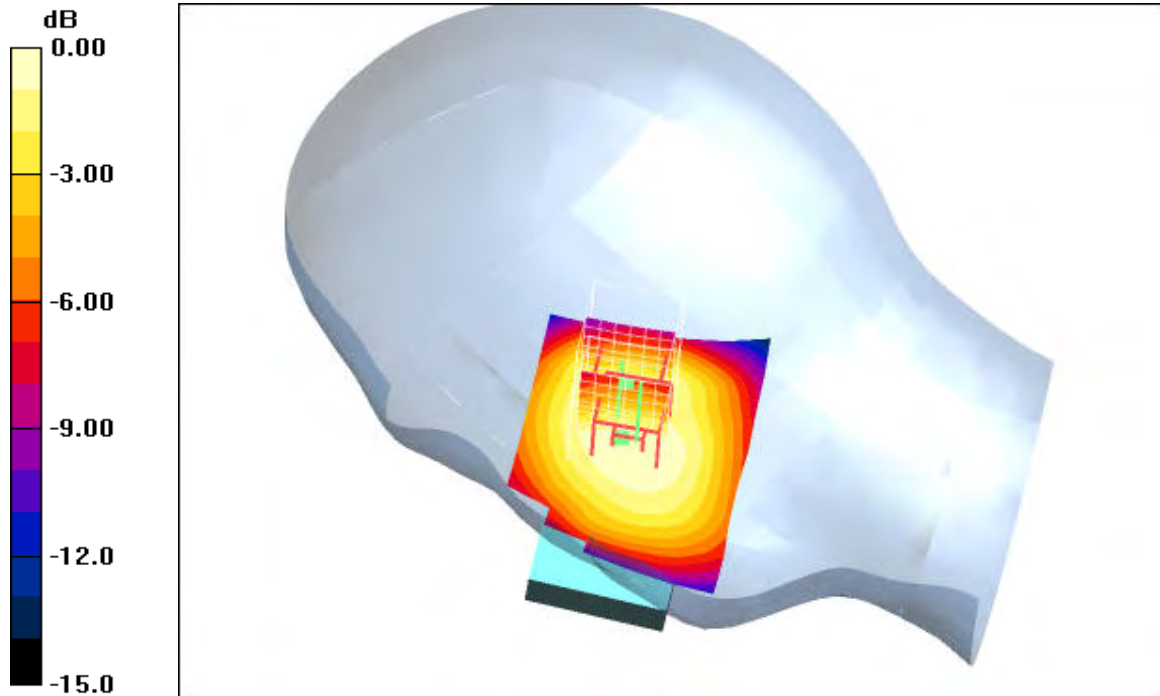
**Tilt position - Middle/Zoom Scan (7x7x7) (7x7x7)/Cube 1:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 24.0 V/m; Power Drift = -0.142 dB

Peak SAR (extrapolated) = 0.541 W/kg

**SAR(1 g) = 0.440 mW/g; SAR(10 g) = 0.331 mW/g**

Maximum value of SAR (measured) = 0.464 mW/g



0 dB = 0.464mW/g

**Additional information:**

position or distance of DUT to SAM (if not standard head positions) :

ambient temperature: 22.7 °C; liquid temperature: 21.8 °C

Date/Time: 2008-11-02 23:17:31 Date/Time: 2008-11-02 23:23:35 Date/Time: 2008-11-02 23:35:26

**P1528\_OET65-RightHandSide-GSM850**

**DUT: Sony Ericsson; Type: AAD-3880006-BV; Serial: CB5114ZER0**

Communication System: PCS 850; Frequency: 848.8 MHz; Duty Cycle: 1:8

Medium: HSL850 Medium parameters used:  $f = 848.8 \text{ MHz}$ ;  $\sigma = 0.87 \text{ mho/m}$ ;  $\epsilon_r = 41$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1558; ConvF(6.19, 6.19, 6.19); Calibrated: 2008-08-15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn413; Calibrated: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

**Tilt position - High/Area Scan (51x81x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

**Tilt position - High/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 25.0 V/m; Power Drift = -0.064 dB

Peak SAR (extrapolated) = 0.956 W/kg

**SAR(1 g) = 0.436 mW/g; SAR(10 g) = 0.307 mW/g**

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

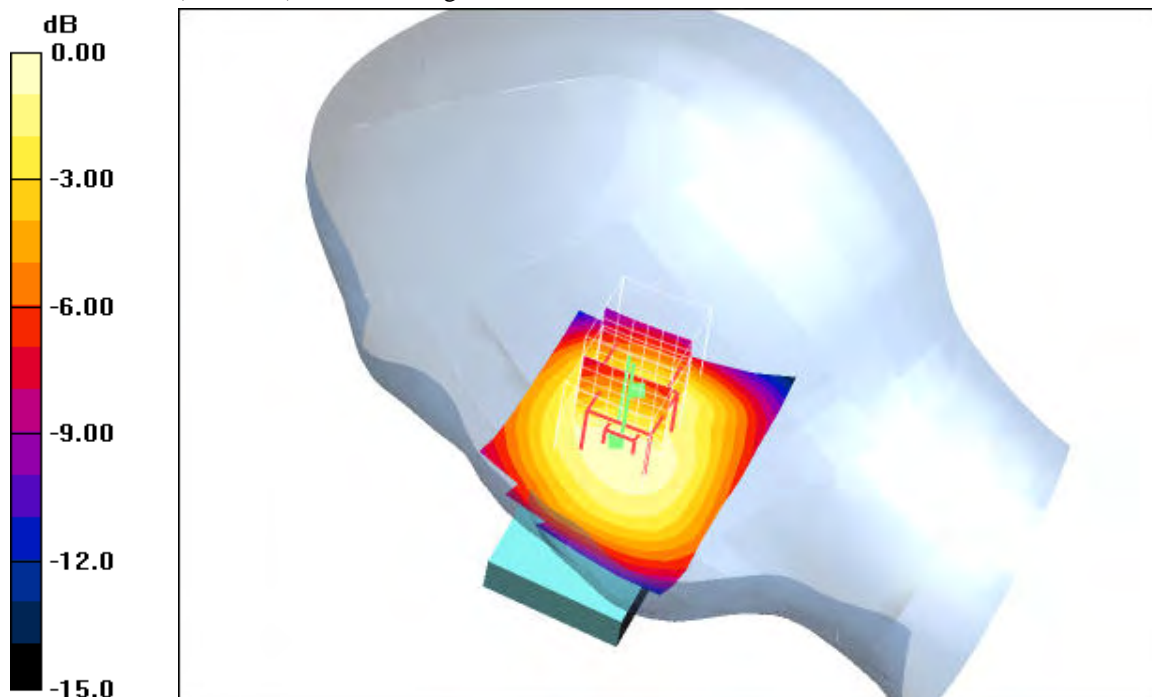
**Tilt position - High/Zoom Scan (7x7x7) (7x7x7)/Cube 1:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 25.0 V/m; Power Drift = -0.064 dB

Peak SAR (extrapolated) = 0.589 W/kg

**SAR(1 g) = 0.480 mW/g; SAR(10 g) = 0.360 mW/g**

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



**Additional information:**

position or distance of DUT to SAM (if not standard head positions) :

ambient temperature: 22.7 °C; liquid temperature: 21.8 °C

Date/Time: 2008-11-02 19:24:30 Date/Time: 2008-11-02 19:32:26

**P1528\_OET65-RightHandSide-GSM850 open**

**DUT: Sony Ericsson; Type: AAD-3880006-BV; Serial: CB5114ZER0**

Communication System: PCS 850; Frequency: 824.2 MHz; Duty Cycle: 1:8

Medium: HSL850 Medium parameters used:  $f = 824.2 \text{ MHz}$ ;  $\sigma = 0.87 \text{ mho/m}$ ;  $\epsilon_r = 41$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1558; ConvF(6.19, 6.19, 6.19); Calibrated: 2008-08-15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn413; Calibrated: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

**Touch position - Low/Area Scan (51x91x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 0.460 mW/g

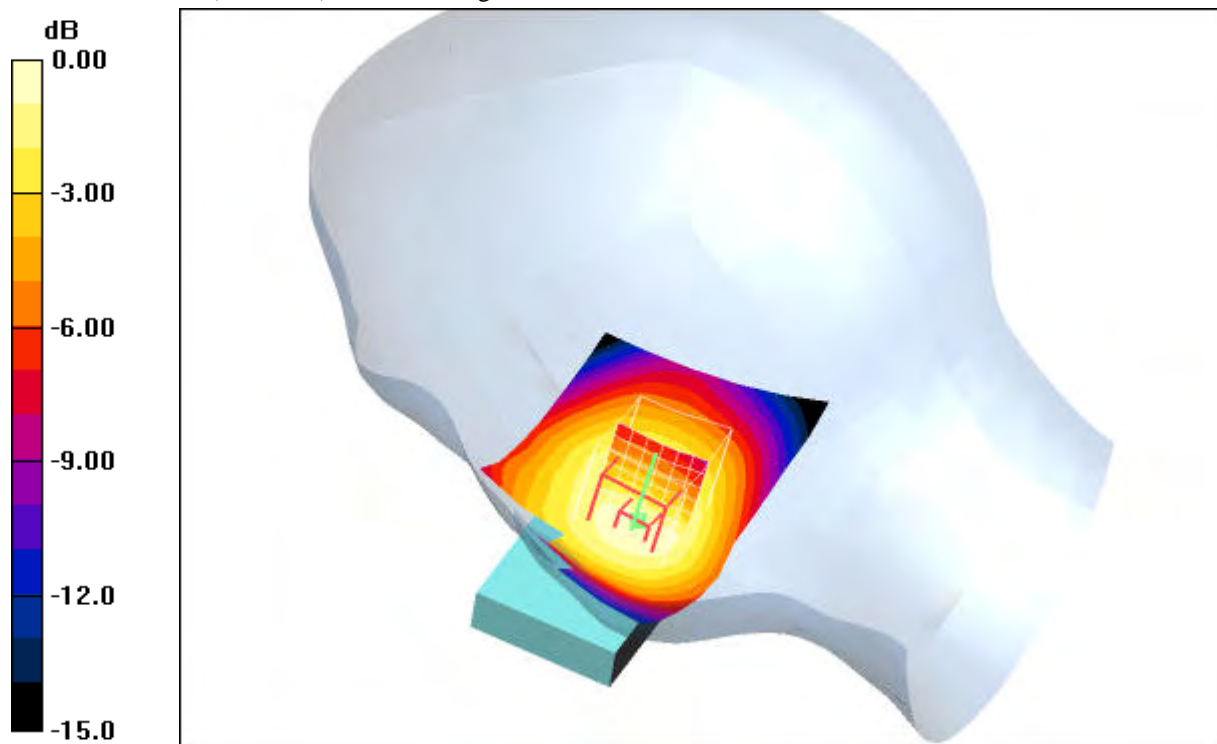
**Touch position - Low/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 23.5 V/m; Power Drift = -0.051 dB

Peak SAR (extrapolated) = 0.622 W/kg

**SAR(1 g) = 0.444 mW/g; SAR(10 g) = 0.315 mW/g**

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



0 dB = 0.471 mW/g

**Additional information:**

position or distance of DUT to SAM (if not standard head positions) :

ambient temperature: 22.7 °C; liquid temperature: 21.8 °C

Date/Time: 2008-11-02 19:47:40 Date/Time: 2008-11-02 19:53:52

**P1528\_OET65-RightHandSide-GSM850 open**

**DUT: Sony Ericsson; Type: AAD-3880006-BV; Serial: CB5114ZER0**

Communication System: PCS 850; Frequency: 836.6 MHz; Duty Cycle: 1:8

Medium: HSL850 Medium parameters used:  $f = 836.6 \text{ MHz}$ ;  $\sigma = 0.87 \text{ mho/m}$ ;  $\epsilon_r = 41$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1558; ConvF(6.19, 6.19, 6.19); Calibrated: 2008-08-15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn413; Calibrated: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

**Touch position - Middle/Area Scan (51x91x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

**Touch position - Middle/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

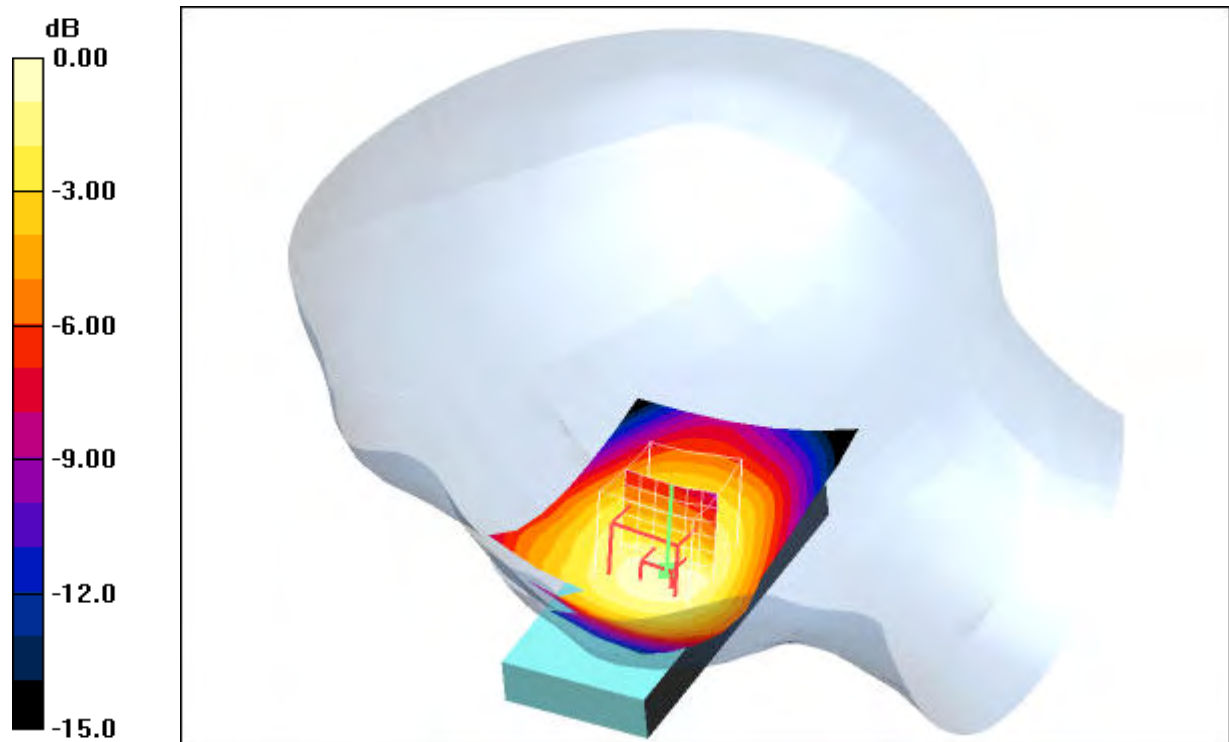
$dz=5\text{mm}$

Reference Value = 26.9 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 0.811 W/kg

**SAR(1 g) = 0.588 mW/g; SAR(10 g) = 0.418 mW/g**

Maximum value of SAR (measured) = 0.622 mW/g



0 dB = 0.622mW/g

**Additional information:**

position or distance of DUT to SAM (if not standard head positions) :

ambient temperature: 22.7 °C; liquid temperature: 21.8 °C

Date/Time: 2008-11-02 20:09:05 Date/Time: 2008-11-02 20:15:25

**P1528\_OET65-RightHandSide-GSM850 open**

**DUT: Sony Ericsson; Type: AAD-3880006-BV; Serial: CB5114ZER0**

Communication System: PCS 850; Frequency: 848.8 MHz; Duty Cycle: 1:8

Medium: HSL850 Medium parameters used:  $f = 848.8 \text{ MHz}$ ;  $\sigma = 0.87 \text{ mho/m}$ ;  $\epsilon_r = 41$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1558; ConvF(6.19, 6.19, 6.19); Calibrated: 2008-08-15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn413; Calibrated: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

**Touch position - High/Area Scan (51x91x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

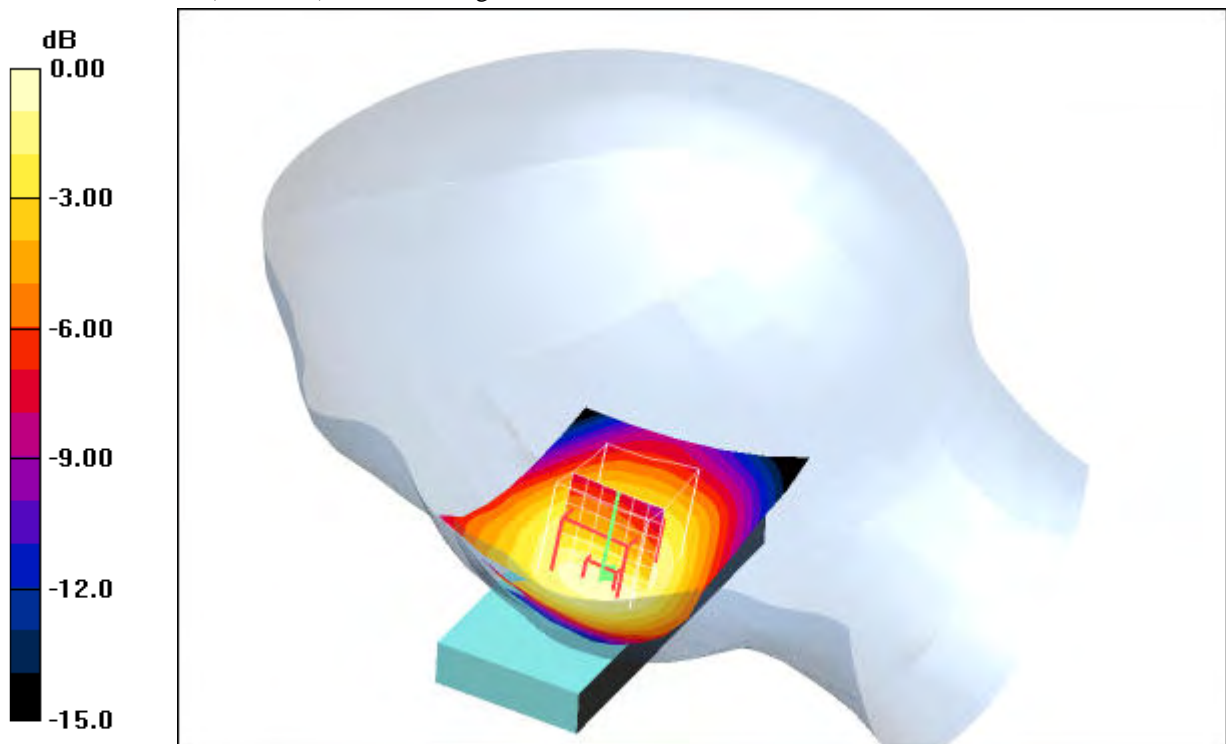
**Touch position - High/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 29.2 V/m; Power Drift = -0.030 dB

Peak SAR (extrapolated) = 0.985 W/kg

**SAR(1 g) = 0.695 mW/g; SAR(10 g) = 0.490 mW/g**

Maximum value of SAR (measured) = 0.739 mW/g



0 dB = 0.739mW/g

**Additional information:**

position or distance of DUT to SAM (if not standard head positions) :

ambient temperature: 22.7 °C; liquid temperature: 21.8 °C

Date/Time: 2008-11-02 20:31:26 Date/Time: 2008-11-02 20:37:49 Date/Time: 2008-11-02 20:49:39

**P1528\_OET65-RightHandSide-GSM850 open**

**DUT: Sony Ericsson; Type: AAD-3880006-BV; Serial: CB5114ZER0**

Communication System: PCS 850; Frequency: 824.2 MHz; Duty Cycle: 1:8

Medium: HSL850 Medium parameters used:  $f = 824.2 \text{ MHz}$ ;  $\sigma = 0.87 \text{ mho/m}$ ;  $\epsilon_r = 41$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1558; ConvF(6.19, 6.19, 6.19); Calibrated: 2008-08-15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn413; Calibrated: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

**Tilt position - Low/Area Scan (51x91x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

**Tilt position - Low/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 19.9 V/m; Power Drift = -0.161 dB

Peak SAR (extrapolated) = 0.693 W/kg

**SAR(1 g) = 0.258 mW/g; SAR(10 g) = 0.181 mW/g**

Maximum value of SAR (measured) = 0.292 mW/g

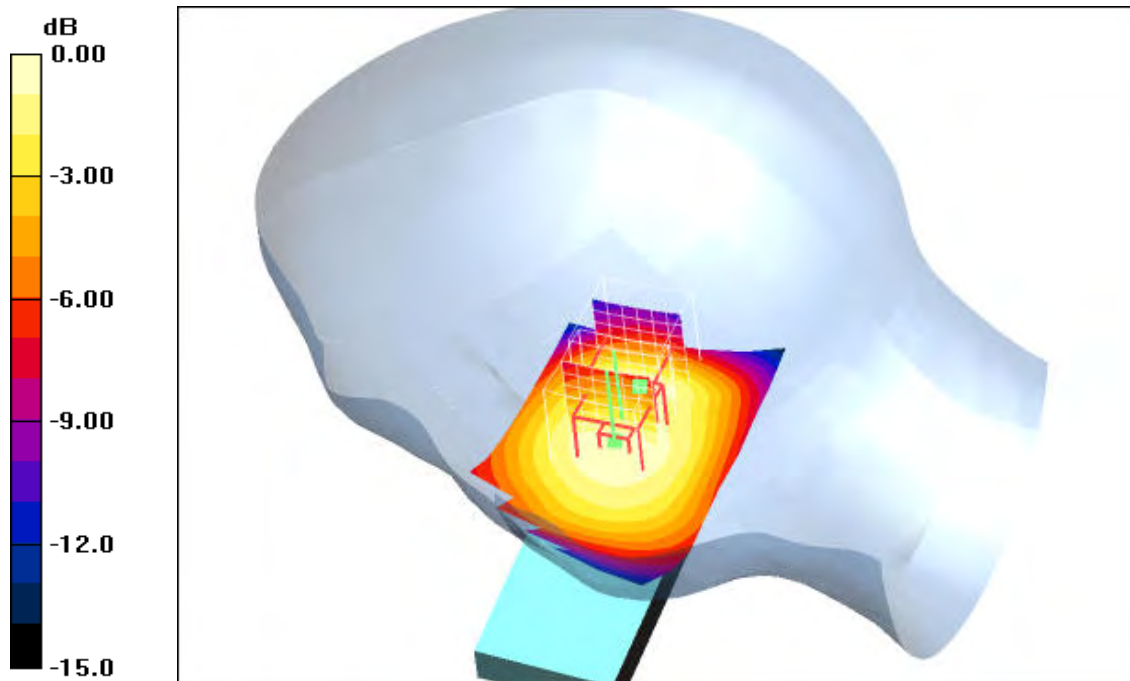
**Tilt position - Low/Zoom Scan (7x7x7) (7x7x7)/Cube 1:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 19.9 V/m; Power Drift = -0.161 dB

Peak SAR (extrapolated) = 0.373 W/kg

**SAR(1 g) = 0.300 mW/g; SAR(10 g) = 0.224 mW/g**

Maximum value of SAR (measured) = 0.317 mW/g



0 dB = 0.317mW/g

**Additional information:**

position or distance of DUT to SAM (if not standard head positions) :

ambient temperature: 22.8 °C; liquid temperature: 22.1 °C

Date/Time: 2008-11-02 21:03:36 Date/Time: 2008-11-02 21:10:01 Date/Time: 2008-11-02 21:23:21

**P1528\_OET65-RightHandSide-GSM850 open**

**DUT: Sony Ericsson; Type: AAD-3880006-BV; Serial: CB5114ZER0**

Communication System: PCS 850; Frequency: 836.6 MHz; Duty Cycle: 1:8

Medium: HSL850 Medium parameters used:  $f = 836.6 \text{ MHz}$ ;  $\sigma = 0.87 \text{ mho/m}$ ;  $\epsilon_r = 41$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1558; ConvF(6.19, 6.19, 6.19); Calibrated: 2008-08-15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn413; Calibrated: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

**Tilt position - Middle/Area Scan (51x91x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 0.371 mW/g

**Tilt position - Middle/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 21.3 V/m; Power Drift = -0.070 dB

Peak SAR (extrapolated) = 0.847 W/kg

**SAR(1 g) = 0.298 mW/g; SAR(10 g) = 0.209 mW/g**

Maximum value of SAR (measured) = 0.341 mW/g

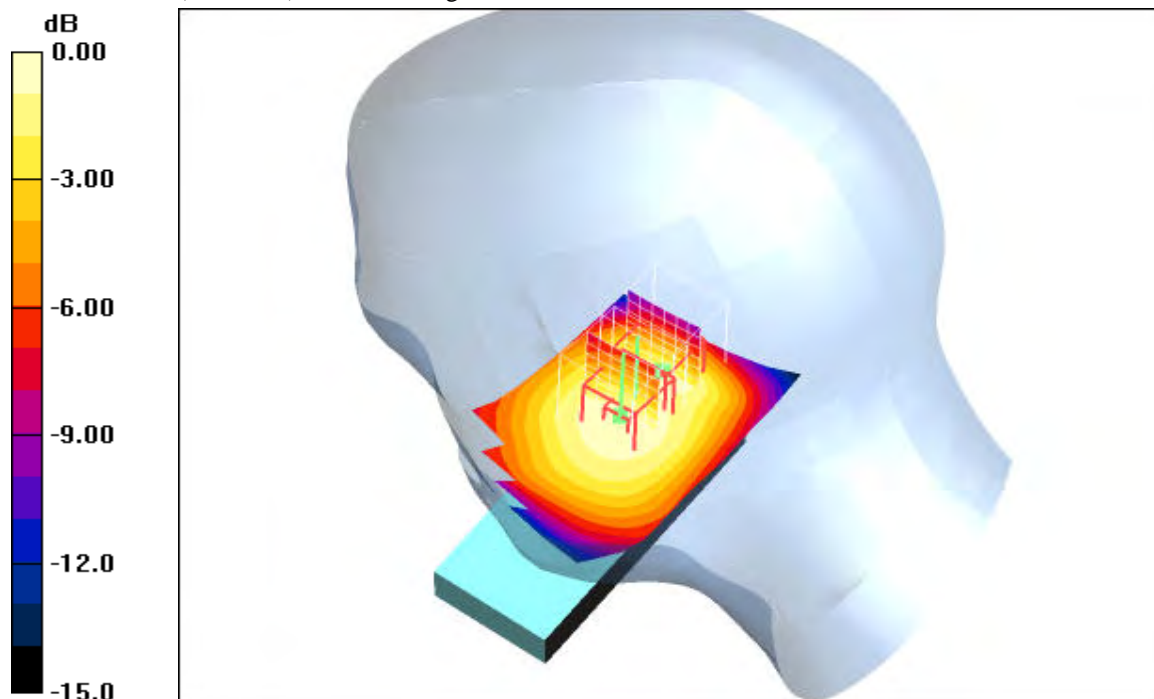
**Tilt position - Middle/Zoom Scan (7x7x7) (7x7x7)/Cube 1:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 21.3 V/m; Power Drift = -0.070 dB

Peak SAR (extrapolated) = 0.434 W/kg

**SAR(1 g) = 0.346 mW/g; SAR(10 g) = 0.258 mW/g**

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



0 dB = 0.365mW/g

**Additional information:**

position or distance of DUT to SAM (if not standard head positions) :

ambient temperature: 22.8 °C; liquid temperature: 22.1 °C

Date/Time: 2008-11-02 21:37:21 Date/Time: 2008-11-02 21:43:49 Date/Time: 2008-11-02 21:55:19

**P1528\_OET65-RightHandSide-GSM850 open**

**DUT: Sony Ericsson; Type: AAD-3880006-BV; Serial: CB5114ZER0**

Communication System: PCS 850; Frequency: 848.8 MHz; Duty Cycle: 1:8

Medium: HSL850 Medium parameters used:  $f = 848.8 \text{ MHz}$ ;  $\sigma = 0.87 \text{ mho/m}$ ;  $\epsilon_r = 41$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1558; ConvF(6.19, 6.19, 6.19); Calibrated: 2008-08-15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn413; Calibrated: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

**Tilt position - High/Area Scan (51x91x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 0.434 mW/g

**Tilt position - High/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 23.1 V/m; Power Drift = -0.045 dB

Peak SAR (extrapolated) = 0.513 W/kg

**SAR(1 g) = 0.408 mW/g; SAR(10 g) = 0.303 mW/g**

Maximum value of SAR (measured) = 0.431 mW/g

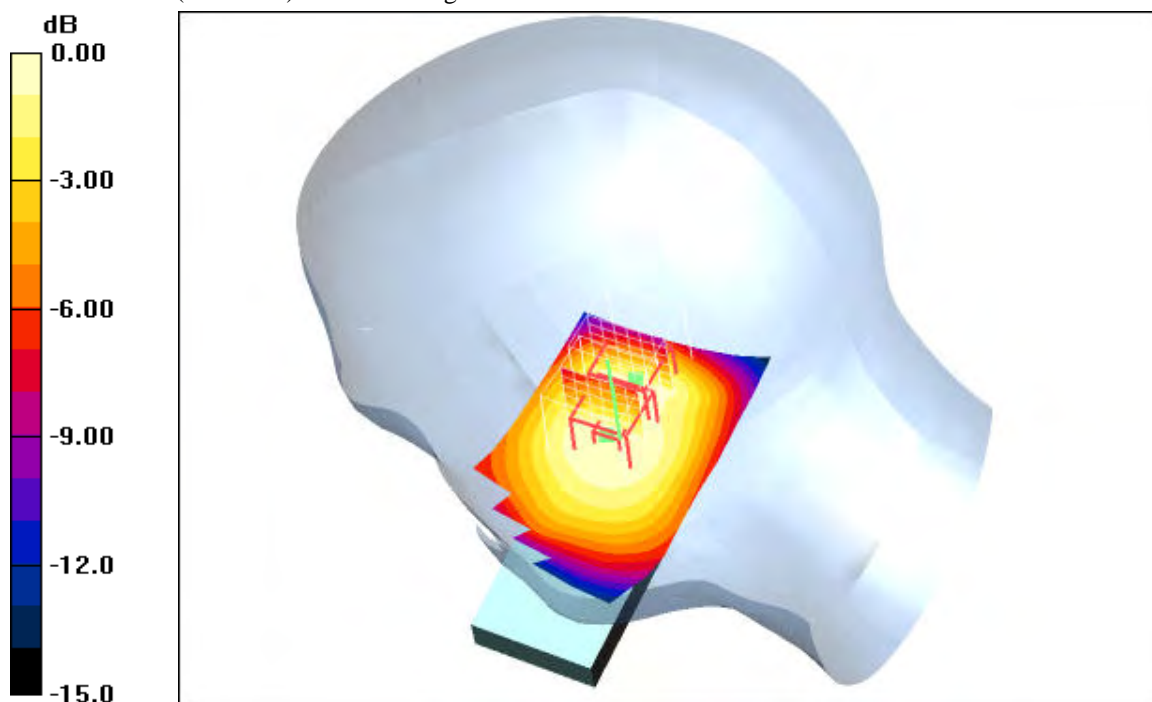
**Tilt position - High/Zoom Scan (7x7x7) (7x7x7)/Cube 1:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 23.1 V/m; Power Drift = -0.045 dB

Peak SAR (extrapolated) = 0.977 W/kg

**SAR(1 g) = 0.346 mW/g; SAR(10 g) = 0.242 mW/g**

Maximum value of SAR (measured) = 0.393 mW/g



0 dB = 0.393mW/g

**Additional information:**

position or distance of DUT to SAM (if not standard head positions) :

ambient temperature: 22.8 °C; liquid temperature: 22.1 °C



**Annex 2.2 PCS 850 MHz body**

Date/Time: 2008-10-31 13:21:50 Date/Time: 2008-10-31 13:27:11

**P1528\_OET65-Body-GSM850 GPRS 2TS**

**DUT: Sony Ericsson; Type: AAD-3880006-BV; Serial: CB5114ZERO**

Communication System: PCS 850 GPRS 2TS; Frequency: 824.2 MHz; Duty Cycle: 1:4

Medium: M850 Medium parameters used:  $f = 824.2 \text{ MHz}$ ;  $\sigma = 0.96 \text{ mho/m}$ ;  $\epsilon_r = 56.2$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1558; ConvF(5.96, 5.96, 5.96); Calibrated: 2008-08-15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn413; Calibrated: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

**Front position - Low/Area Scan (51x71x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 0.167 mW/g

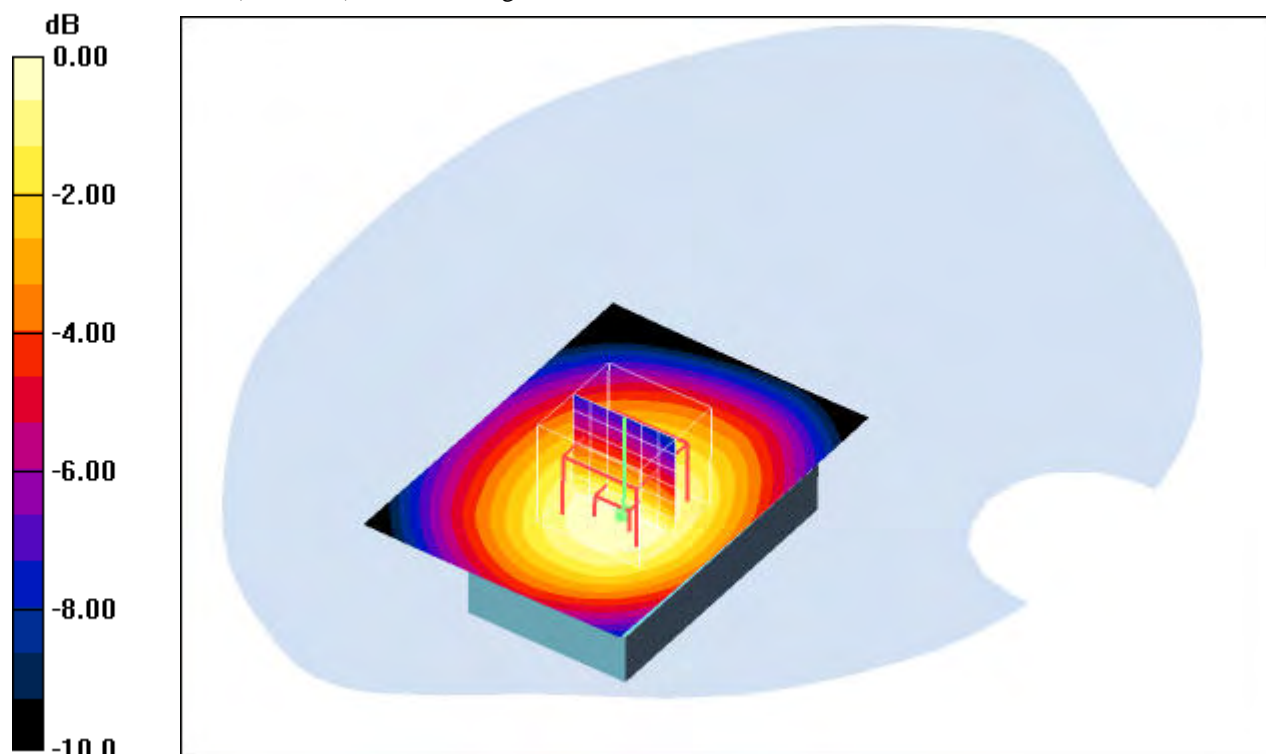
**Front position - Low/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 13.6 V/m; Power Drift = -0.099 dB

Peak SAR (extrapolated) = 0.205 W/kg

**SAR(1 g) = 0.155 mW/g; SAR(10 g) = 0.112 mW/g**

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



0 dB = 0.164mW/g

**Additional information:**

position or distance of DUT to SAM: 15 mm

ambient temperature: 22.2°C; liquid temperature: 21.2°C

Date/Time: 2008-10-31 13:46:26 Date/Time: 2008-10-31 13:51:52

**P1528\_OET65-Body-GSM850 GPRS 2TS**

**DUT: Sony Ericsson; Type: AAD-3880006-BV; Serial: CB5114ZER0**

Communication System: PCS 850 GPRS 2TS; Frequency: 836.6 MHz; Duty Cycle: 1:4

Medium: M850 Medium parameters used:  $f = 836.6 \text{ MHz}$ ;  $\sigma = 0.96 \text{ mho/m}$ ;  $\epsilon_r = 56.2$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1558; ConvF(5.96, 5.96, 5.96); Calibrated: 2008-08-15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn413; Calibrated: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

**Front position - Middle/Area Scan (51x71x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

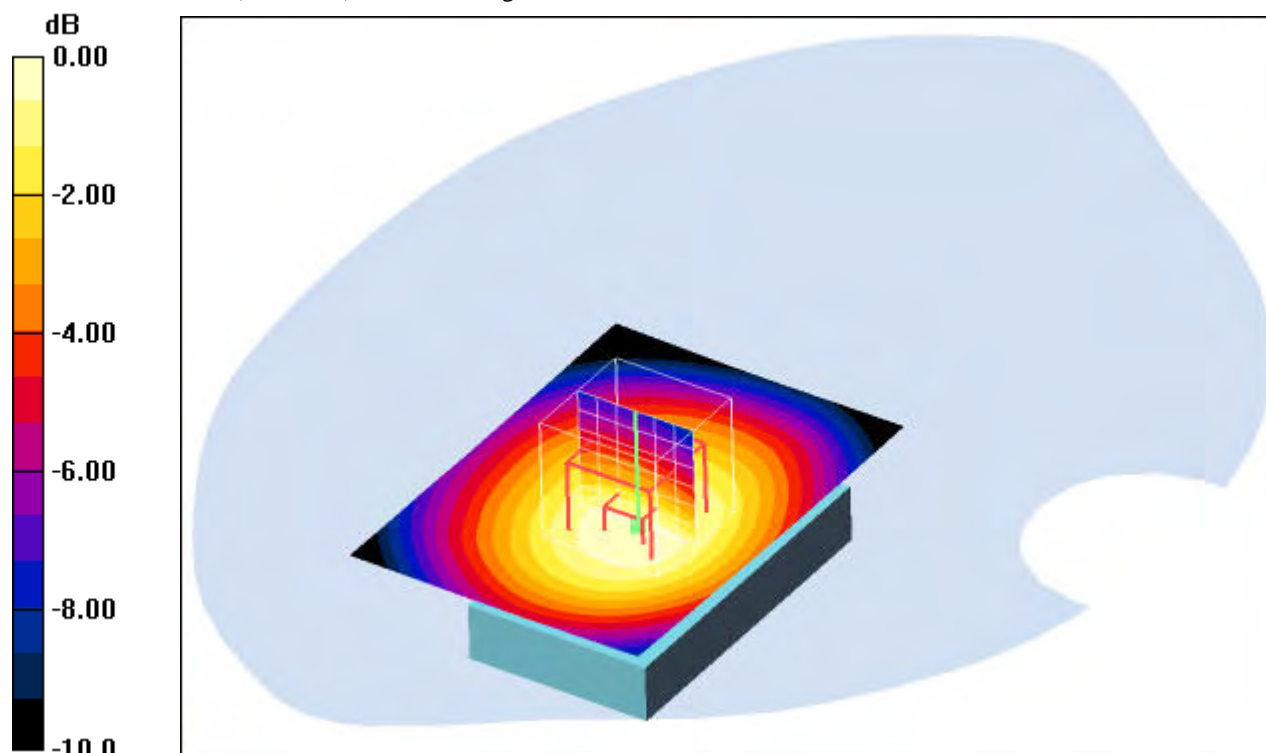
**Front position - Middle/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 18.2 V/m; Power Drift = -0.044 dB

Peak SAR (extrapolated) = 0.367 W/kg

SAR(1 g) = 0.277 mW/g; SAR(10 g) = 0.200 mW/g

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



0 dB = 0.295mW/g

**Additional information:**

position or distance of DUT to SAM: 15mm

ambient temperature: 22.2°C; liquid temperature: 21.2°C

Date/Time: 2008-10-31 14:07:15 Date/Time: 2008-10-31 14:12:44

**P1528\_OET65-Body-GSM850 GPRS 2TS**

**DUT: Sony Ericsson; Type: AAD-3880006-BV; Serial: CB5114ZER0**

Communication System: PCS 850 GPRS 2TS; Frequency: 848.8 MHz; Duty Cycle: 1:4

Medium: M850 Medium parameters used:  $f = 848.8 \text{ MHz}$ ;  $\sigma = 0.92 \text{ mho/m}$ ;  $\epsilon_r = 56.2$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1558; ConvF(5.96, 5.96, 5.96); Calibrated: 2008-08-15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn413; Calibrated: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

**Front position - High/Area Scan (51x71x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 0.436 mW/g

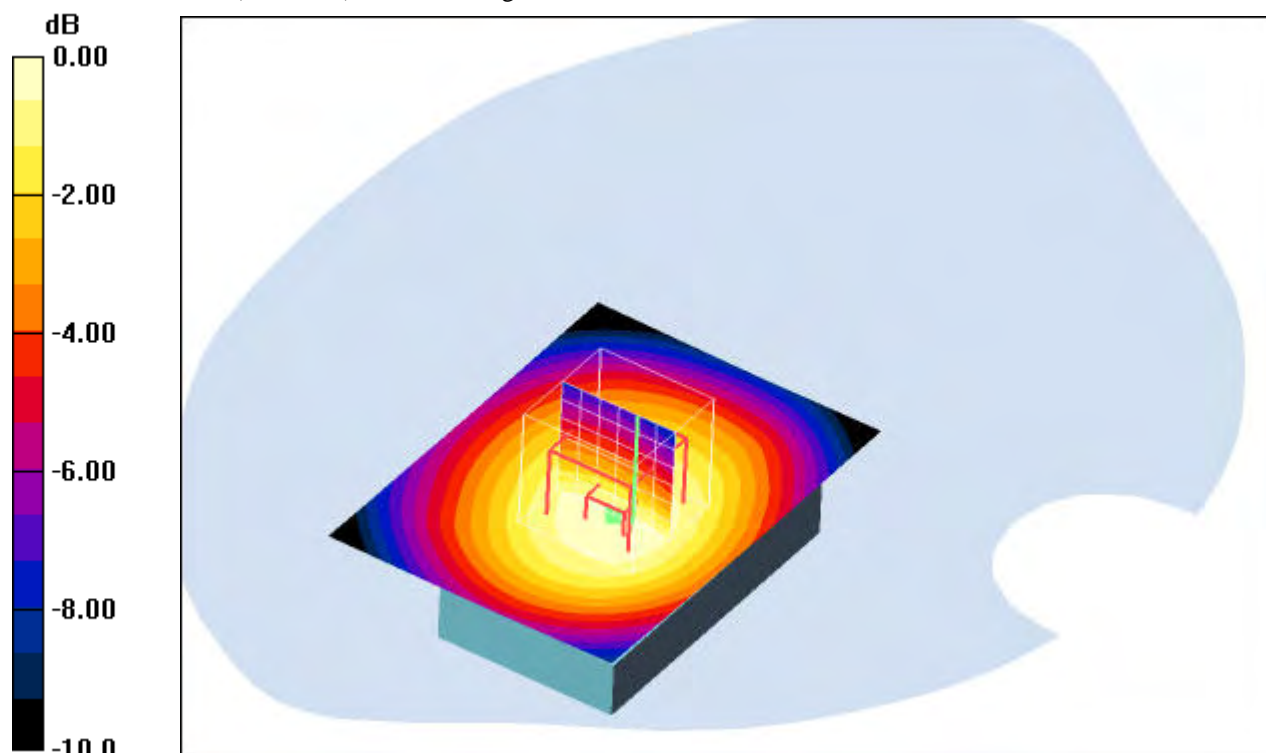
**Front position - High/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 22.6 V/m; Power Drift = 0.032 dB

Peak SAR (extrapolated) = 0.545 W/kg

**SAR(1 g) = 0.413 mW/g; SAR(10 g) = 0.301 mW/g**

Maximum value of SAR (measured) = 0.435 mW/g



0 dB = 0.435mW/g

**Additional information:**

position or distance of DUT to SAM : 15 mm

ambient temperature: 22.3°C; liquid temperature: 21.3°C

Date/Time: 2008-10-31 15:22:46 Date/Time: 2008-10-31 15:28:07

**P1528\_OET65-Body-GSM850 GPRS 2TS**

**DUT: Sony Ericsson; Type: AAD-3880006-BV; Serial: CB5114ZER0**

Communication System: PCS 850 GPRS 2TS; Frequency: 824.2 MHz; Duty Cycle: 1:4

Medium: M850 Medium parameters used:  $f = 824.2 \text{ MHz}$ ;  $\sigma = 0.96 \text{ mho/m}$ ;  $\epsilon_r = 56.2$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1558; ConvF(5.96, 5.96, 5.96); Calibrated: 2008-08-15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn413; Calibrated: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

**Rear position - Low/Area Scan (51x71x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

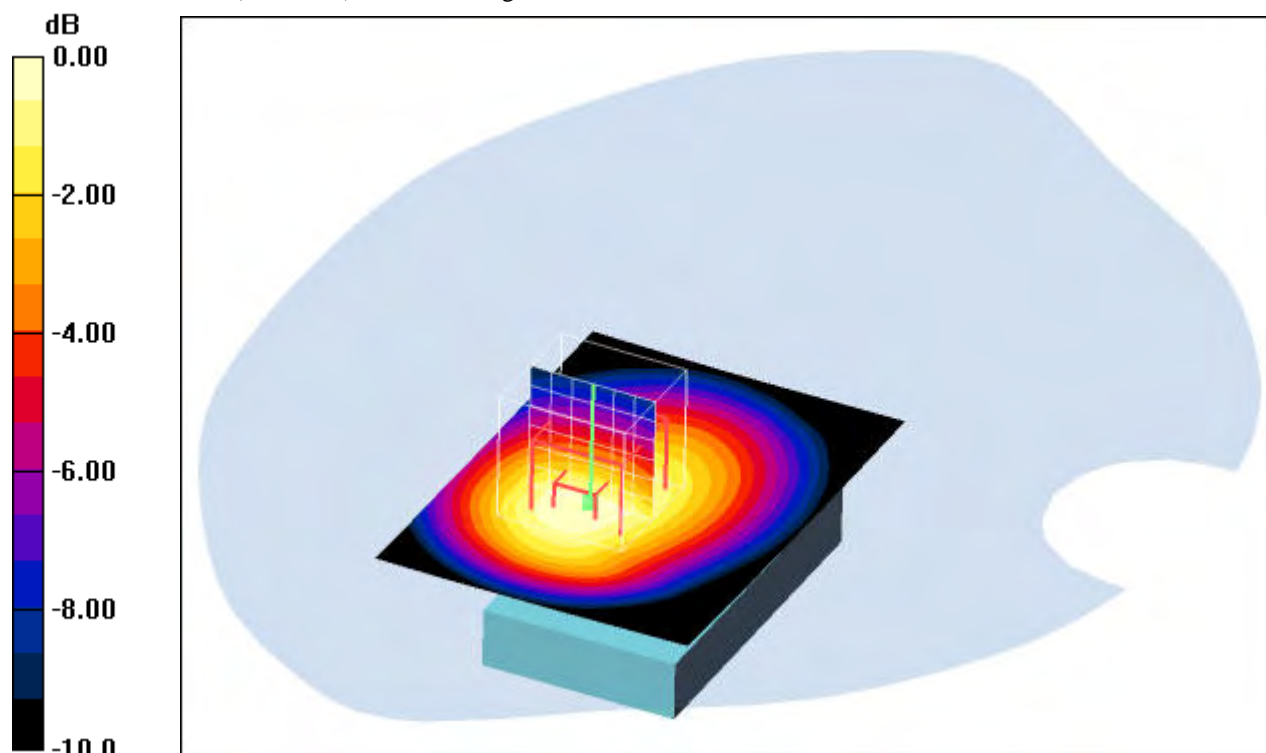
**Rear position - Low/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 21.8 V/m; Power Drift = 0.054 dB

Peak SAR (extrapolated) = 0.559 W/kg

**SAR(1 g) = 0.400 mW/g; SAR(10 g) = 0.275 mW/g**

Maximum value of SAR (measured) = 0.429 mW/g



0 dB = 0.429mW/g

**Additional information:**

position or distance of DUT to SAM: 15 mm

ambient temperature: 22.2 °C; liquid temperature: 21.2 °C

Date/Time: 2008-10-31 14:54:10 Date/Time: 2008-10-31 14:59:30

**P1528\_OET65-Body-GSM850 GPRS 2TS**

**DUT: Sony Ericsson; Type: AAD-3880006-BV; Serial: CB5114ZER0**

Communication System: PCS 850 GPRS 2TS; Frequency: 836.6 MHz; Duty Cycle: 1:4

Medium: M850 Medium parameters used:  $f = 836.6 \text{ MHz}$ ;  $\sigma = 0.96 \text{ mho/m}$ ;  $\epsilon_r = 56.2$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1558; ConvF(5.96, 5.96, 5.96); Calibrated: 2008-08-15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn413; Calibrated: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

**Rear position - Middle/Area Scan (51x71x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.532 mW/g

**Rear position - Middle/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm,

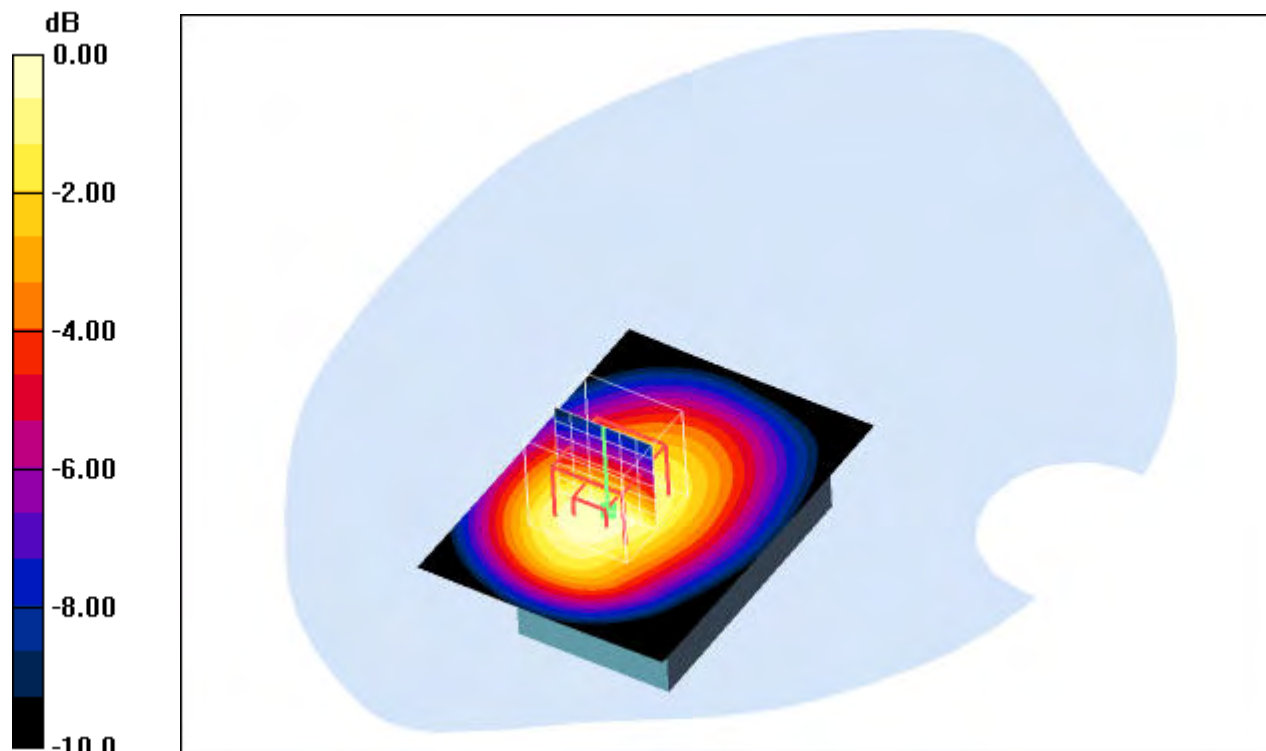
dz=5mm

Reference Value = 24.6 V/m; Power Drift = -0.049 dB

Peak SAR (extrapolated) = 0.708 W/kg

**SAR(1 g) = 0.505 mW/g; SAR(10 g) = 0.344 mW/g**

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



0 dB = 0.540mW/g

**Additional information:**

position or distance of DUT to SAM : 15 mm

ambient temperature: 22.2 °C; liquid temperature: 21.2 °C

Date/Time: 2008-10-31 14:29:31 Date/Time: 2008-10-31 14:34:58

**P1528\_OET65-Body-GSM850 GPRS 2TS**

**DUT: Sony Ericsson; Type: AAD-3880006-BV; Serial: CB5114ZER0**

Communication System: PCS 850 GPRS 2TS; Frequency: 848.8 MHz; Duty Cycle: 1:4

Medium: M850 Medium parameters used:  $f = 848.8 \text{ MHz}$ ;  $\sigma = 0.92 \text{ mho/m}$ ;  $\epsilon_r = 56.2$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1558; ConvF(5.96, 5.96, 5.96); Calibrated: 2008-08-15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn413; Calibrated: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

**Rear position - High/Area Scan (51x71x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.786 mW/g

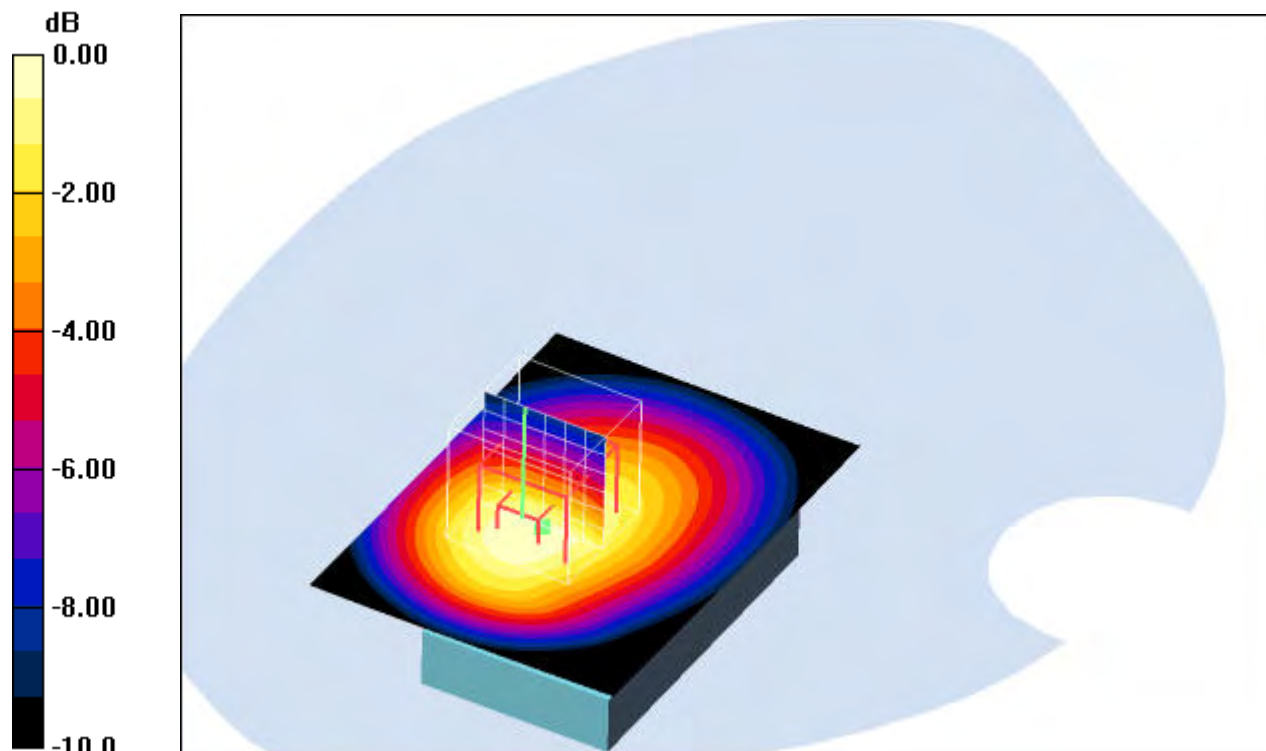
**Rear position - High/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 30.2 V/m; Power Drift = 0.115 dB

Peak SAR (extrapolated) = 1.03 W/kg

**SAR(1 g) = 0.742 mW/g; SAR(10 g) = 0.509 mW/g**

Maximum value of SAR (measured) = 0.798 mW/g



0 dB = 0.798mW/g

**Additional information:**

position or distance of DUT to SAM: 15 mm

ambient temperature: 22.2 °C; liquid temperature: 21.2 °C

Date/Time: 2008-10-31 15:52:18 Date/Time: 2008-10-31 15:57:56

**P1528\_OET65-Body-GSM850 GPRS 1TS**

**DUT: Sony Ericsson; Type: AAD-3880006-BV; Serial: CB5114ZER0**

Communication System: PCS 850 GPRS 1TS; Frequency: 848.8 MHz; Duty Cycle: 1:8

Medium: M850 Medium parameters used:  $f = 848.8 \text{ MHz}$ ;  $\sigma = 0.92 \text{ mho/m}$ ;  $\epsilon_r = 56.2$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1558; ConvF(5.96, 5.96, 5.96); Calibrated: 2008-08-15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn413; Calibrated: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

**Rear position - High/Area Scan (51x71x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 0.565 mW/g

**Rear position - High/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,

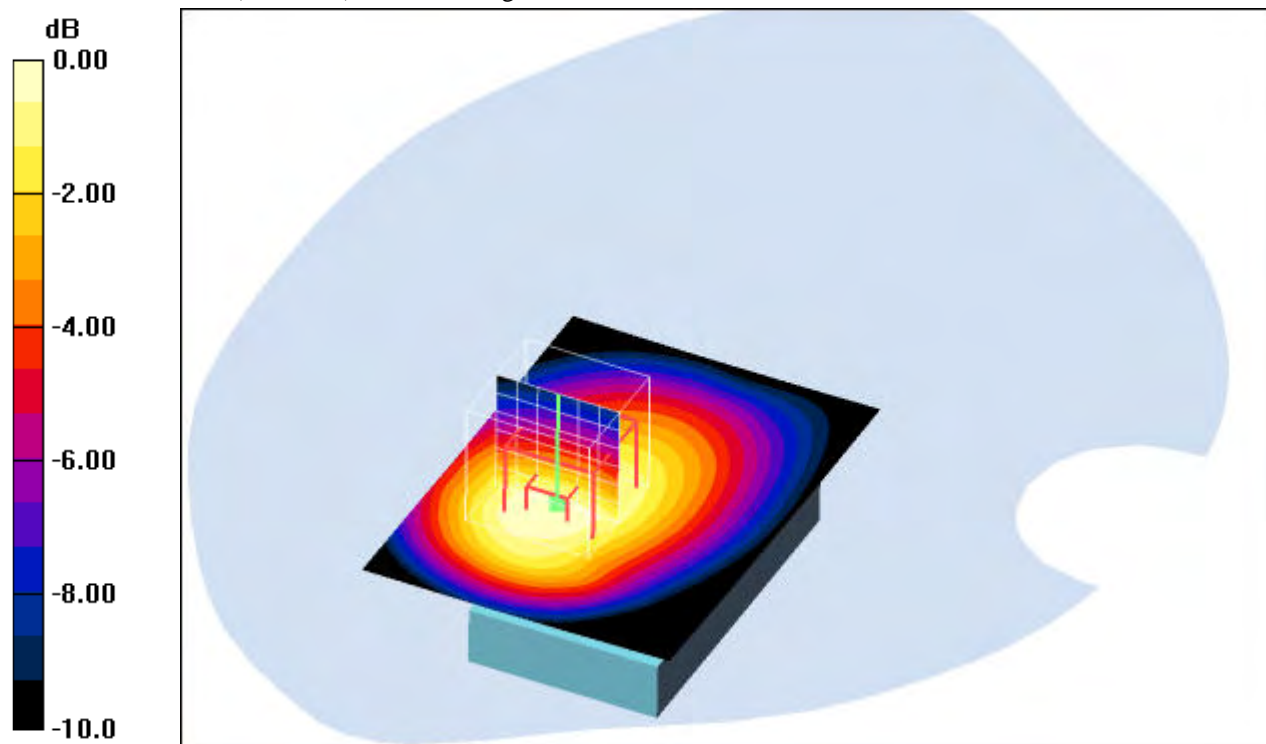
$dz=5\text{mm}$

Reference Value = 25.7 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.743 W/kg

**SAR(1 g) = 0.527 mW/g; SAR(10 g) = 0.361 mW/g**

Maximum value of SAR (measured) = 0.562 mW/g



0 dB = 0.562mW/g

**Additional information:**

position or distance of DUT to SAM: 15 mm

ambient temperature: 22.1 °C; liquid temperature: 21.1 °C

Date/Time: 2008-10-31 16:18:37 Date/Time: 2008-10-31 16:24:13

**P1528\_OET65-Body-GSM850 EGPRS 2TS**

**DUT: Sony Ericsson; Type: AAD-3880006-BV; Serial: CB5114ZER0**

Communication System: PCS 850 EGPRS 2TS; Frequency: 848.8 MHz; Duty Cycle: 1:4

Medium: M850 Medium parameters used:  $f = 848.8 \text{ MHz}$ ;  $\sigma = 0.92 \text{ mho/m}$ ;  $\epsilon_r = 56.2$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1558; ConvF(5.96, 5.96, 5.96); Calibrated: 2008-08-15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn413; Calibrated: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

**Rear position - High/Area Scan (51x71x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

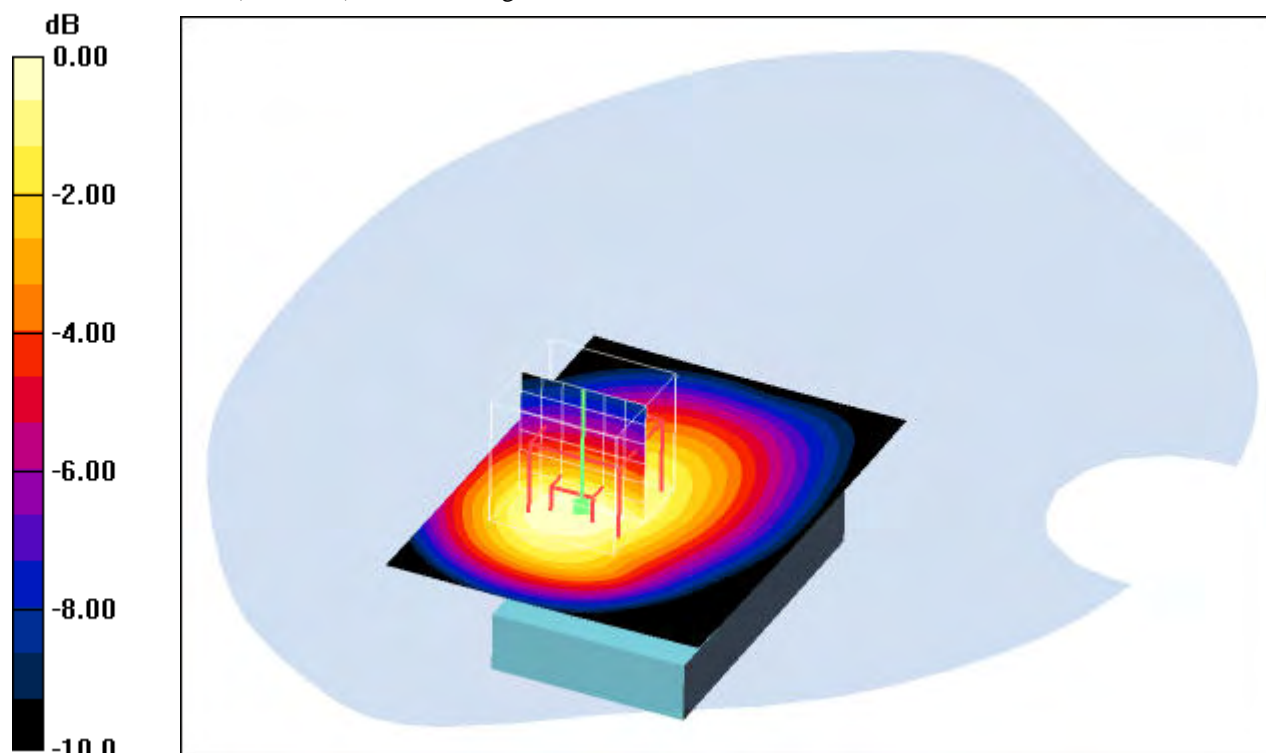
**Rear position - High/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 20.8 V/m; Power Drift = -0.031 dB

Peak SAR (extrapolated) = 0.488 W/kg

SAR(1 g) = 0.345 mW/g; SAR(10 g) = 0.237 mW/g

Maximum value of SAR (measured) = 0.369 mW/g



0 dB = 0.369mW/g

**Additional information:**

position or distance of DUT to SAM: 15 mm

ambient temperature: 22.0 °C; liquid temperature: 20.8 °C



**Annex 2.3 PCS 1900 MHz head**

Date/Time: 2008-11-03 15:09:58 Date/Time: 2008-11-03 15:16:58

**P1528\_OET65-LeftHandSide-GSM1900**

**DUT: Sony Ericsson; Type: AAD-3880006-BV; Serial: CB5114ZERO**

Communication System: PCS 1900; Frequency: 1850.2 MHz; Duty Cycle: 1:8

Medium: HSL1900 Medium parameters used:  $f = 1850.2$  MHz;  $\sigma = 1.41$  mho/m;  $\epsilon_r = 39.4$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1558; ConvF(4.96, 4.96, 4.96); Calibrated: 2008-08-15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn413; Calibrated: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

**Touch position - Low/Area Scan (51x71x1):** Measurement grid: dx=15mm, dy=15mm

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

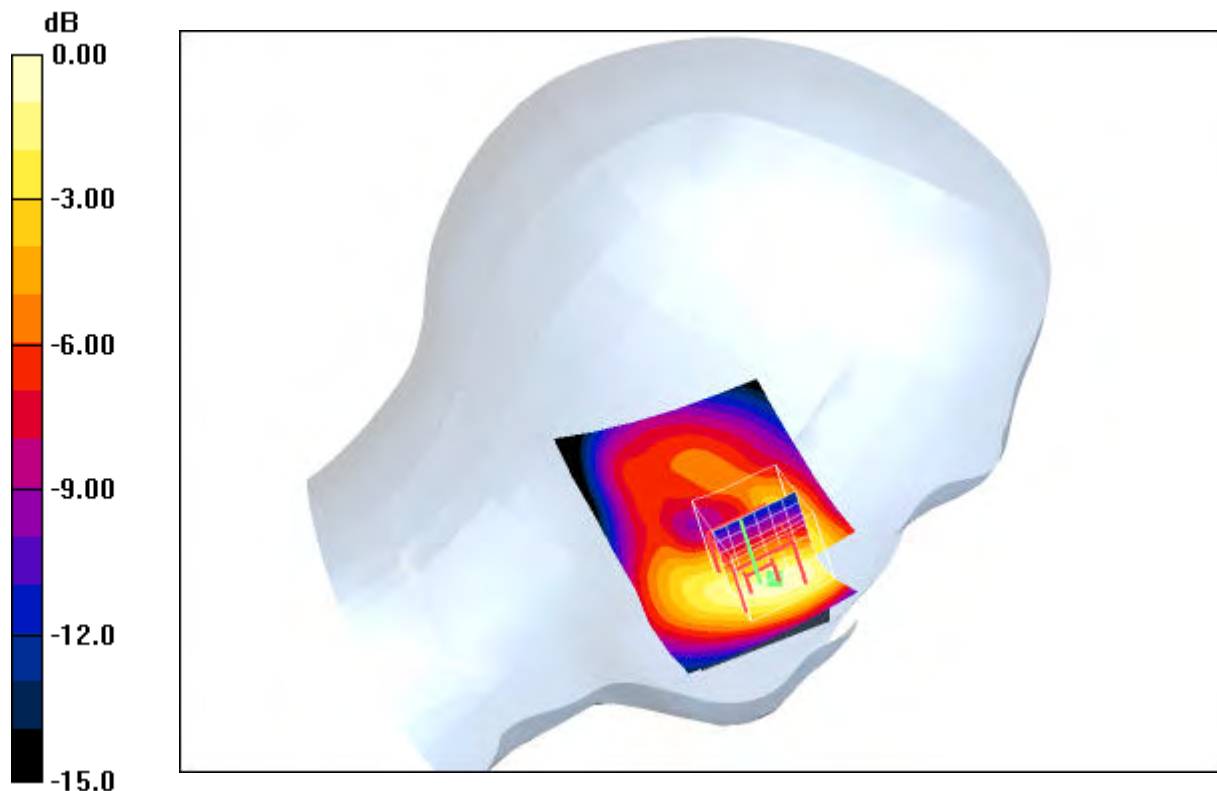
**Touch position - Low/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 20.6 V/m; Power Drift = -0.032 dB

Peak SAR (extrapolated) = 0.849 W/kg

**SAR(1 g) = 0.528 mW/g; SAR(10 g) = 0.312 mW/g**

Maximum value of SAR (measured) = 0.565 mW/g



0 dB = 0.565mW/g

**Additional information:**

position or distance of DUT to SAM (if not standard head positions) :

ambient temperature: 23.1 °C; liquid temperature: 21.7 °C

Date/Time: 2008-11-03 15:32:19 Date/Time: 2008-11-03 15:37:52

**P1528\_OET65-LeftHandSide-GSM1900**

**DUT: Sony Ericsson; Type: AAD-3880006-BV; Serial: CB5114ZER0**

Communication System: PCS 1900; Frequency: 1880 MHz; Duty Cycle: 1:8

Medium: HSL1900 Medium parameters used:  $f = 1880 \text{ MHz}$ ;  $\sigma = 1.41 \text{ mho/m}$ ;  $\epsilon_r = 39.4$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1558; ConvF(4.96, 4.96, 4.96); Calibrated: 2008-08-15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn413; Calibrated: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

**Touch position - Middle/Area Scan (51x71x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 0.732 mW/g

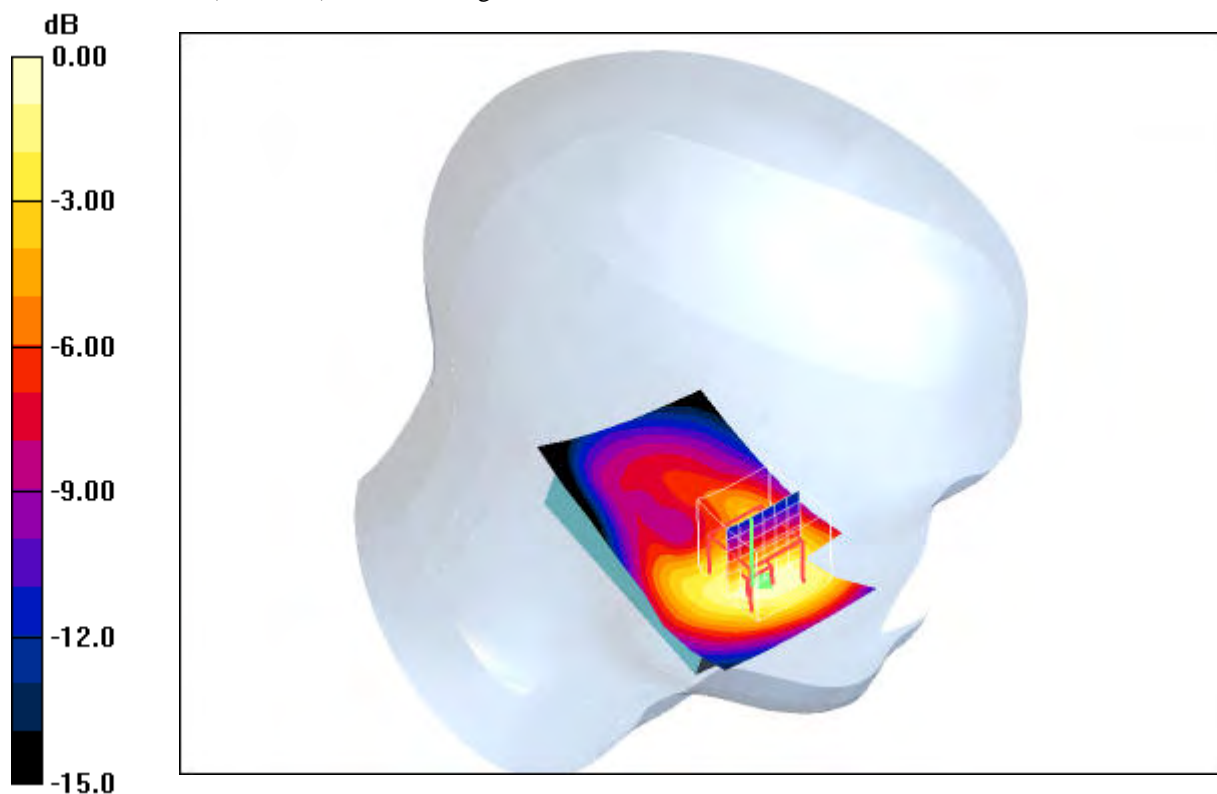
**Touch position - Middle/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 23.7 V/m; Power Drift = -0.013 dB

Peak SAR (extrapolated) = 1.16 W/kg

SAR(1 g) = 0.709 mW/g; SAR(10 g) = 0.418 mW/g

Maximum value of SAR (measured) = 0.773 mW/g



0 dB = 0.773mW/g

**Additional information:**

position or distance of DUT to SAM (if not standard head positions) :

ambient temperature: 23.1 °C; liquid temperature: 21.7 °C

Date/Time: 2008-11-03 15:53:54 Date/Time: 2008-11-03 15:59:30

**P1528\_OET65-LeftHandSide-GSM1900**

**DUT: Sony Ericsson; Type: AAD-3880006-BV; Serial: CB5114ZER0**

Communication System: PCS 1900; Frequency: 1909.8 MHz; Duty Cycle: 1:8

Medium: HSL1900 Medium parameters used:  $f = 1909.8 \text{ MHz}$ ;  $\sigma = 1.41 \text{ mho/m}$ ;  $\epsilon_r = 39.4$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1558; ConvF(4.96, 4.96, 4.96); Calibrated: 2008-08-15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn413; Calibrated: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

**Touch position - High/Area Scan (51x71x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 0.840 mW/g

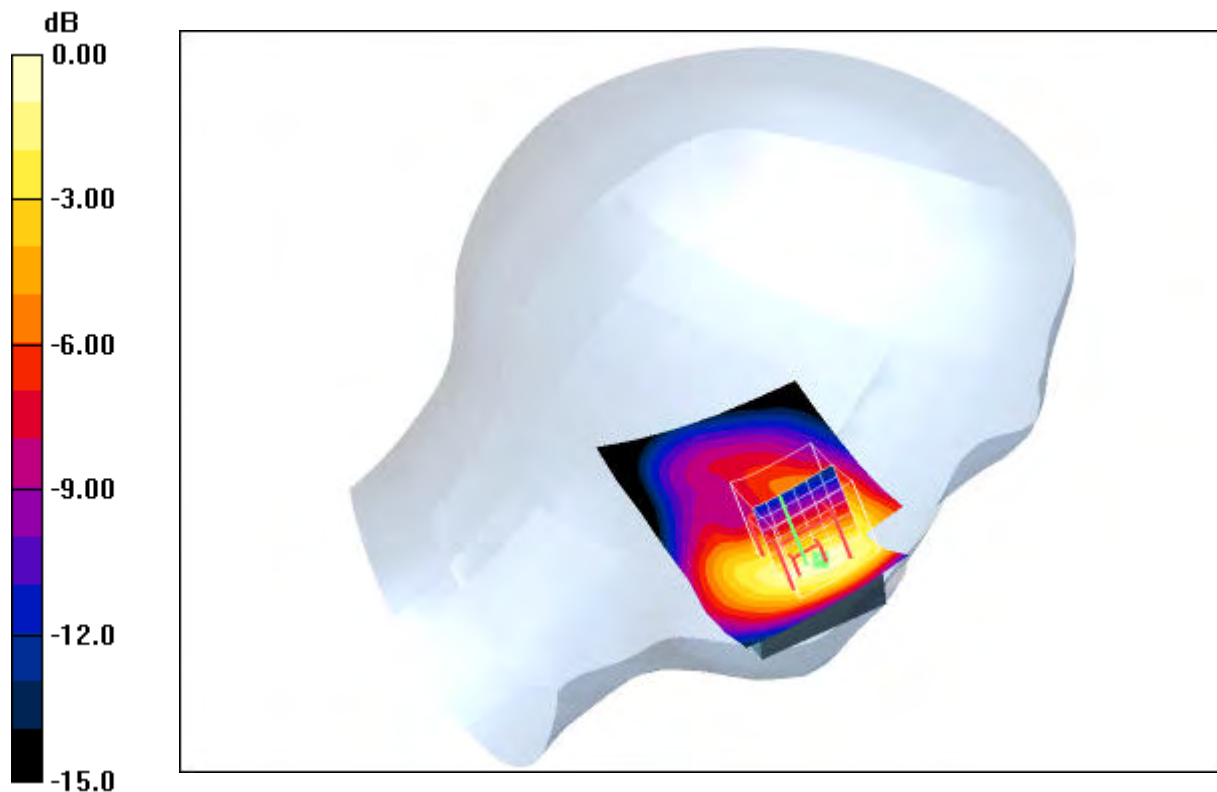
**Touch position - High/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 25.3 V/m; Power Drift = -0.029 dB

Peak SAR (extrapolated) = 1.37 W/kg

**SAR(1 g) = 0.826 mW/g; SAR(10 g) = 0.482 mW/g**

Maximum value of SAR (measured) = 0.906 mW/g



0 dB = 0.906mW/g

**Additional information:**

position or distance of DUT to SAM (if not standard head positions) :

ambient temperature: 23.1 °C; liquid temperature: 21.7 °C

Date/Time: 2008-11-03 16:42:06 Date/Time: 2008-11-03 16:48:18

**P1528\_OET65-LeftHandSide-GSM1900**

**DUT: Sony Ericsson; Type: AAD-3880006-BV; Serial: CB5114ZER0**

Communication System: PCS 1900; Frequency: 1850.2 MHz; Duty Cycle: 1:8

Medium: HSL1900 Medium parameters used:  $f = 1850.2 \text{ MHz}$ ;  $\sigma = 1.41 \text{ mho/m}$ ;  $\epsilon_r = 39.4$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1558; ConvF(4.96, 4.96, 4.96); Calibrated: 2008-08-15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn413; Calibrated: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

**Tilt position - Low/Area Scan (51x81x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 0.285 mW/g

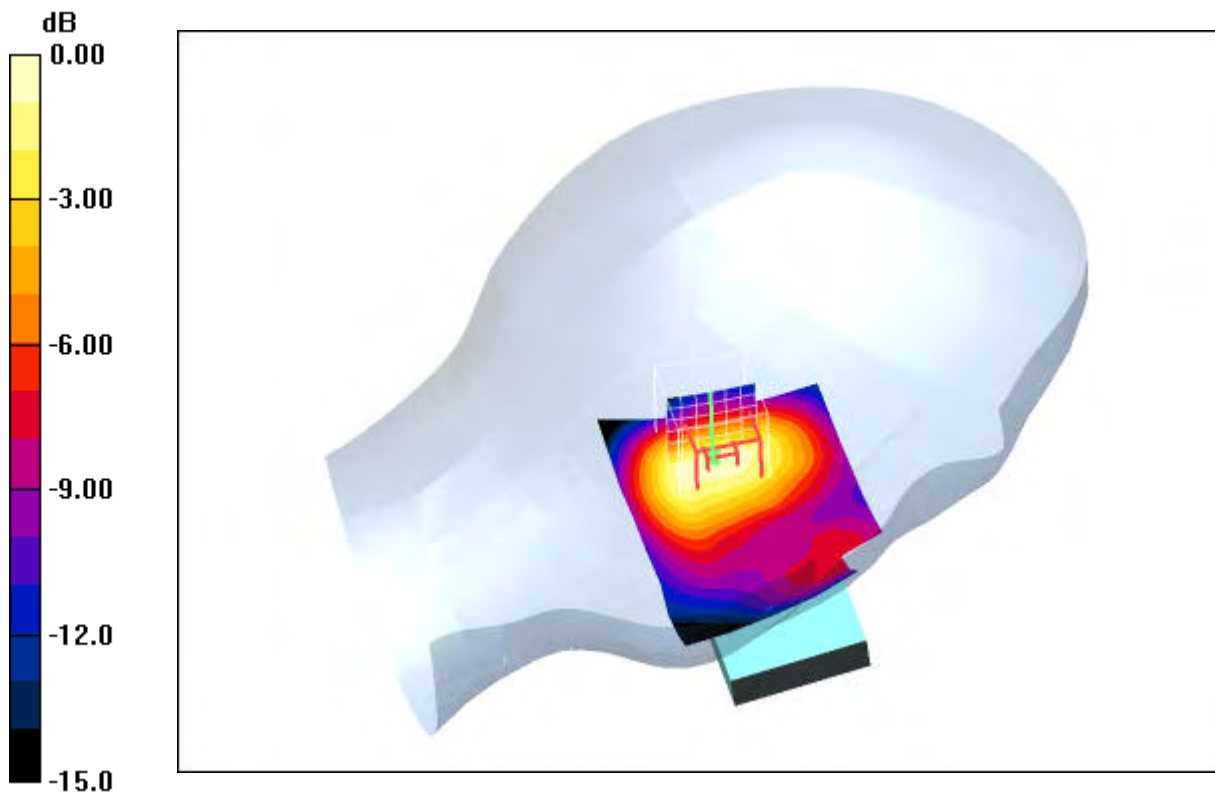
**Tilt position - Low/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 13.0 V/m; Power Drift = 0.027 dB

Peak SAR (extrapolated) = 0.393 W/kg

**SAR(1 g) = 0.248 mW/g; SAR(10 g) = 0.150 mW/g**

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



0 dB = 0.271mW/g

**Additional information:**

position or distance of DUT to SAM (if not standard head positions) :

ambient temperature: 23.2 °C; liquid temperature: 21.8 °C

Date/Time: 2008-11-03 17:01:46 Date/Time: 2008-11-03 17:07:55

**P1528\_OET65-LeftHandSide-GSM1900**

**DUT: Sony Ericsson; Type: AAD-3880006-BV; Serial: CB5114ZER0**

Communication System: PCS 1900; Frequency: 1880 MHz; Duty Cycle: 1:8

Medium: HSL1900 Medium parameters used:  $f = 1880 \text{ MHz}$ ;  $\sigma = 1.41 \text{ mho/m}$ ;  $\epsilon_r = 39.4$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1558; ConvF(4.96, 4.96, 4.96); Calibrated: 2008-08-15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn413; Calibrated: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

**Tilt position - Middle/Area Scan (51x81x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 0.283 mW/g

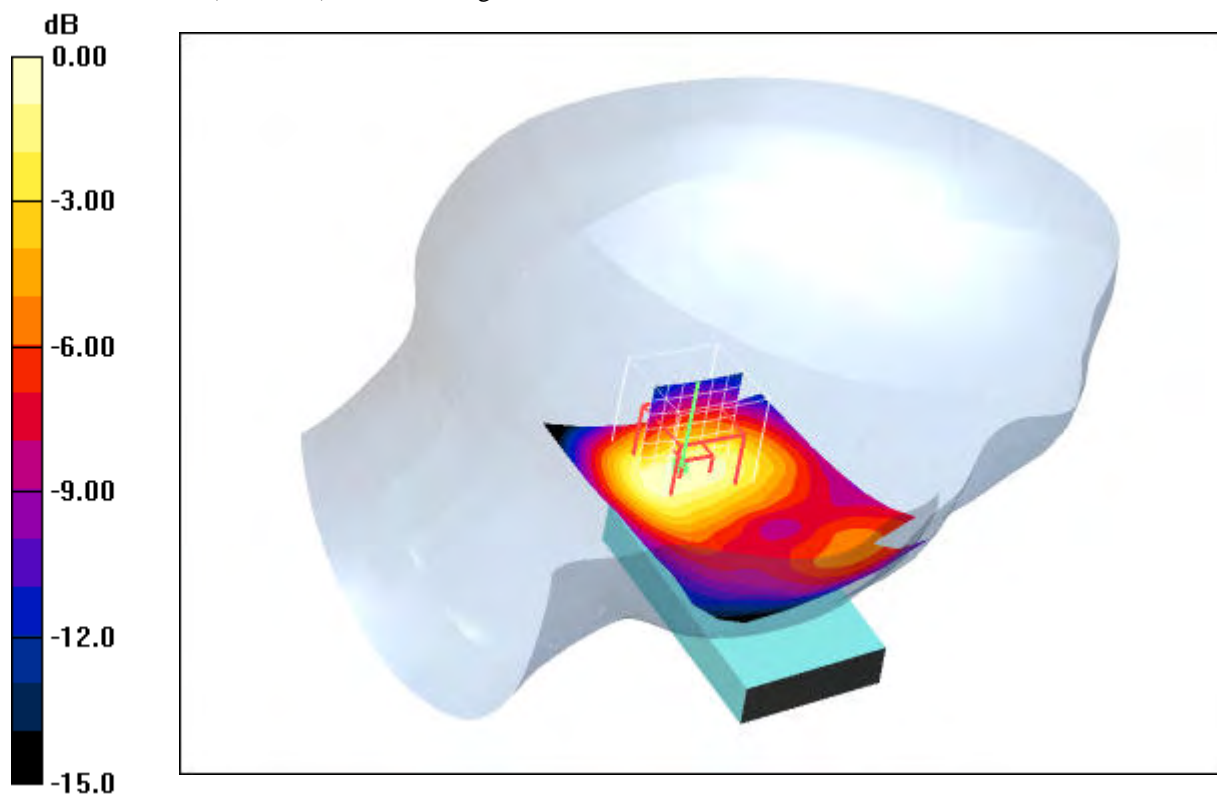
**Tilt position - Middle/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 13.7 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.392 W/kg

**SAR(1 g) = 0.251 mW/g; SAR(10 g) = 0.154 mW/g**

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



0 dB = 0.272mW/g

**Additional information:**

position or distance of DUT to SAM (if not standard head positions) :

ambient temperature: 23.2 °C; liquid temperature: 21.8 °C

Date/Time: 2008-11-03 17:21:36 Date/Time: 2008-11-03 17:27:46

**P1528\_OET65-LeftHandSide-GSM1900**

**DUT: Sony Ericsson; Type: AAD-3880006-BV; Serial: CB5114ZER0**

Communication System: PCS 1900; Frequency: 1909.8 MHz; Duty Cycle: 1:8

Medium: HSL1900 Medium parameters used:  $f = 1909.8 \text{ MHz}$ ;  $\sigma = 1.41 \text{ mho/m}$ ;  $\epsilon_r = 39.4$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1558; ConvF(4.96, 4.96, 4.96); Calibrated: 2008-08-15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn413; Calibrated: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

**Tilt position - High/Area Scan (51x81x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 0.307 mW/g

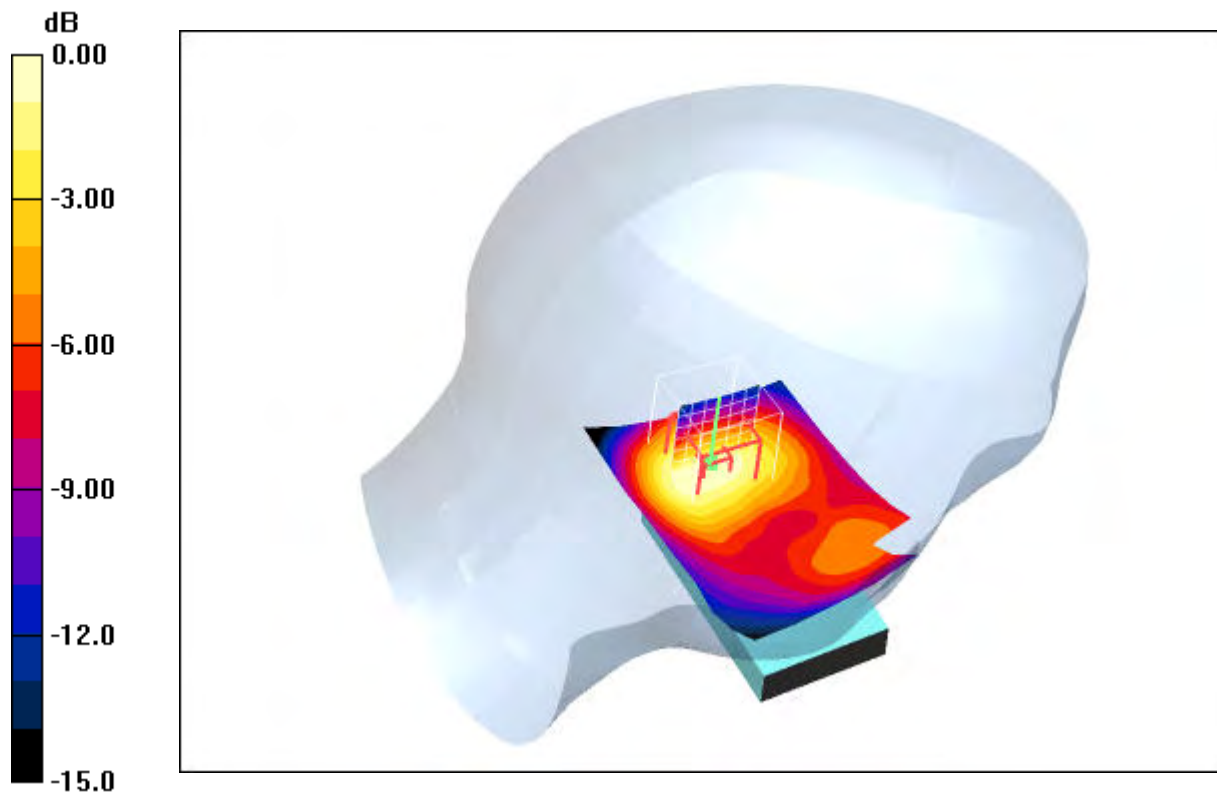
**Tilt position - High/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 14.7 V/m; Power Drift = 0.029 dB

Peak SAR (extrapolated) = 0.440 W/kg

**SAR(1 g) = 0.279 mW/g; SAR(10 g) = 0.169 mW/g**

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



0 dB = 0.306mW/g

**Additional information:**

position or distance of DUT to SAM (if not standard head positions) :

ambient temperature: 23.2 °C; liquid temperature: 21.8 °C

Date/Time: 2008-11-03 18:49:39 Date/Time: 2008-11-03 18:56:14

**P1528\_OET65-LeftHandSide-GSM1900 open**

**DUT: Sony Ericsson; Type: AAD-3880006-BV; Serial: CB5114ZER0**

Communication System: PCS 1900; Frequency: 1850.2 MHz; Duty Cycle: 1:8

Medium: HSL1900 Medium parameters used:  $f = 1850.2 \text{ MHz}$ ;  $\sigma = 1.41 \text{ mho/m}$ ;  $\epsilon_r = 39.4$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1558; ConvF(4.96, 4.96, 4.96); Calibrated: 2008-08-15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn413; Calibrated: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

**Touch position - Low/Area Scan (51x91x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 0.901 mW/g

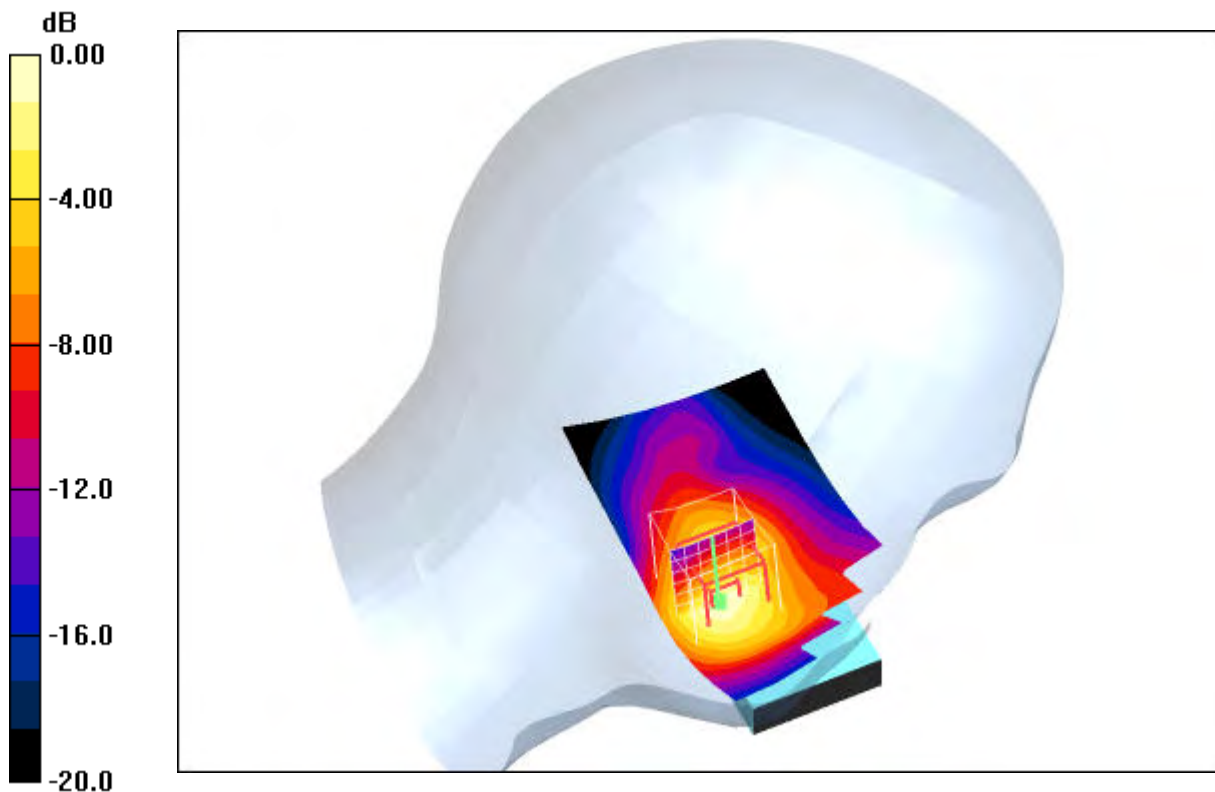
**Touch position - Low/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 24.2 V/m; Power Drift = -0.022 dB

Peak SAR (extrapolated) = 1.56 W/kg

**SAR(1 g) = 0.878 mW/g; SAR(10 g) = 0.487 mW/g**

Maximum value of SAR (measured) = 0.945 mW/g



0 dB = 0.945mW/g

**Additional information:**

position or distance of DUT to SAM (if not standard head positions) :

ambient temperature: 23.3 °C; liquid temperature: 21.3 °C

Date/Time: 2008-11-03 19:12:22 Date/Time: 2008-11-03 19:18:56

**P1528\_OET65-LeftHandSide-GSM1900 open**

**DUT: Sony Ericsson; Type: AAD-3880006-BV; Serial: CB5114ZER0**

Communication System: PCS 1900; Frequency: 1880 MHz; Duty Cycle: 1:8

Medium: HSL1900 Medium parameters used:  $f = 1880 \text{ MHz}$ ;  $\sigma = 1.41 \text{ mho/m}$ ;  $\epsilon_r = 39.4$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1558; ConvF(4.96, 4.96, 4.96); Calibrated: 2008-08-15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn413; Calibrated: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

**Touch position - Middle/Area Scan (51x91x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

**Touch position - Middle/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

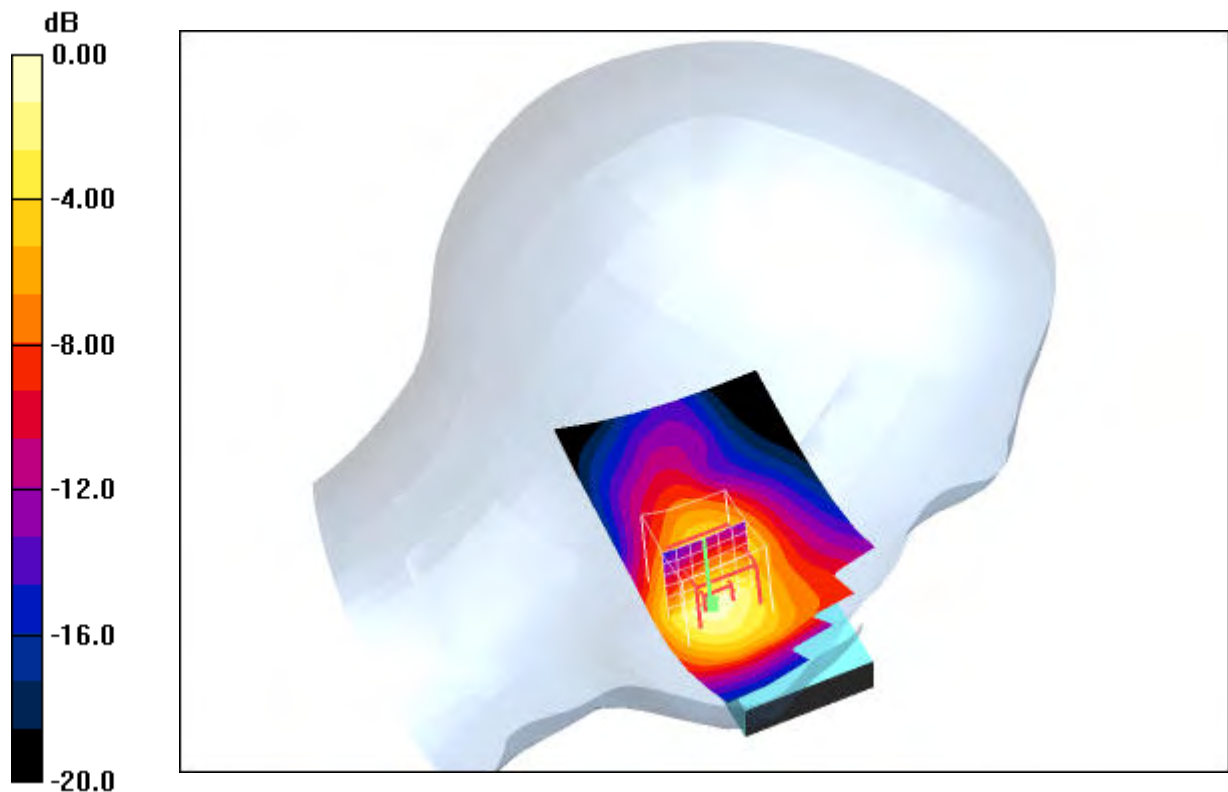
Reference Value = 25.7 V/m; Power Drift = -0.016 dB

Peak SAR (extrapolated) = 1.83 W/kg

Peak SAR (extrapolated) = 1.83 W/kg

**SAR(1 g) = 1.01 mW/g; SAR(10 g) = 0.552 mW/g**

Maximum value of SAR (measured) = 1.10 mW/g



0 dB = 1.10mW/g

**Additional information:**

position or distance of DUT to SAM (if not standard head positions) :

ambient temperature: 23.3 °C; liquid temperature: 21.3 °C



Date/Time: 2008-11-03 19:34:53 Date/Time: 2008-11-03 19:41:32

**P1528\_OET65-LeftHandSide-GSM1900 open**

**DUT: Sony Ericsson; Type: AAD-3880006-BV; Serial: CB5114ZER0**

Communication System: PCS 1900; Frequency: 1909.8 MHz; Duty Cycle: 1:8

Medium: HSL1900 Medium parameters used:  $f = 1909.8 \text{ MHz}$ ;  $\sigma = 1.41 \text{ mho/m}$ ;  $\epsilon_r = 39.4$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1558; ConvF(4.96, 4.96, 4.96); Calibrated: 2008-08-15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn413; Calibrated: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

**Touch position - High/Area Scan (51x91x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 1.28 mW/g

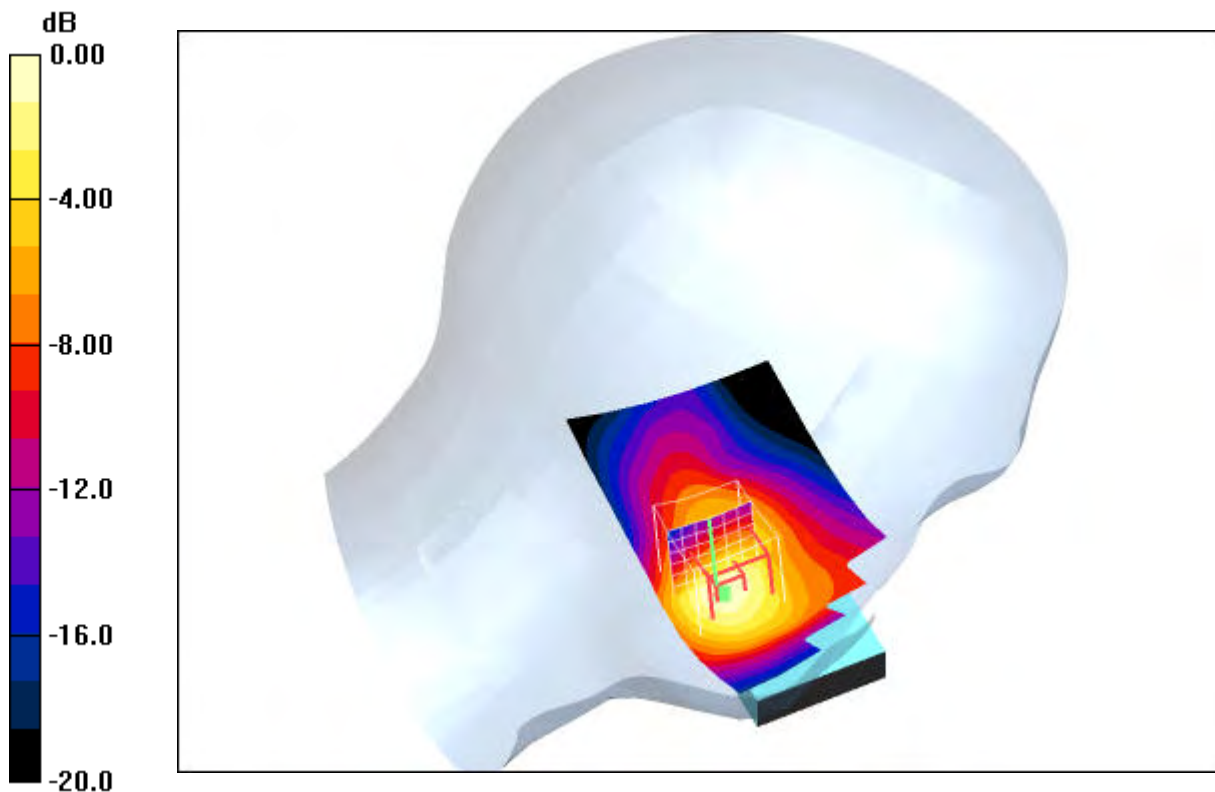
**Touch position - High/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 28.3 V/m; Power Drift = 0.036 dB

Peak SAR (extrapolated) = 2.28 W/kg

**SAR(1 g) = 1.23 mW/g; SAR(10 g) = 0.672 mW/g**

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



0 dB = 1.33mW/g

**Additional information:**

position or distance of DUT to SAM (if not standard head positions) :

ambient temperature: 23.3 °C; liquid temperature: 21.3 °C

Date/Time: 2008-11-03 18:26:32 Date/Time: 2008-11-03 18:33:22

**P1528\_OET65-LeftHandSide-GSM1900 open**

**DUT: Sony Ericsson; Type: AAD-3880006-BV; Serial: CB5114ZER0**

Communication System: PCS 1900; Frequency: 1850.2 MHz; Duty Cycle: 1:8

Medium: HSL1900 Medium parameters used:  $f = 1850.2 \text{ MHz}$ ;  $\sigma = 1.41 \text{ mho/m}$ ;  $\epsilon_r = 39.4$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1558; ConvF(4.96, 4.96, 4.96); Calibrated: 2008-08-15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn413; Calibrated: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

**Tilt position - Low/Area Scan (51x91x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

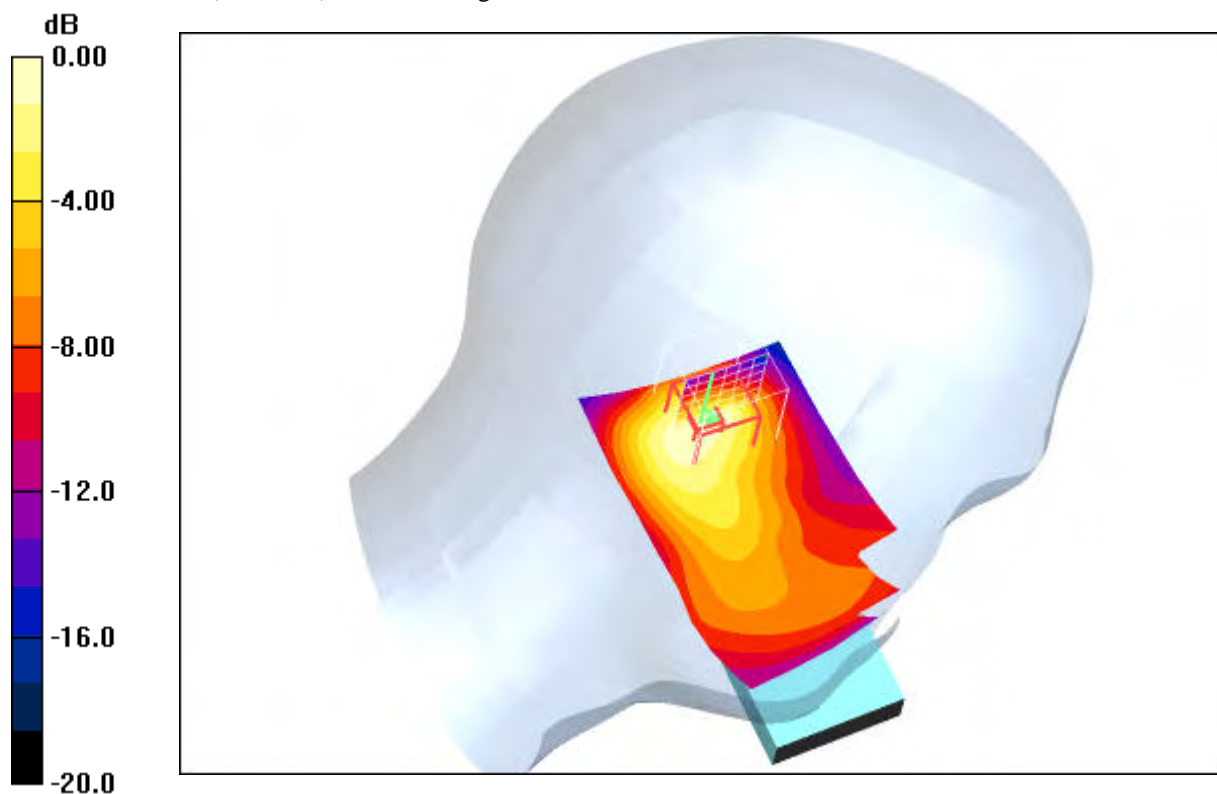
**Tilt position - Low/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 14.6 V/m; Power Drift = -0.034 dB

Peak SAR (extrapolated) = 0.511 W/kg

**SAR(1 g) = 0.289 mW/g; SAR(10 g) = 0.160 mW/g**

Maximum value of SAR (measured) = 0.322 mW/g



0 dB = 0.322mW/g

**Additional information:**

position or distance of DUT to SAM (if not standard head positions) :

ambient temperature: 23.3 °C; liquid temperature: 21.3 °C

Date/Time: 2008-11-03 18:05:05 Date/Time: 2008-11-03 18:12:37

**P1528\_OET65-LeftHandSide-GSM1900 open**

**DUT: Sony Ericsson; Type: AAD-3880006-BV; Serial: CB5114ZER0**

Communication System: PCS 1900; Frequency: 1880 MHz; Duty Cycle: 1:8

Medium: HSL1900 Medium parameters used:  $f = 1880 \text{ MHz}$ ;  $\sigma = 1.41 \text{ mho/m}$ ;  $\epsilon_r = 39.4$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1558; ConvF(4.96, 4.96, 4.96); Calibrated: 2008-08-15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn413; Calibrated: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

**Tilt position - Middle/Area Scan (51x91x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

**Tilt position - Middle/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,

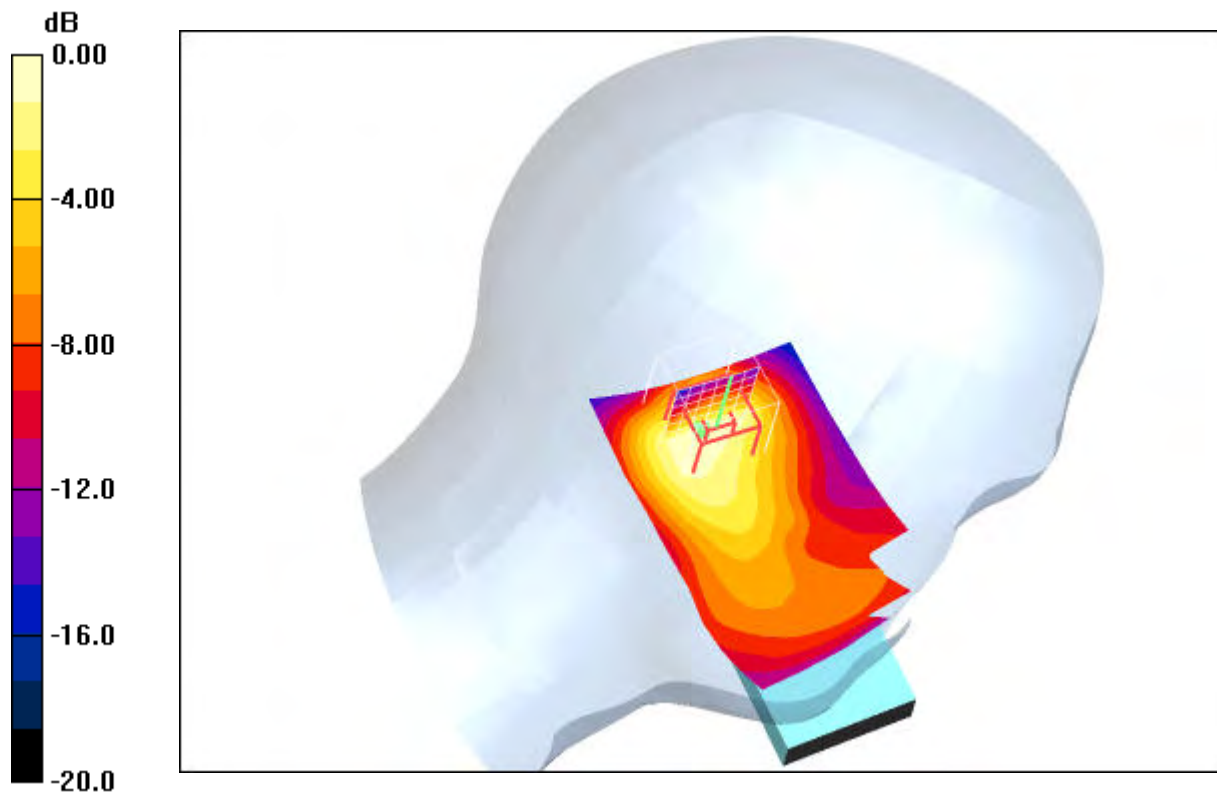
$dz=5\text{mm}$

Reference Value = 15.4 V/m; Power Drift = -0.030 dB

Peak SAR (extrapolated) = 0.598 W/kg

**SAR(1 g) = 0.330 mW/g; SAR(10 g) = 0.190 mW/g**

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



0 dB = 0.367mW/g

**Additional information:**

position or distance of DUT to SAM (if not standard head positions) :

ambient temperature: 23.3 °C; liquid temperature: 21.3 °C

Date/Time: 2008-11-03 17:42:45 Date/Time: 2008-11-03 17:49:27

**P1528\_OET65-LeftHandSide-GSM1900 open**

**DUT: Sony Ericsson; Type: AAD-3880006-BV; Serial: CB5114ZER0**

Communication System: PCS 1900; Frequency: 1909.8 MHz; Duty Cycle: 1:8

Medium: HSL1900 Medium parameters used:  $f = 1909.8 \text{ MHz}$ ;  $\sigma = 1.41 \text{ mho/m}$ ;  $\epsilon_r = 39.4$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1558; ConvF(4.96, 4.96, 4.96); Calibrated: 2008-08-15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn413; Calibrated: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

**Tilt position - High/Area Scan (51x91x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

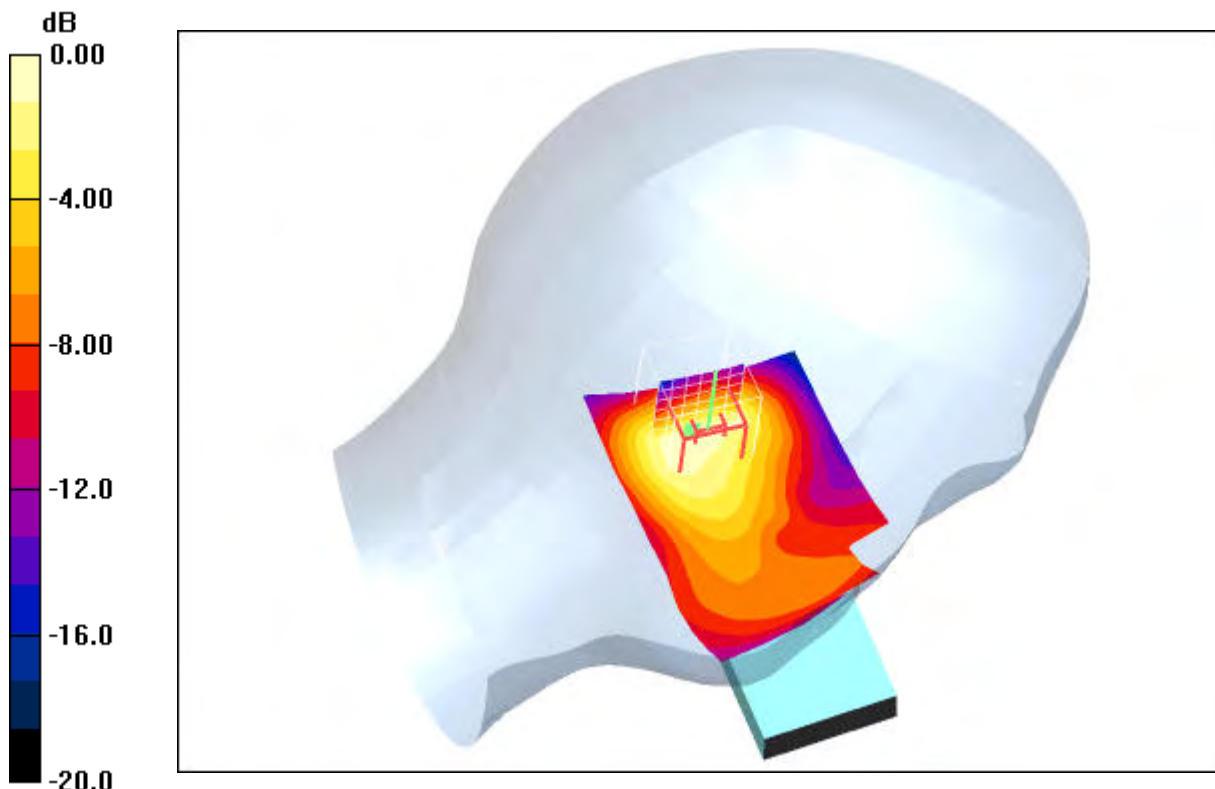
**Tilt position - High/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 17.3 V/m; Power Drift = 0.176 dB

Peak SAR (extrapolated) = 0.783 W/kg

**SAR(1 g) = 0.436 mW/g; SAR(10 g) = 0.253 mW/g**

Maximum value of SAR (measured) = 0.487 mW/g



0 dB = 0.487mW/g

**Additional information:**

position or distance of DUT to SAM (if not standard head positions) :

ambient temperature: 23.3 °C; liquid temperature: 21.3 °C

Date/Time: 2008-11-03 10:51:15 Date/Time: 2008-11-03 10:56:53

**P1528\_OET65-RightHandSide-GSM1900**

**DUT: Sony Ericsson; Type: AAD-3880006-BV; Serial: CB5114ZER0**

Communication System: PCS 1900; Frequency: 1850.2 MHz; Duty Cycle: 1:8

Medium: HSL1900 Medium parameters used:  $f = 1850.2 \text{ MHz}$ ;  $\sigma = 1.41 \text{ mho/m}$ ;  $\epsilon_r = 39.4$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1558; ConvF(4.96, 4.96, 4.96); Calibrated: 2008-08-15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn413; Calibrated: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

**Touch position - Low/Area Scan (51x71x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 0.750 mW/g

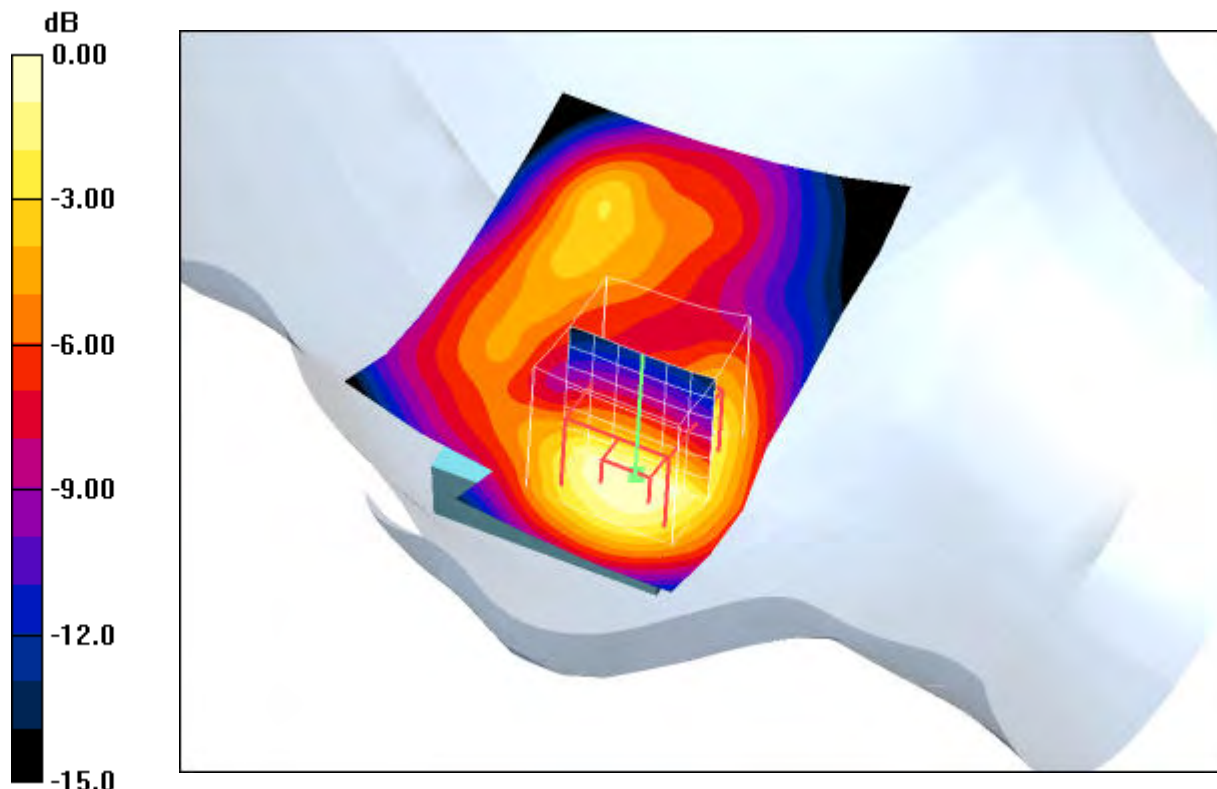
**Touch position - Low/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 21.8 V/m; Power Drift = -0.019 dB

Peak SAR (extrapolated) = 1.15 W/kg

**SAR(1 g) = 0.631 mW/g; SAR(10 g) = 0.351 mW/g**

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



0 dB = 0.694mW/g

**Additional information:**

position or distance of DUT to SAM (if not standard head positions) :

ambient temperature: 22.8°C; liquid temperature: 22.1°C

Date/Time: 2008-11-03 11:13:21 Date/Time: 2008-11-03 11:18:51

**P1528\_OET65-RightHandSide-GSM1900**

**DUT: Sony Ericsson; Type: AAD-3880006-BV; Serial: CB5114ZER0**

Communication System: PCS 1900; Frequency: 1880 MHz; Duty Cycle: 1:8

Medium: HSL1900 Medium parameters used:  $f = 1880 \text{ MHz}$ ;  $\sigma = 1.41 \text{ mho/m}$ ;  $\epsilon_r = 39.4$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1558; ConvF(4.96, 4.96, 4.96); Calibrated: 2008-08-15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection) Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn413; Calibrated: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

**Touch position - Middle/Area Scan (51x71x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$   
 Maximum value of SAR (interpolated) = 1.09 mW/g

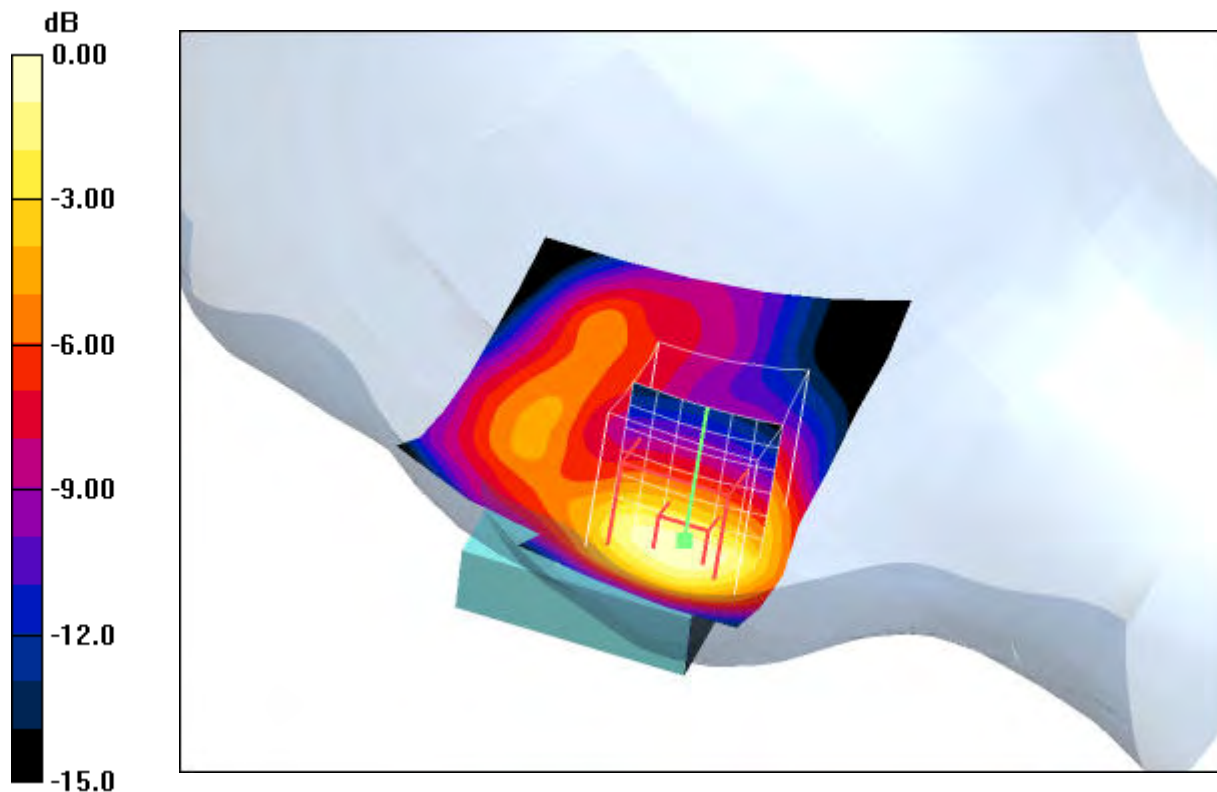
**Touch position - Middle/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 26.6 V/m; Power Drift = -0.032 dB

Peak SAR (extrapolated) = 1.63 W/kg

**SAR(1 g) = 0.897 mW/g; SAR(10 g) = 0.498 mW/g**

Maximum value of SAR (measured) = 0.993 mW/g



0 dB = 0.993mW/g

**Additional information:**

position or distance of DUT to SAM (if not standard head positions) :

ambient temperature: 22.8°C; liquid temperature: 22.1°C

Date/Time: 2008-11-03 11:34:04 Date/Time: 2008-11-03 11:39:37

**P1528\_OET65-RightHandSide-GSM1900**

**DUT: Sony Ericsson; Type: AAD-3880006-BV; Serial: CB5114ZER0**

Communication System: PCS 1900; Frequency: 1909.8 MHz; Duty Cycle: 1:8

Medium: HSL1900 Medium parameters used:  $f = 1909.8 \text{ MHz}$ ;  $\sigma = 1.41 \text{ mho/m}$ ;  $\epsilon_r = 39.4$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1558; ConvF(4.96, 4.96, 4.96); Calibrated: 2008-08-15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn413; Calibrated: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

**Touch position - High/Area Scan (51x71x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 1.31 mW/g

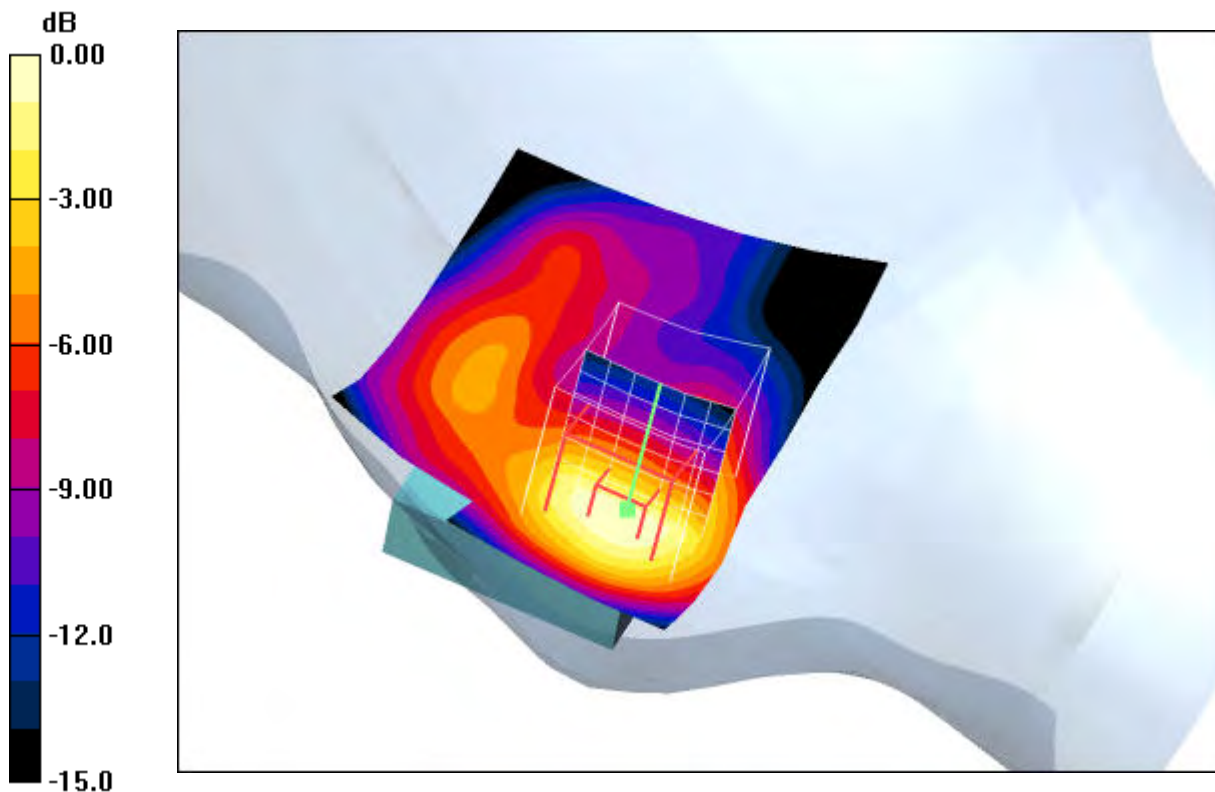
**Touch position - High/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 28.8 V/m; Power Drift = -0.027 dB

Peak SAR (extrapolated) = 2.05 W/kg

**SAR(1 g) = 1.12 mW/g; SAR(10 g) = 0.620 mW/g**

Maximum value of SAR (measured) = 1.21 mW/g



0 dB = 1.21mW/g

**Additional information:**

position or distance of DUT to SAM (if not standard head positions) :

ambient temperature: 22.8°C; liquid temperature: 22.1°C

Date/Time: 2008-11-03 12:14:19 Date/Time: 2008-11-03 12:20:22

**P1528\_OET65-RightHandSide-GSM1900**

**DUT: Sony Ericsson; Type: AAD-3880006-BV; Serial: CB5114ZER0**

Communication System: PCS 1900; Frequency: 1850.2 MHz; Duty Cycle: 1:8

Medium: HSL1900 Medium parameters used:  $f = 1850.2 \text{ MHz}$ ;  $\sigma = 1.41 \text{ mho/m}$ ;  $\epsilon_r = 39.4$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1558; ConvF(4.96, 4.96, 4.96); Calibrated: 2008-08-15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn413; Calibrated: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

**Tilt position - Low/Area Scan (51x81x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 0.406 mW/g

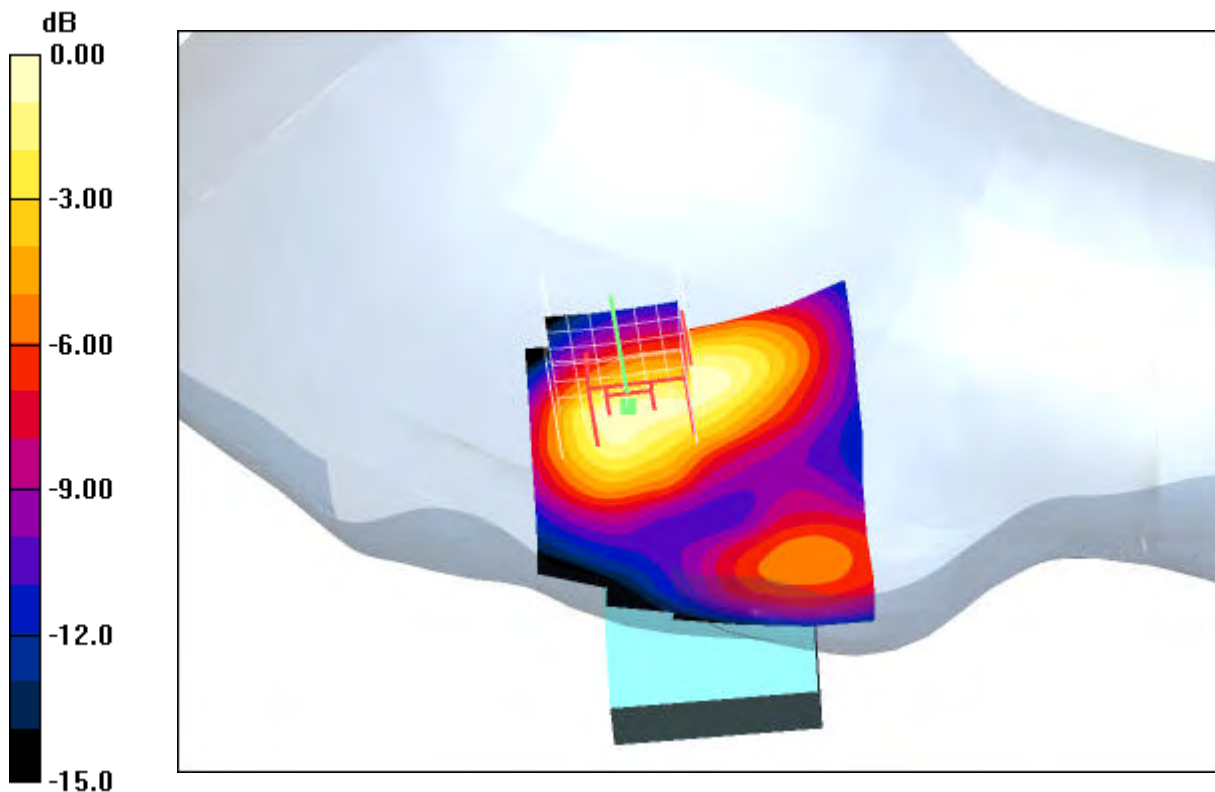
**Tilt position - Low/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 15.9 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.625 W/kg

**SAR(1 g) = 0.320 mW/g; SAR(10 g) = 0.190 mW/g**

Maximum value of SAR (measured) = 0.345 mW/g



0 dB = 0.345mW/g

**Additional information:**

position or distance of DUT to SAM (if not standard head positions) :

ambient temperature: 22.8°C; liquid temperature: 22.1°C



Date/Time: 2008-11-03 12:33:58 Date/Time: 2008-11-03 12:40:01

**P1528\_OET65-RightHandSide-GSM1900**

**DUT: Sony Ericsson; Type: AAD-3880006-BV; Serial: CB5114ZER0**

Communication System: PCS 1900; Frequency: 1880 MHz; Duty Cycle: 1:8

Medium: HSL1900 Medium parameters used:  $f = 1880 \text{ MHz}$ ;  $\sigma = 1.41 \text{ mho/m}$ ;  $\epsilon_r = 39.4$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1558; ConvF(4.96, 4.96, 4.96); Calibrated: 2008-08-15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn413; Calibrated: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

**Tilt position - Middle/Area Scan (51x81x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 0.459 mW/g

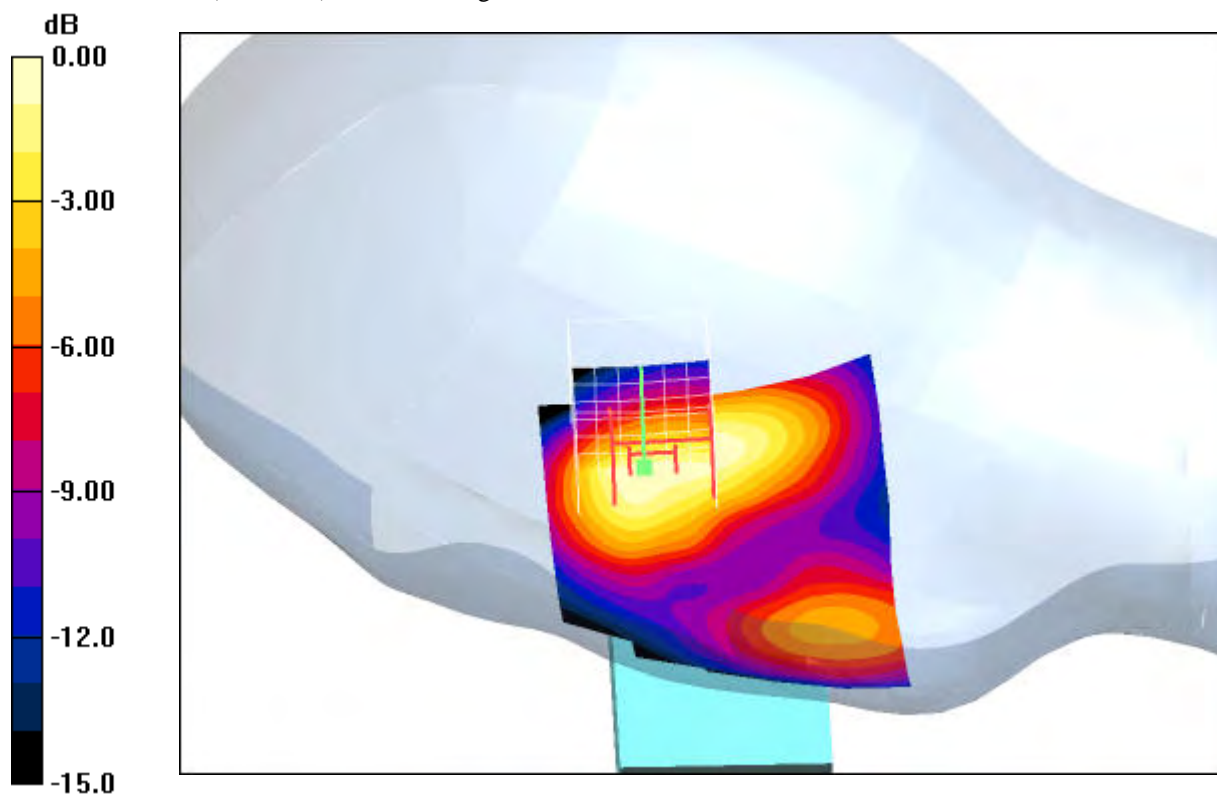
**Tilt position - Middle/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 16.9 V/m; Power Drift = -0.050 dB

Peak SAR (extrapolated) = 0.691 W/kg

**SAR(1 g) = 0.362 mW/g; SAR(10 g) = 0.213 mW/g**

Maximum value of SAR (measured) = 0.389 mW/g



0 dB = 0.389mW/g

**Additional information:**

position or distance of DUT to SAM (if not standard head positions) :

ambient temperature: 22.8°C; liquid temperature: 22.1°C

Date/Time: 2008-11-03 11:54:48 Date/Time: 2008-11-03 12:00:48

**P1528\_OET65-RightHandSide-GSM1900**

**DUT: Sony Ericsson; Type: AAD-3880006-BV; Serial: CB5114ZER0**

Communication System: PCS 1900; Frequency: 1909.8 MHz; Duty Cycle: 1:8

Medium: HSL1900 Medium parameters used:  $f = 1909.8 \text{ MHz}$ ;  $\sigma = 1.41 \text{ mho/m}$ ;  $\epsilon_r = 39.4$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1558; ConvF(4.96, 4.96, 4.96); Calibrated: 2008-08-15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn413; Calibrated: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

**Tilt position - High/Area Scan (51x81x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 0.483 mW/g

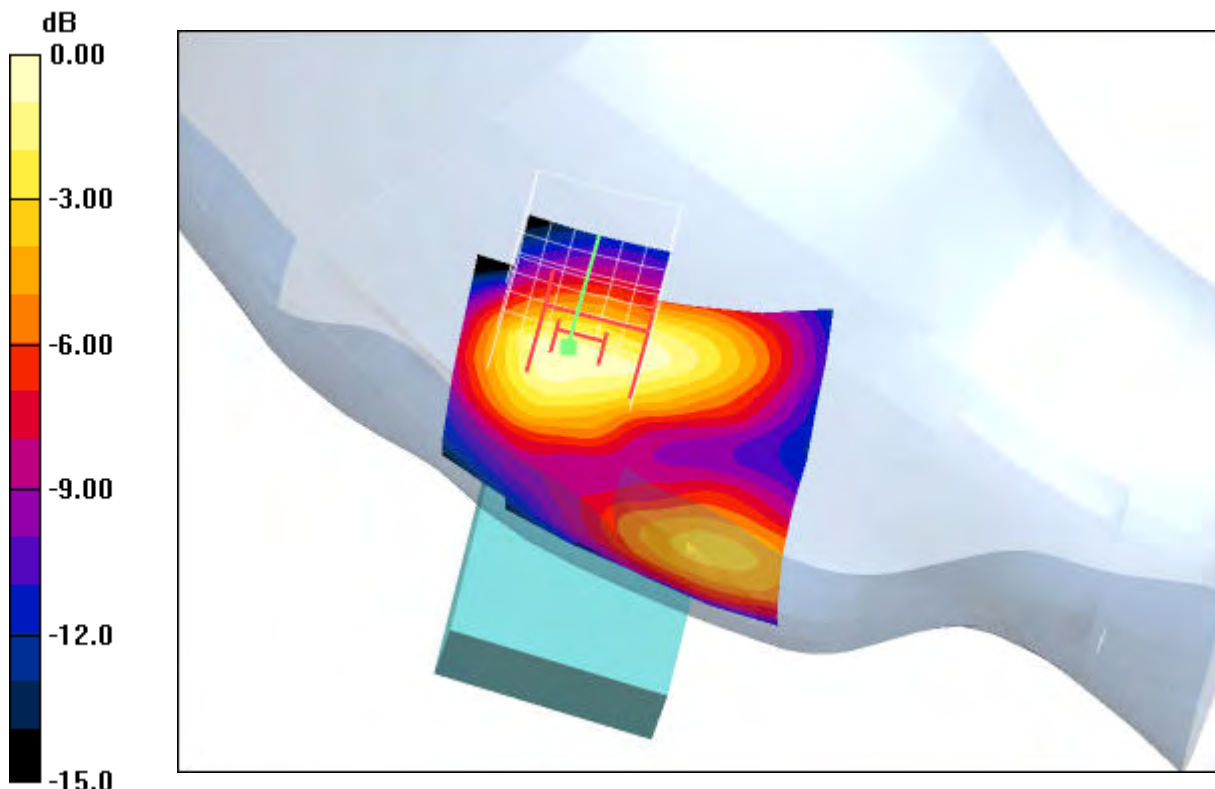
**Tilt position - High/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 17.1 V/m; Power Drift = 0.011 dB

Peak SAR (extrapolated) = 0.682 W/kg

**SAR(1 g) = 0.374 mW/g; SAR(10 g) = 0.221 mW/g**

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



0 dB = 0.408mW/g

**Additional information:**

position or distance of DUT to SAM (if not standard head positions) :

ambient temperature: 22.8°C; liquid temperature: 22.1°C

Date/Time: 2008-11-03 14:21:51 Date/Time: 2008-11-03 14:28:13

**P1528\_OET65-RightHandSide-GSM1900 open**

**DUT: Sony Ericsson; Type: AAD-3880006-BV; Serial: CB5114ZER0**

Communication System: PCS 1900; Frequency: 1850.2 MHz; Duty Cycle: 1:8

Medium: HSL1900 Medium parameters used:  $f = 1850.2 \text{ MHz}$ ;  $\sigma = 1.41 \text{ mho/m}$ ;  $\epsilon_r = 39.4$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1558; ConvF(4.96, 4.96, 4.96); Calibrated: 2008-08-15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn413; Calibrated: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

**Touch position - Low/Area Scan (51x91x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

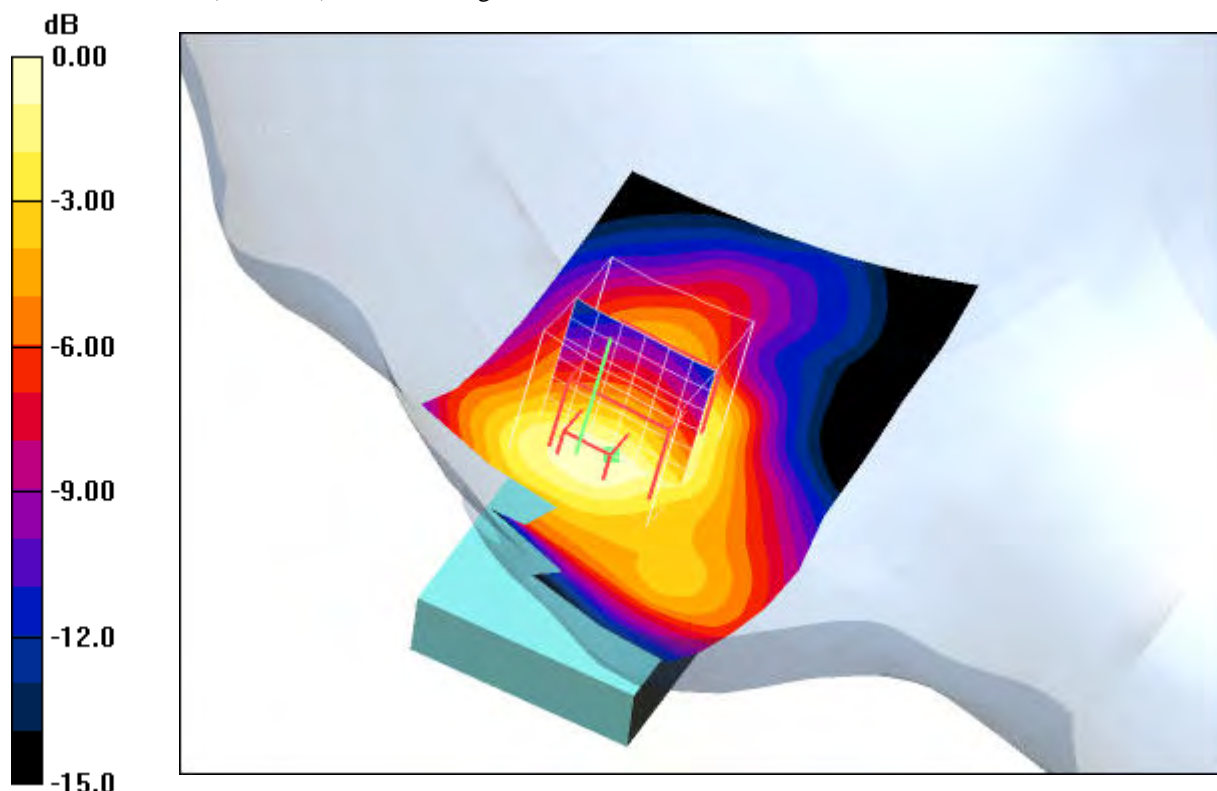
**Touch position - Low/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 19.7 V/m; Power Drift = 0.013 dB

Peak SAR (extrapolated) = 0.892 W/kg

**SAR(1 g) = 0.518 mW/g; SAR(10 g) = 0.318 mW/g**

Maximum value of SAR (measured) = 0.562 mW/g



0 dB = 0.562mW/g

**Additional information:**

position or distance of DUT to SAM (if not standard head positions) :

ambient temperature: 22.8°C; liquid temperature: 22.1°C

Date/Time: 2008-11-03 14:43:26 Date/Time: 2008-11-03 14:49:46

**P1528\_OET65-RightHandSide-GSM1900 open**

**DUT: Sony Ericsson; Type: AAD-3880006-BV; Serial: CB5114ZER0**

Communication System: PCS 1900; Frequency: 1880 MHz; Duty Cycle: 1:8

Medium: HSL1900 Medium parameters used:  $f = 1880 \text{ MHz}$ ;  $\sigma = 1.41 \text{ mho/m}$ ;  $\epsilon_r = 39.4$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1558; ConvF(4.96, 4.96, 4.96); Calibrated: 2008-08-15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection) Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn413; Calibrated: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

**Touch position - Middle/Area Scan (51x91x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 0.573 mW/g

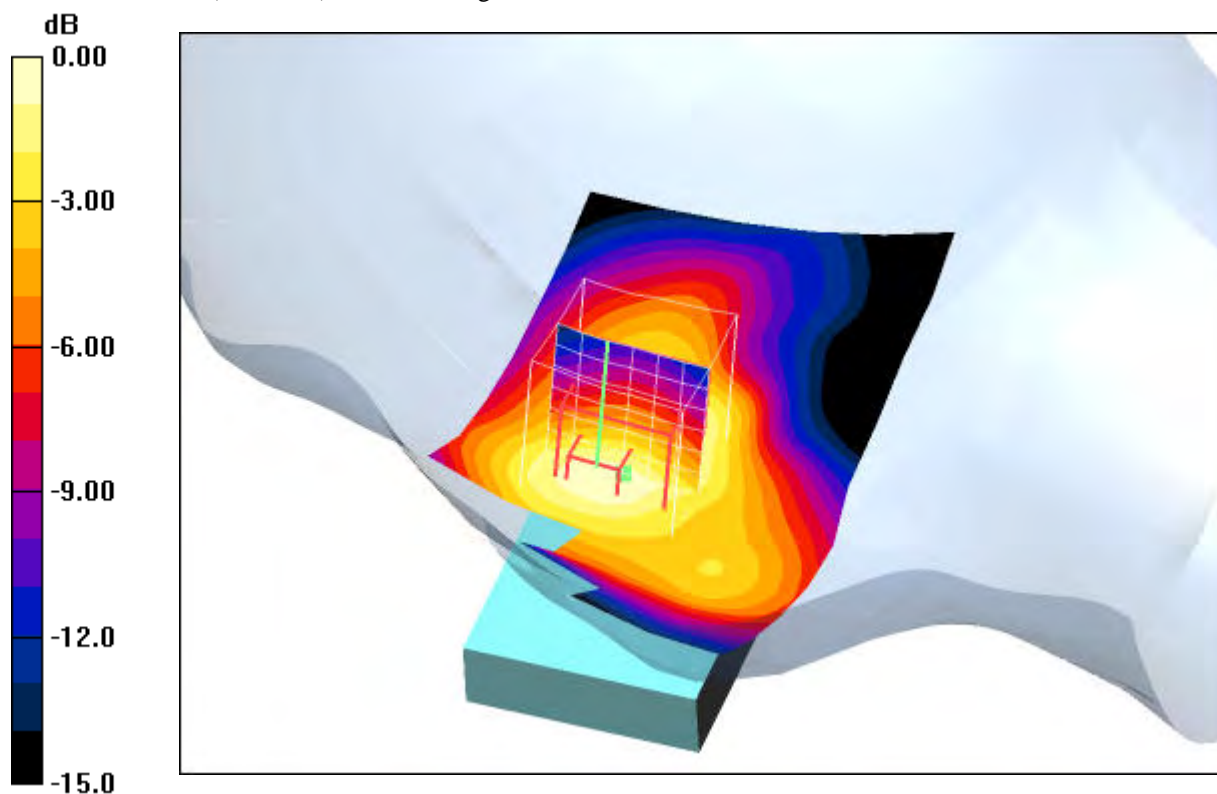
**Touch position - Middle/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 20.8 V/m; Power Drift = -0.025 dB

Peak SAR (extrapolated) = 0.976 W/kg

SAR(1 g) = 0.564 mW/g; SAR(10 g) = 0.343 mW/g

Maximum value of SAR (measured) = 0.615 mW/g



0 dB = 0.615mW/g

**Additional information:**

position or distance of DUT to SAM (if not standard head positions) :

ambient temperature: 22.8°C; liquid temperature: 22.1°C

Date/Time: 2008-11-03 14:00:49 Date/Time: 2008-11-03 14:07:04

**P1528\_OET65-RightHandSide-GSM1900 open**

**DUT: Sony Ericsson; Type: AAD-3880006-BV; Serial: CB5114ZER0**

Communication System: PCS 1900; Frequency: 1909.8 MHz; Duty Cycle: 1:8

Medium: HSL1900 Medium parameters used:  $f = 1909.8 \text{ MHz}$ ;  $\sigma = 1.41 \text{ mho/m}$ ;  $\epsilon_r = 39.4$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1558; ConvF(4.96, 4.96, 4.96); Calibrated: 2008-08-15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn413; Calibrated: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

**Touch position - High/Area Scan (51x91x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 0.657 mW/g

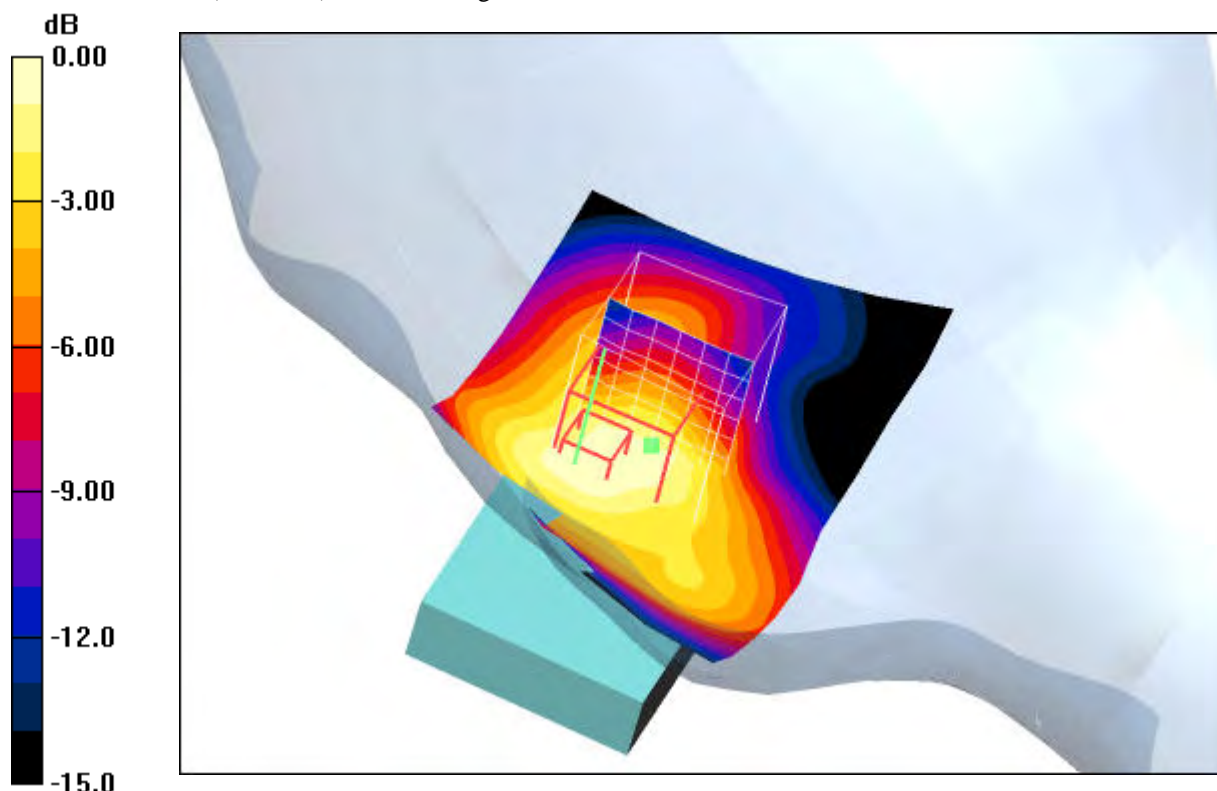
**Touch position - High/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 21.9 V/m; Power Drift = -0.015 dB

Peak SAR (extrapolated) = 1.14 W/kg

**SAR(1 g) = 0.623 mW/g; SAR(10 g) = 0.391 mW/g**

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



0 dB = 0.717mW/g

**Additional information:**

position or distance of DUT to SAM (if not standard head positions) :

ambient temperature: 22.8°C; liquid temperature: 22.1°C

Date/Time: 2008-11-03 12:57:16 Date/Time: 2008-11-03 13:03:33

**P1528\_OET65-RightHandSide-GSM1900 open**

**DUT: Sony Ericsson; Type: AAD-3880006-BV; Serial: CB5114ZER0**

Communication System: PCS 1900; Frequency: 1850.2 MHz; Duty Cycle: 1:8

Medium: HSL1900 Medium parameters used:  $f = 1850.2 \text{ MHz}$ ;  $\sigma = 1.41 \text{ mho/m}$ ;  $\epsilon_r = 39.4$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1558; ConvF(4.96, 4.96, 4.96); Calibrated: 2008-08-15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn413; Calibrated: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

**Tilt position - Low/Area Scan (51x91x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

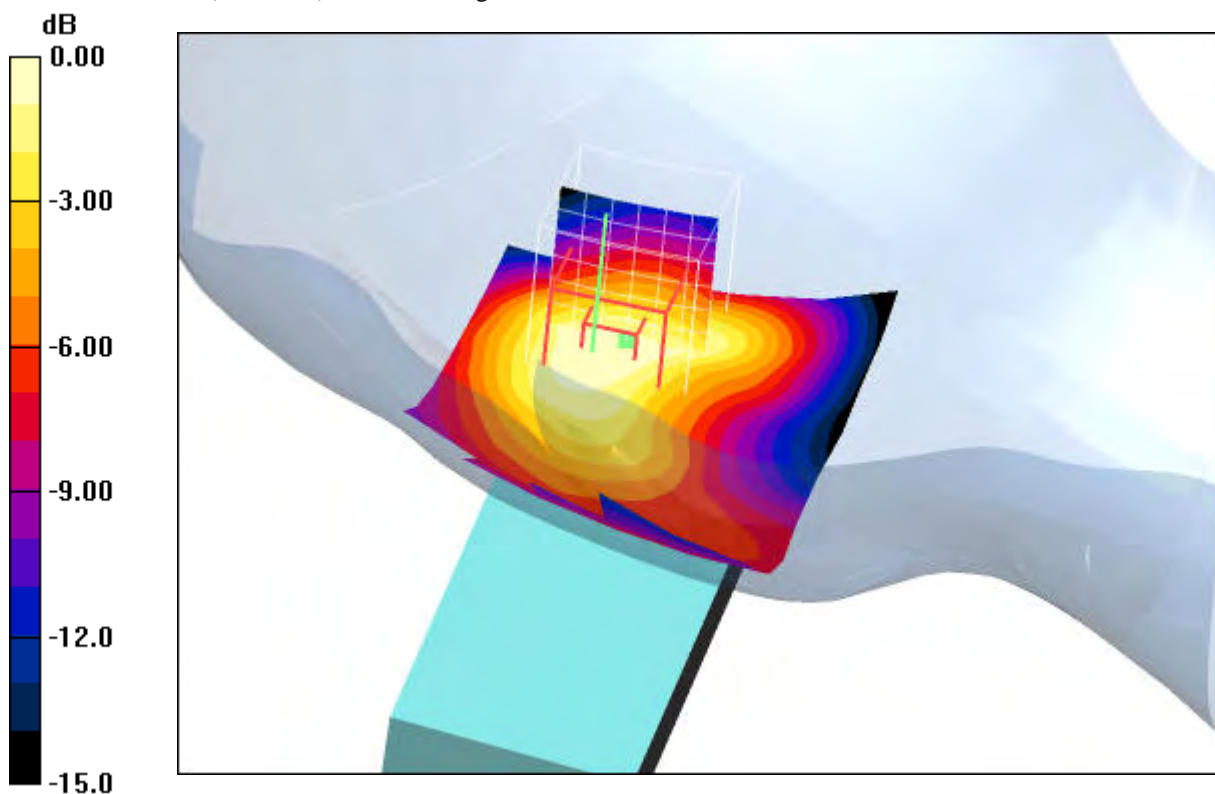
**Tilt position - Low/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 14.0 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.536 W/kg

**SAR(1 g) = 0.276 mW/g; SAR(10 g) = 0.165 mW/g**

Maximum value of SAR (measured) = 0.296 mW/g



0 dB = 0.296mW/g

**Additional information:**

position or distance of DUT to SAM (if not standard head positions) :

ambient temperature: 22.8°C; liquid temperature: 22.1°C

Date/Time: 2008-11-03 13:17:08 Date/Time: 2008-11-03 13:24:09

**P1528\_OET65-RightHandSide-GSM1900 open**

**DUT: Sony Ericsson; Type: AAD-3880006-BV; Serial: CB5114ZER0**

Communication System: PCS 1900; Frequency: 1880 MHz; Duty Cycle: 1:8

Medium: HSL1900 Medium parameters used:  $f = 1880 \text{ MHz}$ ;  $\sigma = 1.41 \text{ mho/m}$ ;  $\epsilon_r = 39.4$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1558; ConvF(4.96, 4.96, 4.96); Calibrated: 2008-08-15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn413; Calibrated: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

**Tilt position - Middle/Area Scan (51x91x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 0.437 mW/g

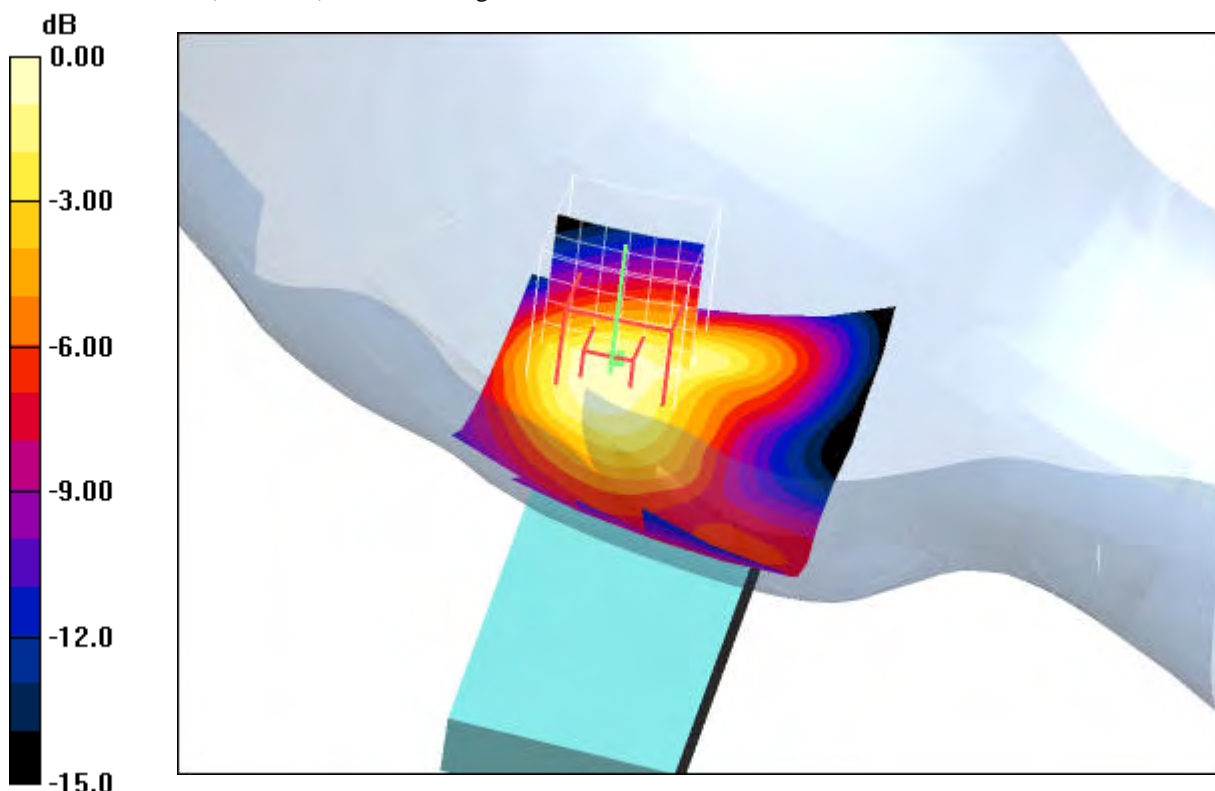
**Tilt position - Middle/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 15.4 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 0.685 W/kg

**SAR(1 g) = 0.346 mW/g; SAR(10 g) = 0.208 mW/g**

Maximum value of SAR (measured) = 0.374 mW/g



0 dB = 0.374mW/g

**Additional information:**

position or distance of DUT to SAM (if not standard head positions) :

ambient temperature: 22.8°C; liquid temperature: 22.1°C

Date/Time: 2008-11-03 13:38:40 Date/Time: 2008-11-03 13:45:03

**P1528\_OET65-RightHandSide-GSM1900 open**

**DUT: Sony Ericsson; Type: AAD-3880006-BV; Serial: CB5114ZER0**

Communication System: PCS 1900; Frequency: 1909.8 MHz; Duty Cycle: 1:8

Medium: HSL1900 Medium parameters used:  $f = 1909.8 \text{ MHz}$ ;  $\sigma = 1.41 \text{ mho/m}$ ;  $\epsilon_r = 39.4$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1558; ConvF(4.96, 4.96, 4.96); Calibrated: 2008-08-15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn413; Calibrated: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

**Tilt position - High/Area Scan (51x91x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 0.637 mW/g

**Tilt position - High/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,

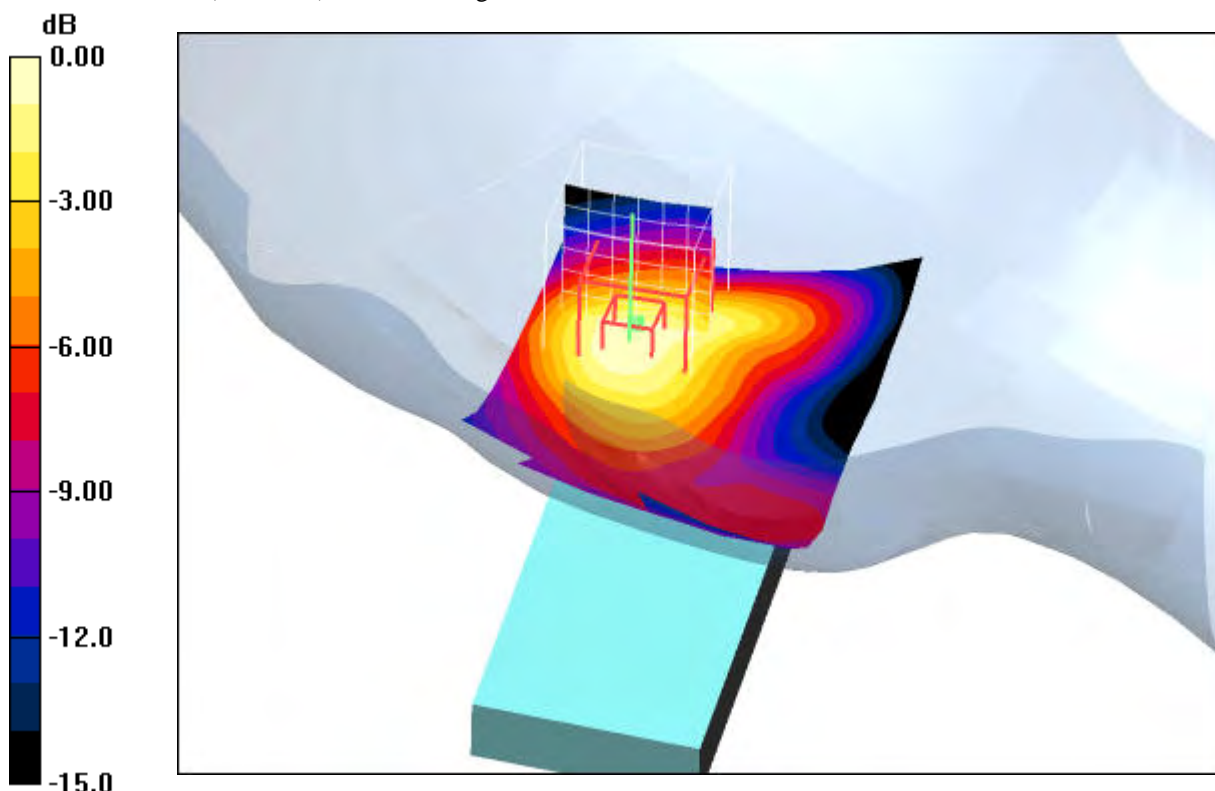
$dz=5\text{mm}$

Reference Value = 18.7 V/m; Power Drift = -0.019 dB

Peak SAR (extrapolated) = 0.966 W/kg

**SAR(1 g) = 0.495 mW/g; SAR(10 g) = 0.288 mW/g**

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



0 dB = 0.546mW/g

**Additional information:**

position or distance of DUT to SAM (if not standard head positions) :

ambient temperature: 22.8°C; liquid temperature: 22.1°C



**Annex 2.4 PCS 1900 MHz body**

Date/Time: 2008-11-04 17:46:24 Date/Time: 2008-11-04 17:52:22

**P1528\_OET65-Body-GSM1900 GPRS 2TS**

**DUT: Sony Ericsson; Type: AAD-3880006-BV; Serial: CB5114ZERO**

Communication System: PCS 1900 GPRS 2TS; Frequency: 1850.2 MHz; Duty Cycle: 1:4

Medium: M1900 Medium parameters used:  $f = 1850.2 \text{ MHz}$ ;  $\sigma = 1.52 \text{ mho/m}$ ;  $\epsilon_r = 52.7$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1558; ConvF(4.39, 4.39, 4.39); Calibrated: 2008-08-15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn413; Calibrated: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

**Front position - Low/Area Scan (51x81x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 0.225 mW/g

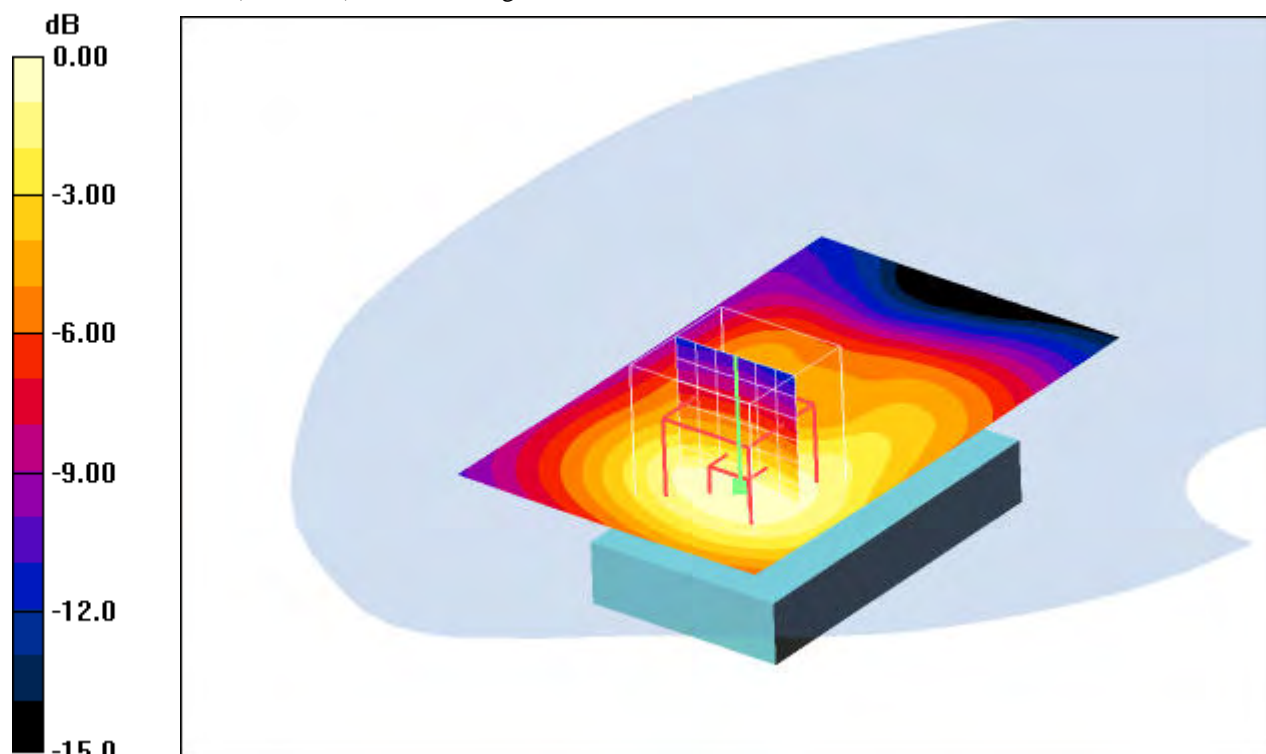
**Front position - Low/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 12.5 V/m; Power Drift = -0.088 dB

Peak SAR (extrapolated) = 0.341 W/kg

**SAR(1 g) = 0.207 mW/g; SAR(10 g) = 0.130 mW/g**

Maximum value of SAR (measured) = 0.221 mW/g



0 dB = 0.221mW/g

**Additional information:**

position or distance of DUT to SAM : 15 mm

ambient temperature: 22.8°C; liquid temperature: 21.7°C

Date/Time: 2008-11-04 18:07:06 Date/Time: 2008-11-04 18:12:58

**P1528\_OET65-Body-GSM1900 GPRS 2TS**

**DUT: Sony Ericsson; Type: AAD-3880006-BV; Serial: CB5114ZER0**

Communication System: PCS 1900 GPRS 2TS; Frequency: 1880 MHz; Duty Cycle: 1:4

Medium: M1900 Medium parameters used:  $f = 1880 \text{ MHz}$ ;  $\sigma = 1.52 \text{ mho/m}$ ;  $\epsilon_r = 52.7$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1558; ConvF(4.39, 4.39, 4.39); Calibrated: 2008-08-15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn413; Calibrated: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

**Front position - Middle/Area Scan (51x81x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 0.274 mW/g

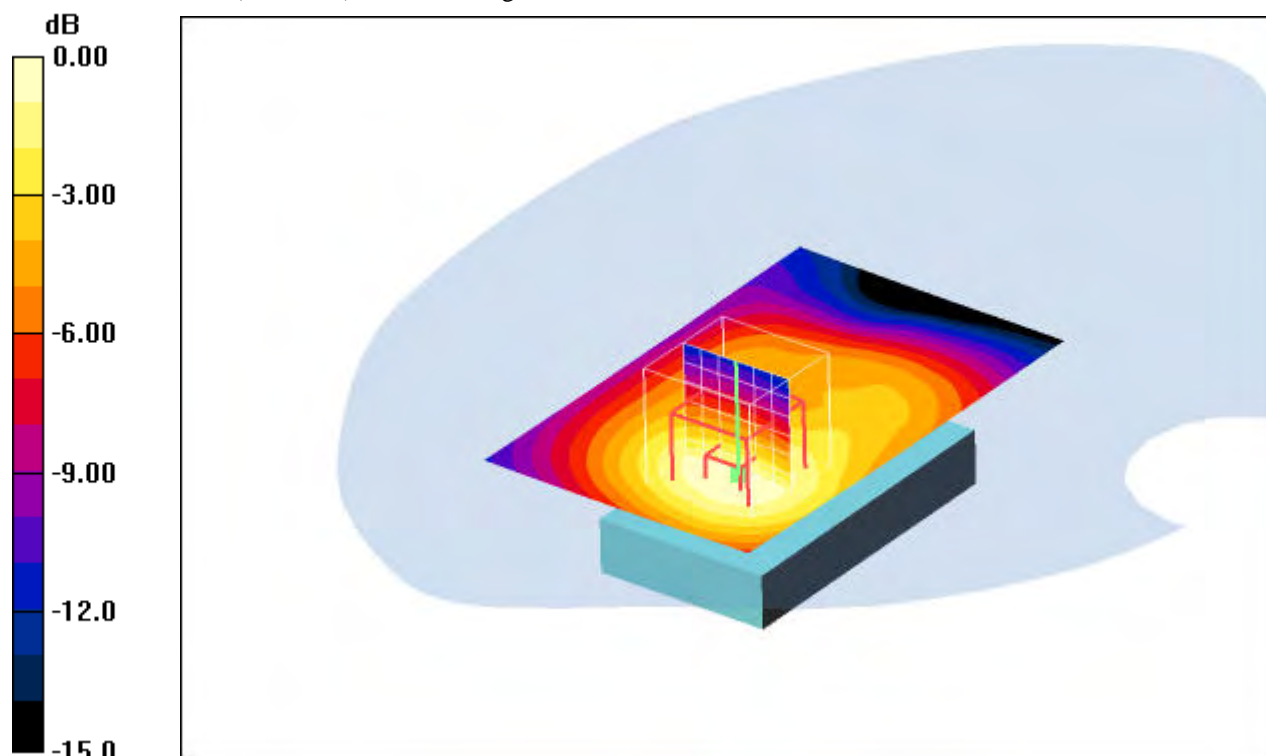
**Front position - Middle/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 13.8 V/m; Power Drift = 0.042 dB

Peak SAR (extrapolated) = 0.429 W/kg

SAR(1 g) = 0.254 mW/g; SAR(10 g) = 0.157 mW/g

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



0 dB = 0.271mW/g

**Additional information:**

position or distance of DUT to SAM : 15 mm

ambient temperature: 22.8°C; liquid temperature: 21.7°C

Date/Time: 2008-11-04 18:27:01 Date/Time: 2008-11-04 18:33:05

**P1528\_OET65-Body-GSM1900 GPRS 2TS**

**DUT: Sony Ericsson; Type: AAD-3880006-BV; Serial: CB5114ZER0**

Communication System: PCS 1900 GPRS 2TS; Frequency: 1909.8 MHz; Duty Cycle: 1:4

Medium: M1900 Medium parameters used:  $f = 1909.8 \text{ MHz}$ ;  $\sigma = 1.52 \text{ mho/m}$ ;  $\epsilon_r = 52.7$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1558; ConvF(4.39, 4.39, 4.39); Calibrated: 2008-08-15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn413; Calibrated: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

**Front position - High/Area Scan (51x81x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 0.322 mW/g

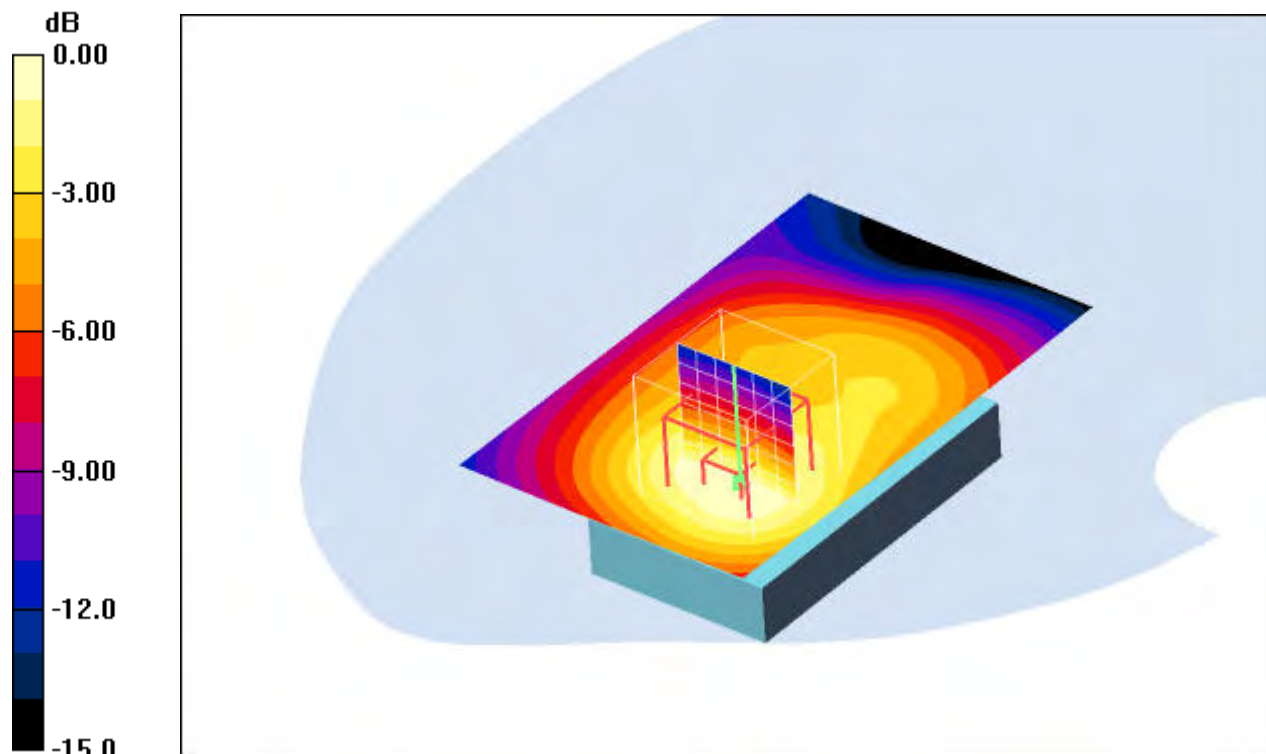
**Front position - High/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 14.8 V/m; Power Drift = -0.011 dB

Peak SAR (extrapolated) = 0.498 W/kg

**SAR(1 g) = 0.293 mW/g; SAR(10 g) = 0.181 mW/g**

Maximum value of SAR (measured) = 0.314 mW/g



0 dB = 0.314mW/g

**Additional information:**

position or distance of DUT to SAM : 15 mm

ambient temperature: 22.8°C; liquid temperature: 21.7°C

Date/Time: 2008-11-04 18:55:15 Date/Time: 2008-11-04 19:01:12

**P1528\_OET65-Body-GSM1900 GPRS 2TS**

**DUT: Sony Ericsson; Type: AAD-3880006-BV; Serial: CB5114ZER0**

Communication System: PCS 1900 GPRS 2TS; Frequency: 1850.2 MHz; Duty Cycle: 1:4

Medium: M1900 Medium parameters used:  $f = 1850.2 \text{ MHz}$ ;  $\sigma = 1.52 \text{ mho/m}$ ;  $\epsilon_r = 52.7$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1558; ConvF(4.39, 4.39, 4.39); Calibrated: 2008-08-15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn413; Calibrated: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

**Rear position - Low/Area Scan (51x81x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

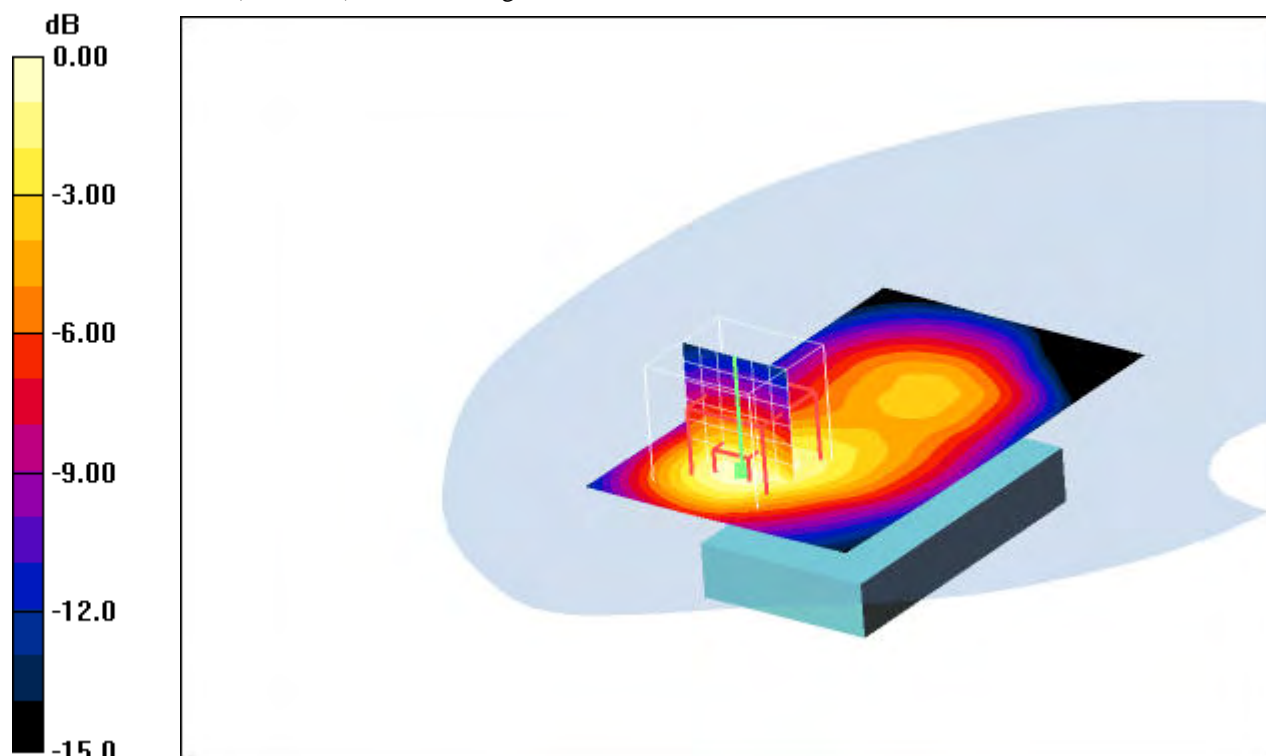
**Rear position - Low/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 18.8 V/m; Power Drift = 0.041 dB

Peak SAR (extrapolated) = 0.870 W/kg

**SAR(1 g) = 0.478 mW/g; SAR(10 g) = 0.273 mW/g**

Maximum value of SAR (measured) = 0.523 mW/g



0 dB = 0.523mW/g

**Additional information:**

position or distance of DUT to SAM : 15 mm

ambient temperature: 22.8°C; liquid temperature: 21.7°C

Date/Time: 2008-11-04 19:16:42 Date/Time: 2008-11-04 19:22:57

**P1528\_OET65-Body-GSM1900 GPRS 2TS**

**DUT: Sony Ericsson; Type: AAD-3880006-BV; Serial: CB5114ZER0**

Communication System: PCS 1900 GPRS 2TS; Frequency: 1880 MHz; Duty Cycle: 1:4

Medium: M1900 Medium parameters used:  $f = 1880 \text{ MHz}$ ;  $\sigma = 1.52 \text{ mho/m}$ ;  $\epsilon_r = 52.7$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1558; ConvF(4.39, 4.39, 4.39); Calibrated: 2008-08-15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn413; Calibrated: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

**Rear position - Middle/Area Scan (51x81x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 0.622 mW/g

**Rear position - Middle/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,

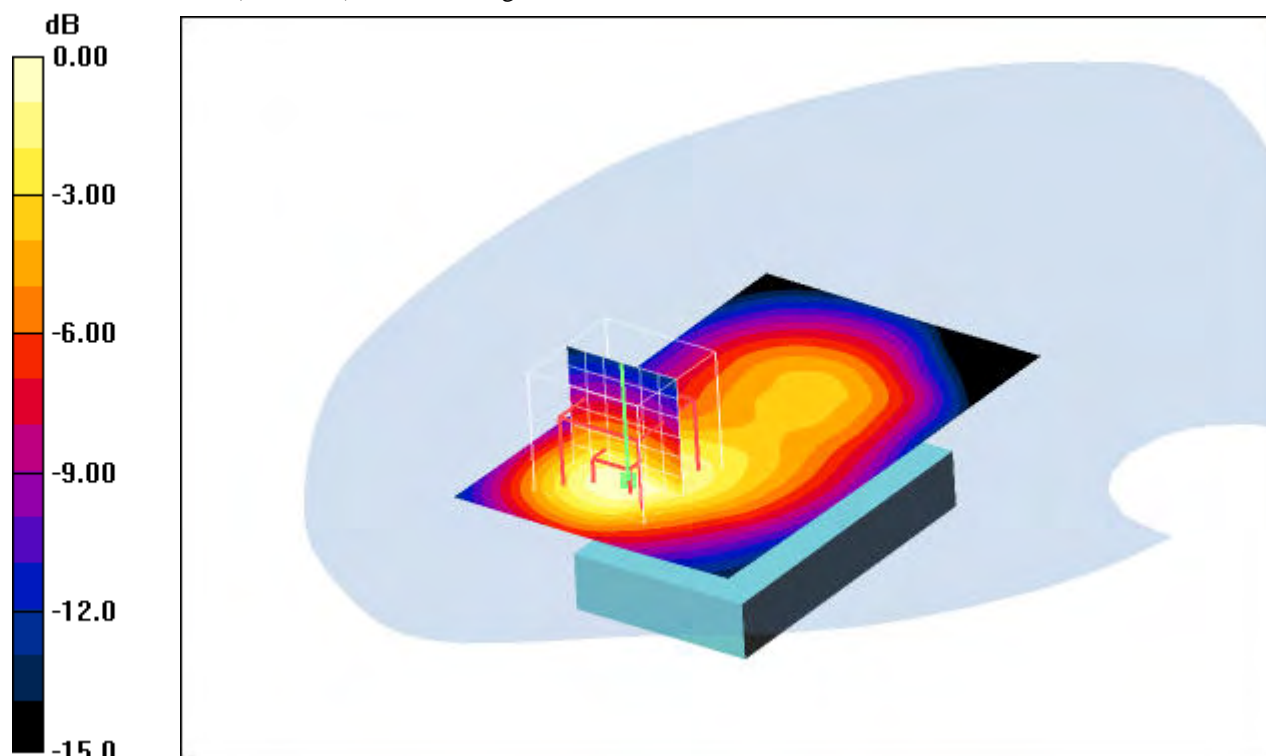
$dz=5\text{mm}$

Reference Value = 21.1 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 1.07 W/kg

**SAR(1 g) = 0.588 mW/g; SAR(10 g) = 0.337 mW/g**

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



0 dB = 0.639mW/g

**Additional information:**

position or distance of DUT to SAM : 15 mm

ambient temperature: 22.8°C; liquid temperature: 21.7°C

Date/Time: 2008-11-04 19:38:37 Date/Time: 2008-11-04 19:44:42

**P1528\_OET65-Body-GSM1900 GPRS 2TS**

**DUT: Sony Ericsson; Type: AAD-3880006-BV; Serial: CB5114ZER0**

Communication System: PCS 1900 GPRS 2TS; Frequency: 1909.8 MHz; Duty Cycle: 1:4

Medium: M1900 Medium parameters used:  $f = 1909.8 \text{ MHz}$ ;  $\sigma = 1.52 \text{ mho/m}$ ;  $\epsilon_r = 52.7$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1558; ConvF(4.39, 4.39, 4.39); Calibrated: 2008-08-15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn413; Calibrated: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

**Rear position -High/Area Scan (51x81x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 0.710 mW/g

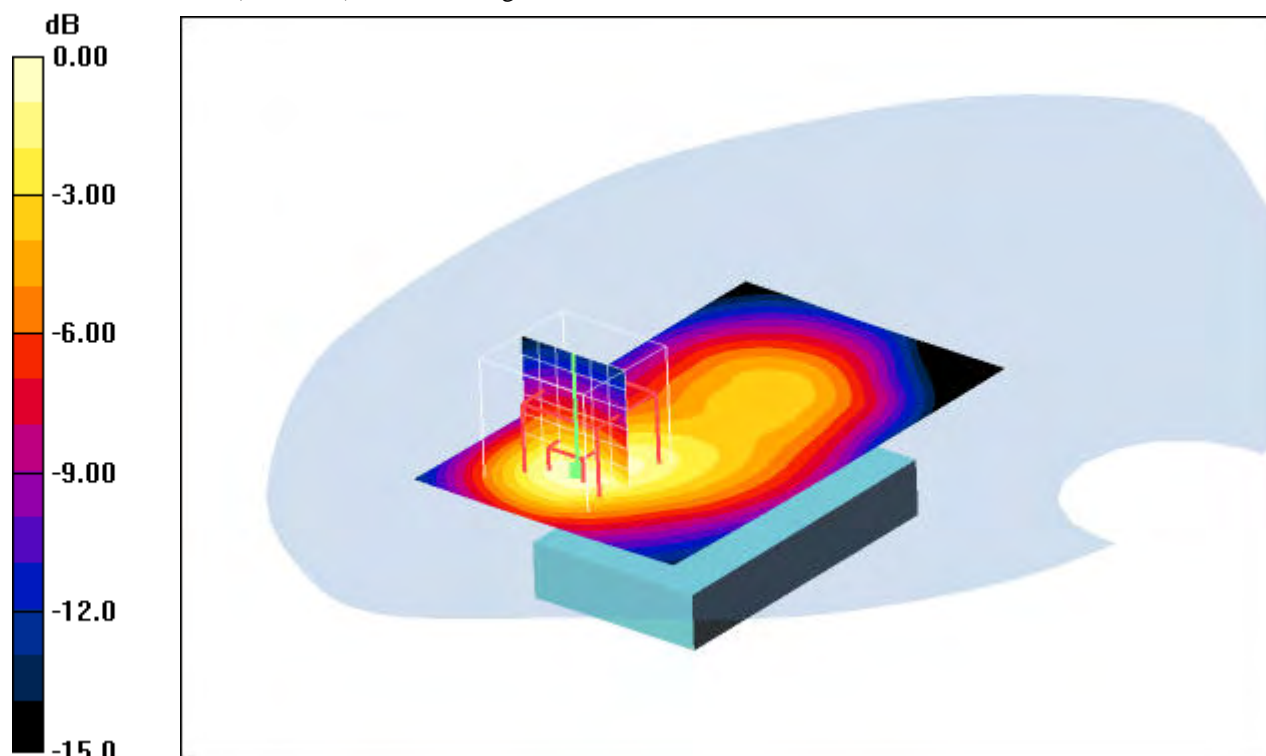
**Rear position -High/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 22.6 V/m; Power Drift = -0.031 dB

Peak SAR (extrapolated) = 1.27 W/kg

**SAR(1 g) = 0.680 mW/g; SAR(10 g) = 0.386 mW/g**

Maximum value of SAR (measured) = 0.737 mW/g



0 dB = 0.737mW/g

**Additional information:**

position or distance of DUT to SAM : 15 mm

ambient temperature: 22.8°C; liquid temperature: 21.7°C

Date/Time: 2008-11-04 19:59:45 Date/Time: 2008-11-04 20:05:37

**P1528\_OET65-Body-GSM1900 GPRS 1TS**

**DUT: Sony Ericsson; Type: AAD-3880006-BV; Serial: CB5114ZER0**

Communication System: PCS 1900 GPRS 1TS; Frequency: 1909.8 MHz; Duty Cycle: 1:8

Medium: M1900 Medium parameters used:  $f = 1909.8 \text{ MHz}$ ;  $\sigma = 1.52 \text{ mho/m}$ ;  $\epsilon_r = 52.7$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1558; ConvF(4.39, 4.39, 4.39); Calibrated: 2008-08-15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn413; Calibrated: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

**Rear position -High/Area Scan (51x81x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

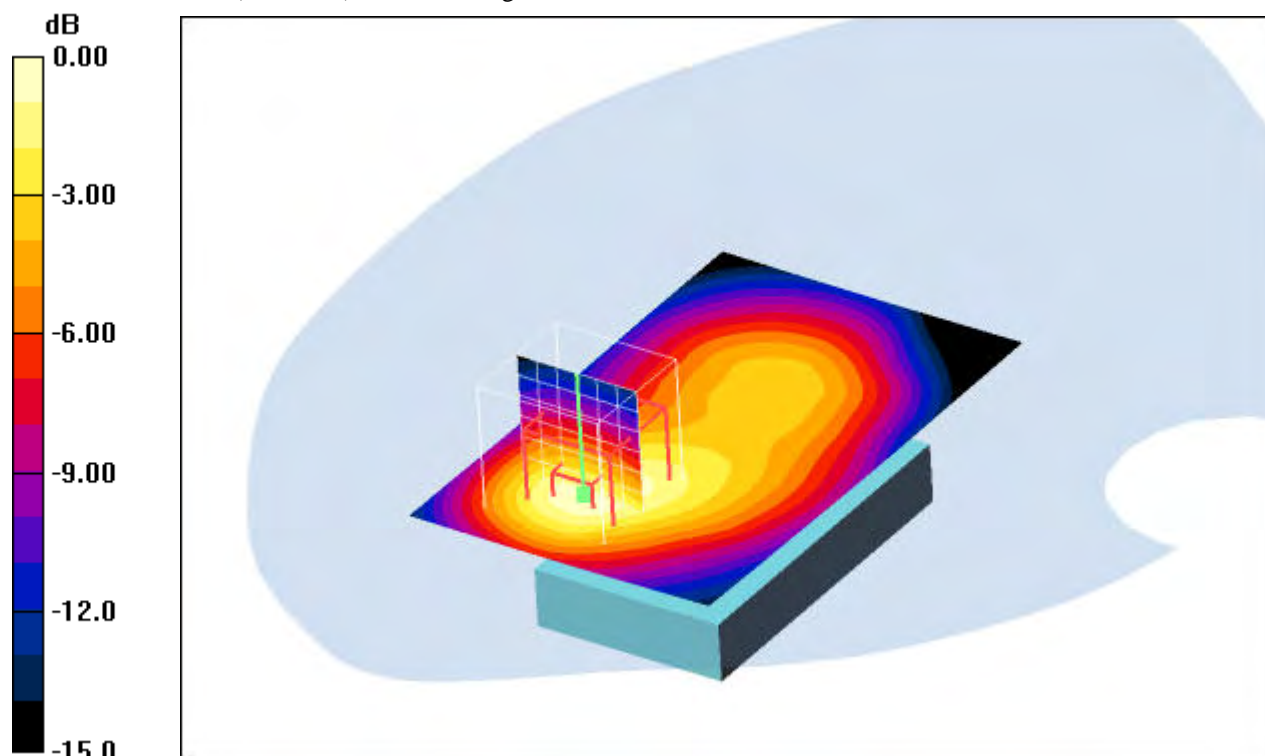
**Rear position -High/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 18.9 V/m; Power Drift = -0.012 dB

Peak SAR (extrapolated) = 0.886 W/kg

**SAR(1 g) = 0.477 mW/g; SAR(10 g) = 0.270 mW/g**

Maximum value of SAR (measured) = 0.517 mW/g



0 dB = 0.517mW/g

**Additional information:**

position or distance of DUT to SAM : 15 mm

ambient temperature: 22.9°C; liquid temperature: 21.7°C

Date/Time: 2008-11-04 20:20:23 Date/Time: 2008-11-04 20:26:15

**P1528\_OET65-Body-GSM1900 E-GPRS**

**DUT: Sony Ericsson; Type: AAD-3880006-BV; Serial: CB5114ZER0**

Communication System: PCS 1900 EGPRS class 10; Frequency: 1909.8 MHz; Duty Cycle: 1:4

Medium: M1900 Medium parameters used:  $f = 1909.8 \text{ MHz}$ ;  $\sigma = 1.52 \text{ mho/m}$ ;  $\epsilon_r = 52.7$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1558; ConvF(4.39, 4.39, 4.39); Calibrated: 2008-08-15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn413; Calibrated: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

**Rear position -High/Area Scan (51x81x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 0.319 mW/g

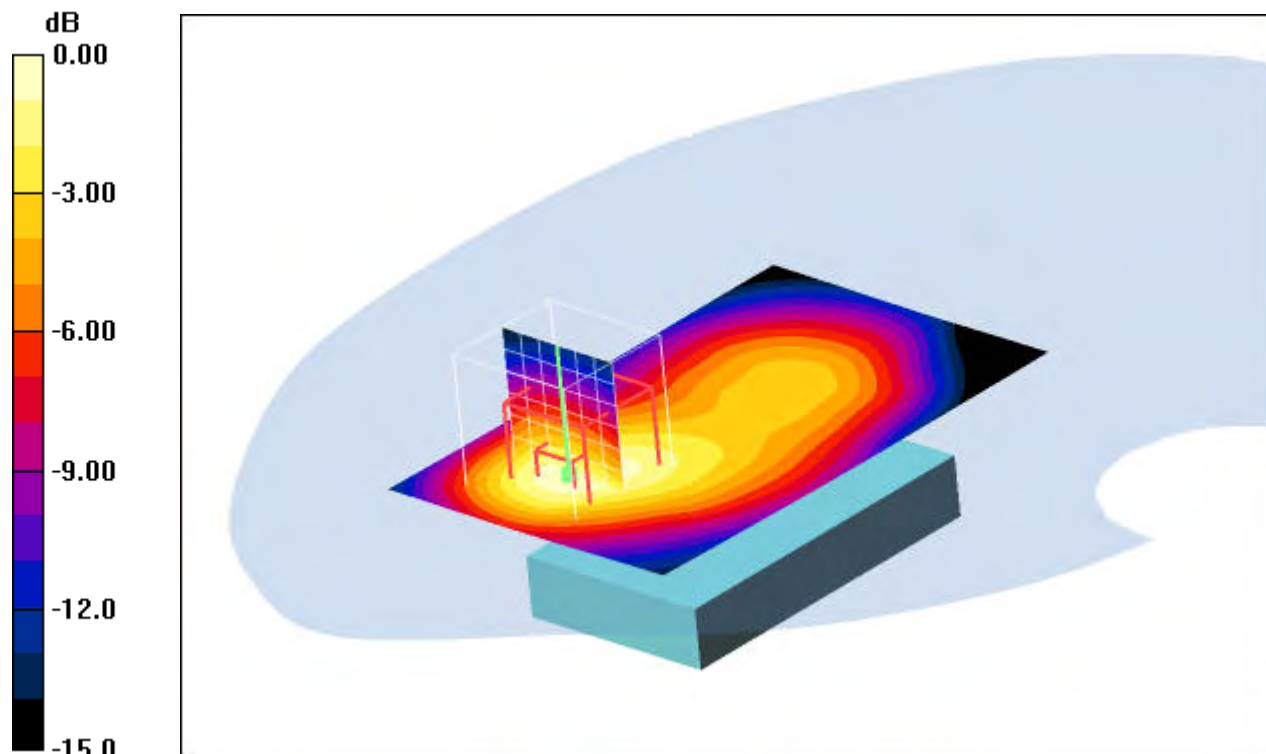
**Rear position -High/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 15.1 V/m; Power Drift = -0.024 dB

Peak SAR (extrapolated) = 0.571 W/kg

**SAR(1 g) = 0.304 mW/g; SAR(10 g) = 0.172 mW/g**

Maximum value of SAR (measured) = 0.334 mW/g



0 dB = 0.334mW/g

**Additional information:**

position or distance of DUT to SAM : 15 mm

ambient temperature: 22.9°C; liquid temperature: 21.7°C



**Annex 2.5 WLAN 2450 MHz head**

Date/Time: 30.10.2008 10:01:56 Date/Time: 30.10.2008 10:06:58

**P1528\_OET65-LeftHandSide-WLAN**

**DUT: Sony Ericsson; Type: AAD-3880006-BV; Serial: CB5114ZFAL**

Communication System: WLAN 2450 US; Frequency: 2412 MHz; Duty Cycle: 1:1

Medium: HSL2450 Medium parameters used (interpolated):  $f = 2412$  MHz;  $\sigma = 1.88$  mho/m;  $\epsilon_r = 38.6$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1559; ConvF(4.56, 4.56, 4.56); Calibrated: 23.01.2008
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn477; Calibrated: 14.05.2008
- Phantom: SAM left; Type: SAM; Serial: 1041
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 146

**Touch position - Low/Area Scan (51x71x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.061 mW/g

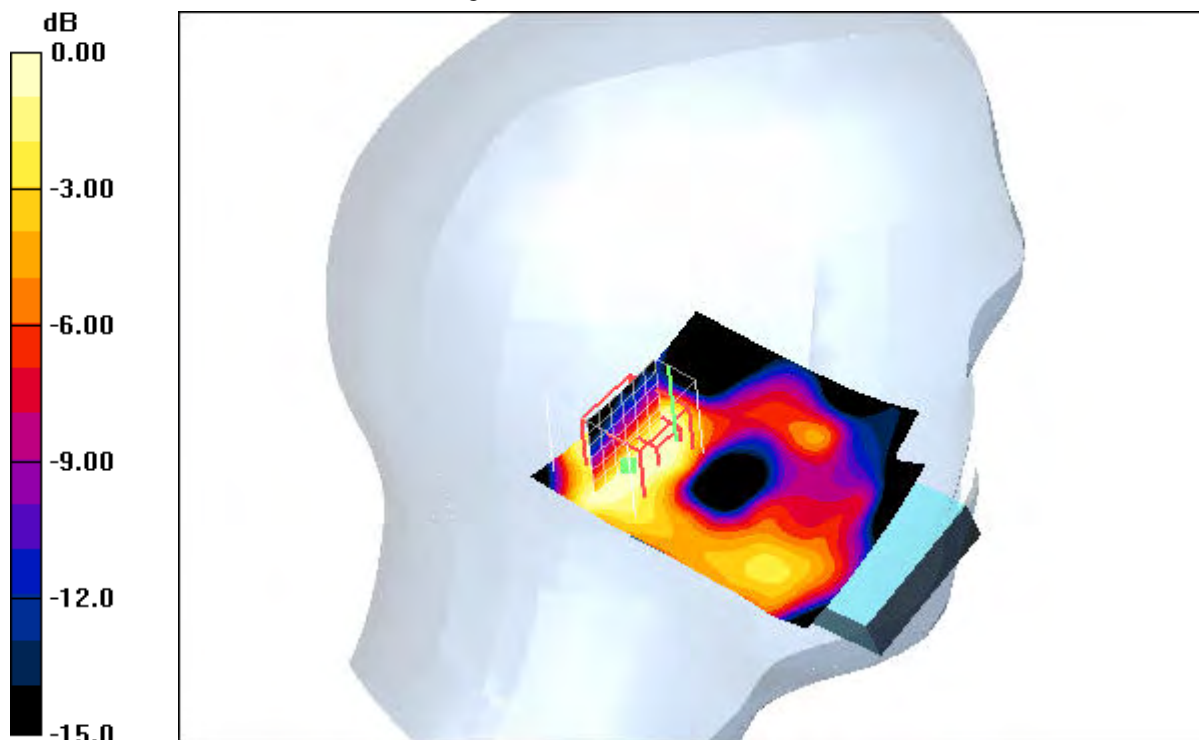
**Touch position - Low/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.19 V/m; Power Drift = -0.113 dB

Peak SAR (extrapolated) = 0.101 W/kg

**SAR(1 g) = 0.049 mW/g; SAR(10 g) = 0.025 mW/g**

Maximum value of SAR (measured) = 0.055 mW/g



0 dB = 0.055mW/g

**Additional information:**

position or distance of DUT to SAM (if not standard head positions) :

ambient temperature: 21.5°C; liquid temperature: 20.6°C

Date/Time: 30.10.2008 13:59:52 Date/Time: 30.10.2008 14:05:41

**P1528\_OET65-LeftHandSide-WLAN**

**DUT: Sony Ericsson; Type: AAD-3880006-BV; Serial: CB5114ZFAL**

Communication System: WLAN 2450 US; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: HSL2450 Medium parameters used (interpolated):  $f = 2437 \text{ MHz}$ ;  $\sigma = 1.88 \text{ mho/m}$ ;  $\epsilon_r = 38.6$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1559; ConvF(4.56, 4.56, 4.56); Calibrated: 23.01.2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn477; Calibrated: 14.05.2008
- Phantom: SAM left; Type: SAM; Serial: 1041
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 146

**Touch position - Middle/Area Scan (51x71x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 0.054 mW/g

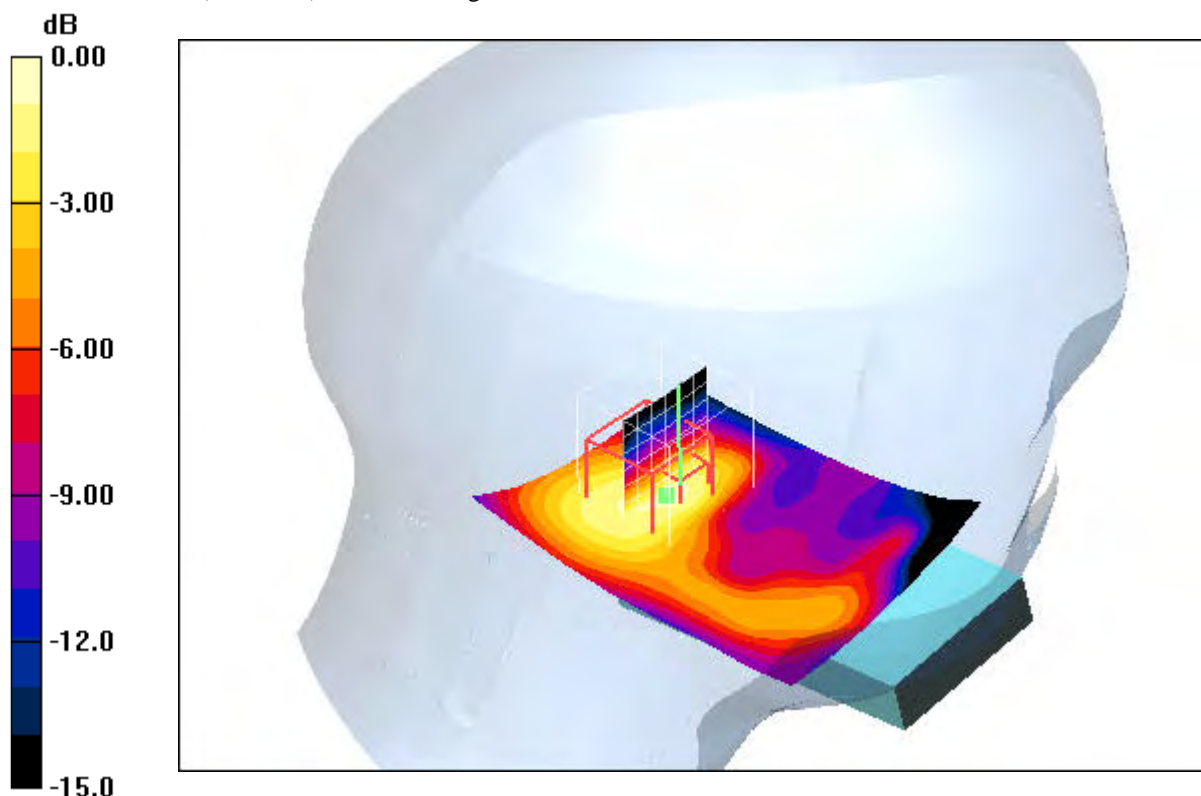
**Touch position - Middle/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 5.32 V/m; Power Drift = 0.028 dB

Peak SAR (extrapolated) = 0.106 W/kg

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

Maximum value of SAR (measured) = 0.059 mW/g



0 dB = 0.059mW/g

**Additional information:**

position or distance of DUT to SAM (if not standard head positions) :

ambient temperature: 21.3°C; liquid temperature: 20.7°C

**P1528\_OET65-LeftHandSide-WLAN**

**DUT: Sony Ericsson; Type: AAD-3880006-BV; Serial: CB5114ZFAL**

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

Medium: HSL2450 Medium parameters used (interpolated):  $f = 2462 \text{ MHz}$ ;  $\sigma = 1.88 \text{ mho/m}$ ;  $\epsilon_r = 38.6$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1559; ConvF(4.56, 4.56, 4.56); Calibrated: 23.01.2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn477; Calibrated: 14.05.2008
- Phantom: SAM left; Type: SAM; Serial: 1041
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 146

**Touch position - High/Area Scan (51x71x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 0.078 mW/g

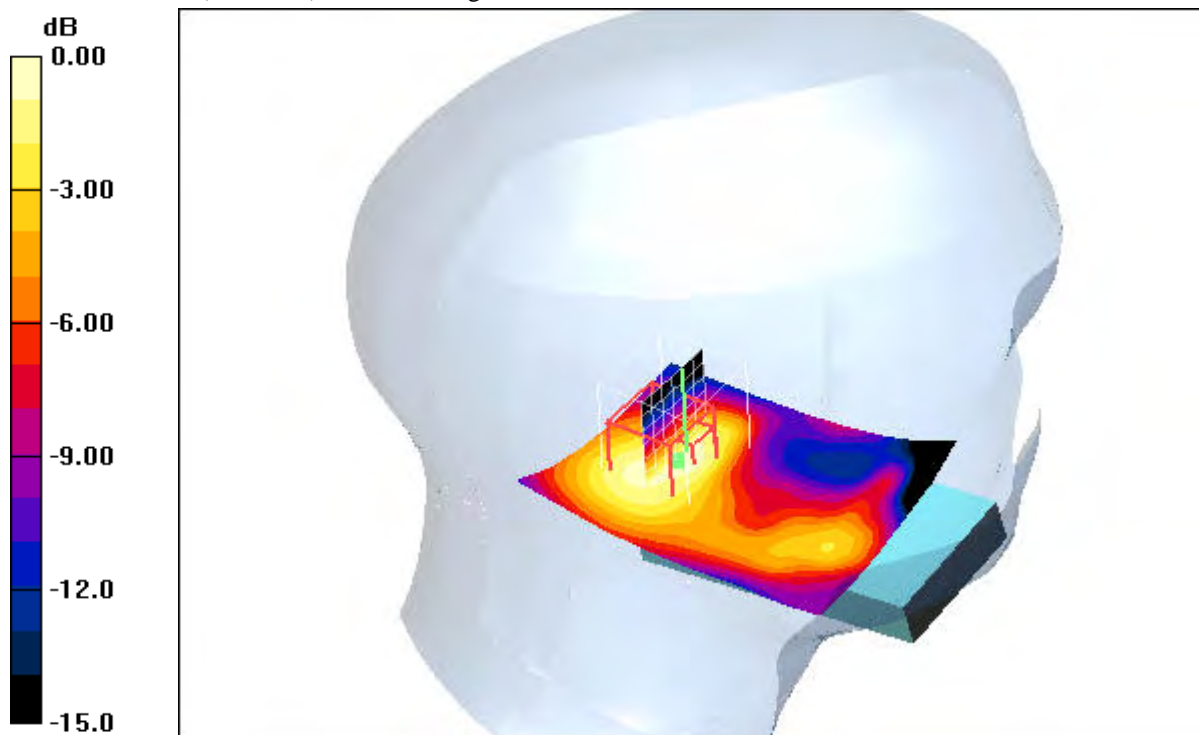
**Touch position - High/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 6.34 V/m; Power Drift = -0.185 dB

Peak SAR (extrapolated) = 0.145 W/kg

**SAR(1 g) = 0.070 mW/g; SAR(10 g) = 0.036 mW/g**

Maximum value of SAR (measured) = 0.079 mW/g



0 dB = 0.079mW/g

**Additional information:**

position or distance of DUT to SAM (if not standard head positions) :

ambient temperature: 21.6°C; liquid temperature: 20.4°C

Date/Time: 30.10.2008 10:22:31 Date/Time: 30.10.2008 10:29:40

**P1528\_OET65-LeftHandSide-WLAN**

**DUT: Sony Ericsson; Type: AAD-3880006-BV; Serial: CB5114ZFAL**

Communication System: WLAN 2450 US; Frequency: 2412 MHz; Duty Cycle: 1:1

Medium: HSL2450 Medium parameters used (interpolated):  $f = 2412 \text{ MHz}$ ;  $\sigma = 1.88 \text{ mho/m}$ ;  $\epsilon_r = 38.6$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1559; ConvF(4.56, 4.56, 4.56); Calibrated: 23.01.2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn477; Calibrated: 14.05.2008
- Phantom: SAM left; Type: SAM; Serial: 1041
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 146

**Tilt position - Low/Area Scan (51x81x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 0.078 mW/g

**Tilt position - Low/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,

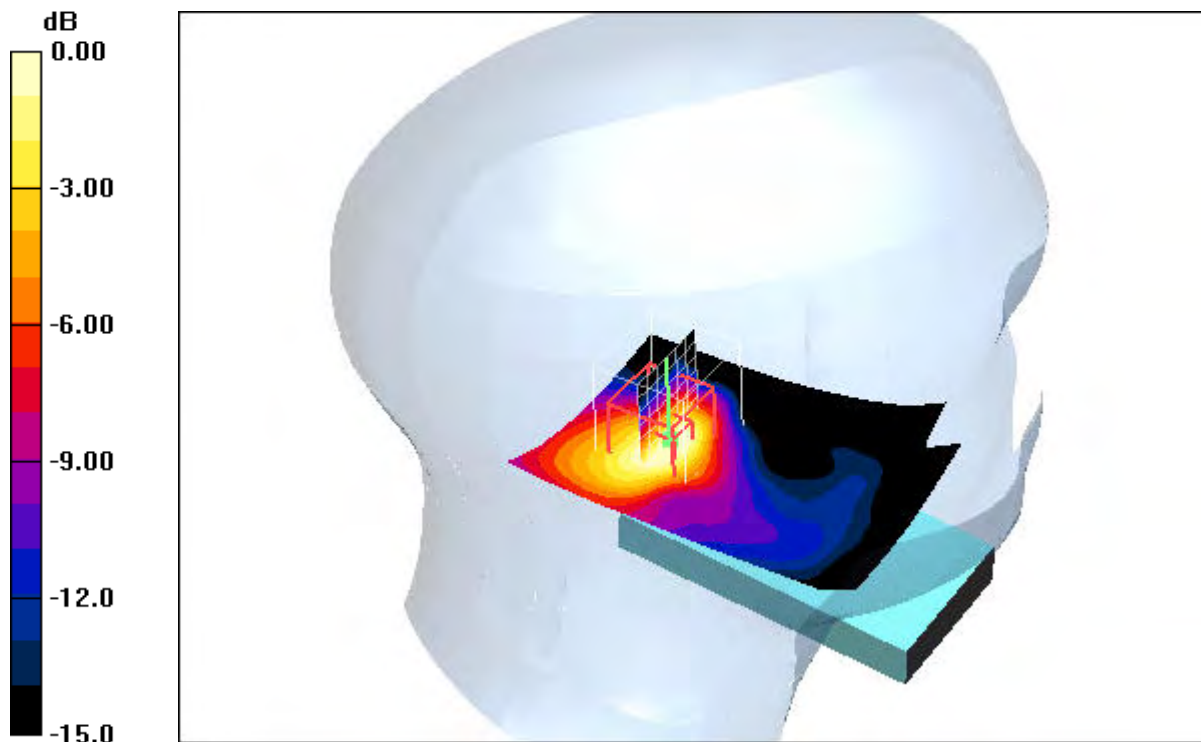
$dz=5\text{mm}$

Reference Value = 6.00 V/m; Power Drift = -0.149 dB

Peak SAR (extrapolated) = 0.106 W/kg

**SAR(1 g) = 0.059 mW/g; SAR(10 g) = 0.029 mW/g**

Maximum value of SAR (measured) = 0.066 mW/g



0 dB = 0.066mW/g

**Additional information:**

position or distance of DUT to SAM (if not standard head positions) :

ambient temperature: 21.5°C; liquid temperature: 20.6°C

**P1528\_OET65-LeftHandSide-WLAN**

**DUT: Sony Ericsson; Type: AAD-3880006-BV; Serial: CB5114ZFAL**

Communication System: WLAN 2450 US; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: HSL2450 Medium parameters used (interpolated):  $f = 2437$  MHz;  $\sigma = 1.88$  mho/m;  $\epsilon_r = 38.6$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1559; ConvF(4.56, 4.56, 4.56); Calibrated: 23.01.2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn477; Calibrated: 14.05.2008
- Phantom: SAM left; Type: SAM; Serial: 1041
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 146

**Tilt position - Middle/Area Scan (51x81x1):** Measurement grid: dx=15mm, dy=15mm

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

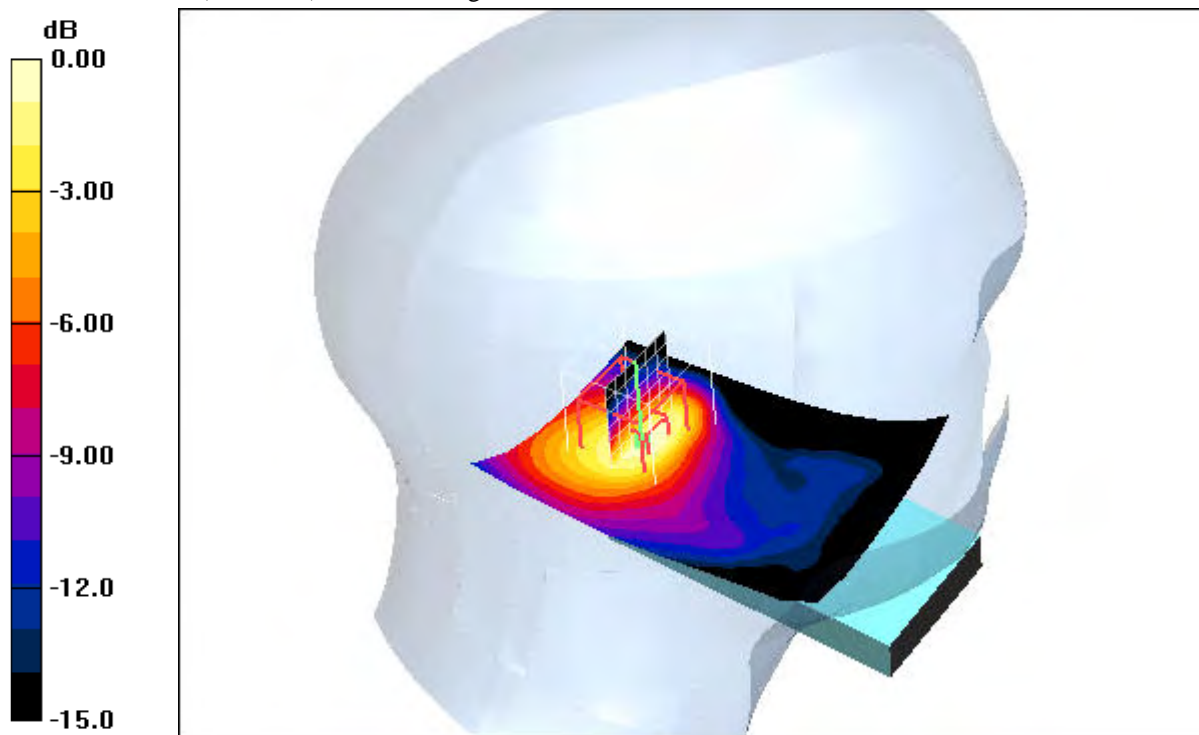
**Tilt position - Middle/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.82 V/m; Power Drift = -0.144 dB

Peak SAR (extrapolated) = 0.097 W/kg

**SAR(1 g) = 0.054 mW/g; SAR(10 g) = 0.027 mW/g**

Maximum value of SAR (measured) = 0.061 mW/g



0 dB = 0.061mW/g

**Additional information:**

position or distance of DUT to SAM (if not standard head positions) :

ambient temperature: 21.3°C; liquid temperature: 20.7°C

Date/Time: 30.10.2008 14:47:03 Date/Time: 30.10.2008 14:53:20

**P1528\_OET65-LeftHandSide-WLAN**

**DUT: Sony Ericsson; Type: AAD-3880006-BV; Serial: CB5114ZFAL**

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

Medium: HSL2450 Medium parameters used (interpolated):  $f = 2462 \text{ MHz}$ ;  $\sigma = 1.88 \text{ mho/m}$ ;  $\epsilon_r = 38.6$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1559; ConvF(4.56, 4.56, 4.56); Calibrated: 23.01.2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn477; Calibrated: 14.05.2008
- Phantom: SAM left; Type: SAM; Serial: 1041
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 146

**Tilt position - High/Area Scan (51x81x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 0.096 mW/g

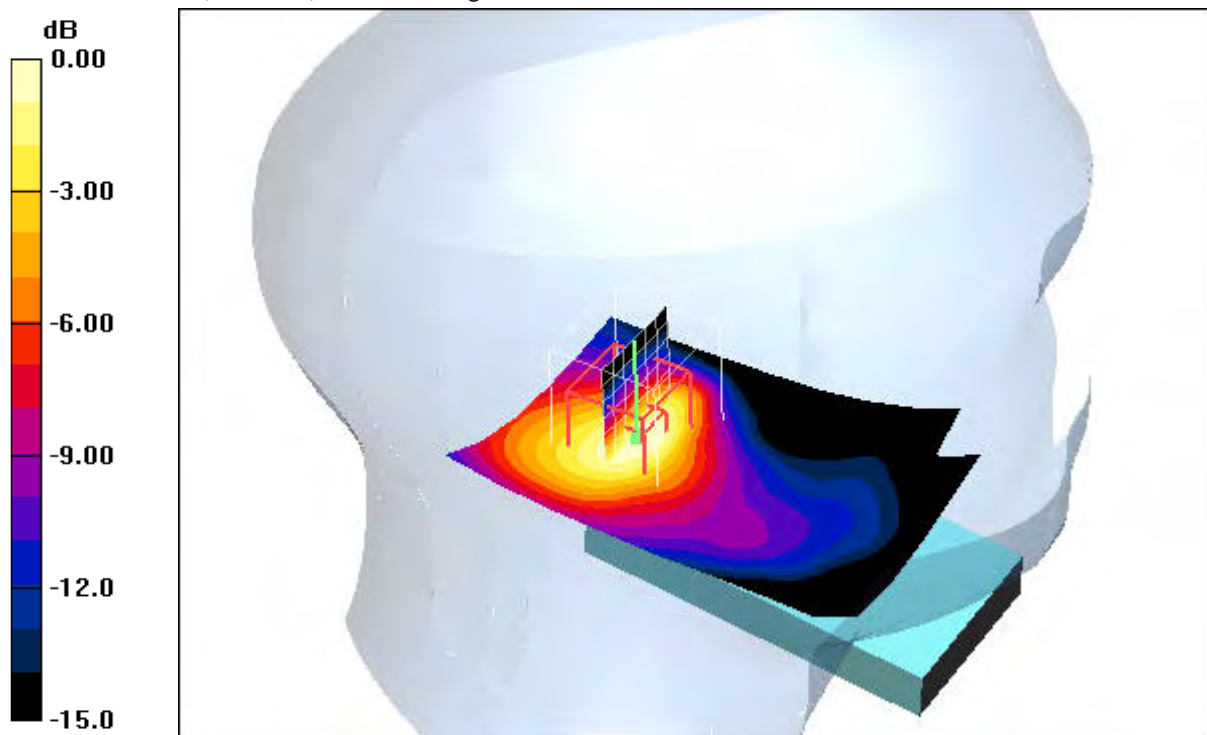
**Tilt position - High/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 6.93 V/m; Power Drift = 0.018 dB

Peak SAR (extrapolated) = 0.135 W/kg

**SAR(1 g) = 0.074 mW/g; SAR(10 g) = 0.037 mW/g**

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



0 dB = 0.084mW/g

**Additional information:**

position or distance of DUT to SAM (if not standard head positions) :

ambient temperature: 21.6°C; liquid temperature: 20.4°C

Date/Time: 30.10.2008 11:05:38 Date/Time: 30.10.2008 11:11:56 Date/Time: 30.10.2008 11:23:59

**P1528\_OET65-LeftHandSide-WLAN-open**

**DUT: Sony Ericsson; Type: AAD-3880006-BV; Serial: CB5114ZFAL**

Communication System: WLAN 2450 US; Frequency: 2412 MHz; Duty Cycle: 1:1

Medium: HSL2450 Medium parameters used (interpolated):  $f = 2412 \text{ MHz}$ ;  $\sigma = 1.88 \text{ mho/m}$ ;  $\epsilon_r = 38.6$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1559; ConvF(4.56, 4.56, 4.56); Calibrated: 23.01.2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn477; Calibrated: 14.05.2008
- Phantom: SAM left; Type: SAM; Serial: 1041
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 146

**Touch position - Low/Area Scan (51x81x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 0.030 mW/g

**Touch position - Low/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 3.82 V/m; Power Drift = 0.179 dB

Peak SAR (extrapolated) = 0.082 W/kg

**SAR(1 g) = 0.044 mW/g; SAR(10 g) = 0.017 mW/g**

Maximum value of SAR (measured) = 0.052 mW/g

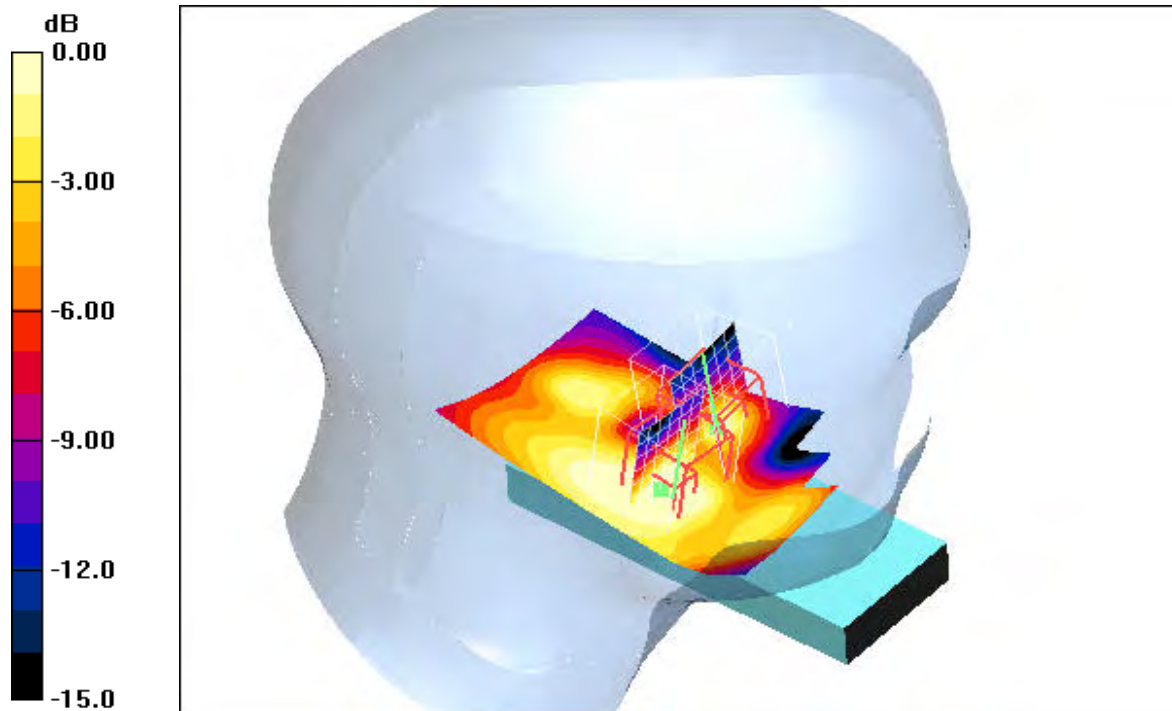
**Touch position - Low/Zoom Scan (7x7x7) (7x7x7)/Cube 1:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 3.82 V/m; Power Drift = 0.179 dB

Peak SAR (extrapolated) = 0.054 W/kg

**SAR(1 g) = 0.022 mW/g; SAR(10 g) = 0.00882 mW/g**

Maximum value of SAR (measured) = 0.024 mW/g



0 dB = 0.024mW/g

**Additional information:**

position or distance of DUT to SAM (if not standard head positions) :

ambient temperature: 21.5°C; liquid temperature: 20.6°C

Date/Time: 30.10.2008 12:03:17 Date/Time: 30.10.2008 12:10:09 Date/Time: 30.10.2008 12:24:34

**P1528\_OET65-LeftHandSide-WLAN-open**

**DUT: Sony Ericsson; Type: AAD-3880006-BV; Serial: CB5114ZFAL**

Communication System: WLAN 2450 US; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: HSL2450 Medium parameters used (interpolated):  $f = 2437 \text{ MHz}$ ;  $\sigma = 1.88 \text{ mho/m}$ ;  $\epsilon_r = 38.6$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1559; ConvF(4.56, 4.56, 4.56); Calibrated: 23.01.2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn477; Calibrated: 14.05.2008
- Phantom: SAM left; Type: SAM; Serial: 1041
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 146

**Touch position - Middle/Area Scan (51x81x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 0.123 mW/g

**Touch position - Middle/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 2.54 V/m; Power Drift = -0.159 dB

Peak SAR (extrapolated) = 0.040 W/kg

**SAR(1 g) = 0.013 mW/g; SAR(10 g) = 0.0064 mW/g**

Maximum value of SAR (measured) = 0.024 mW/g

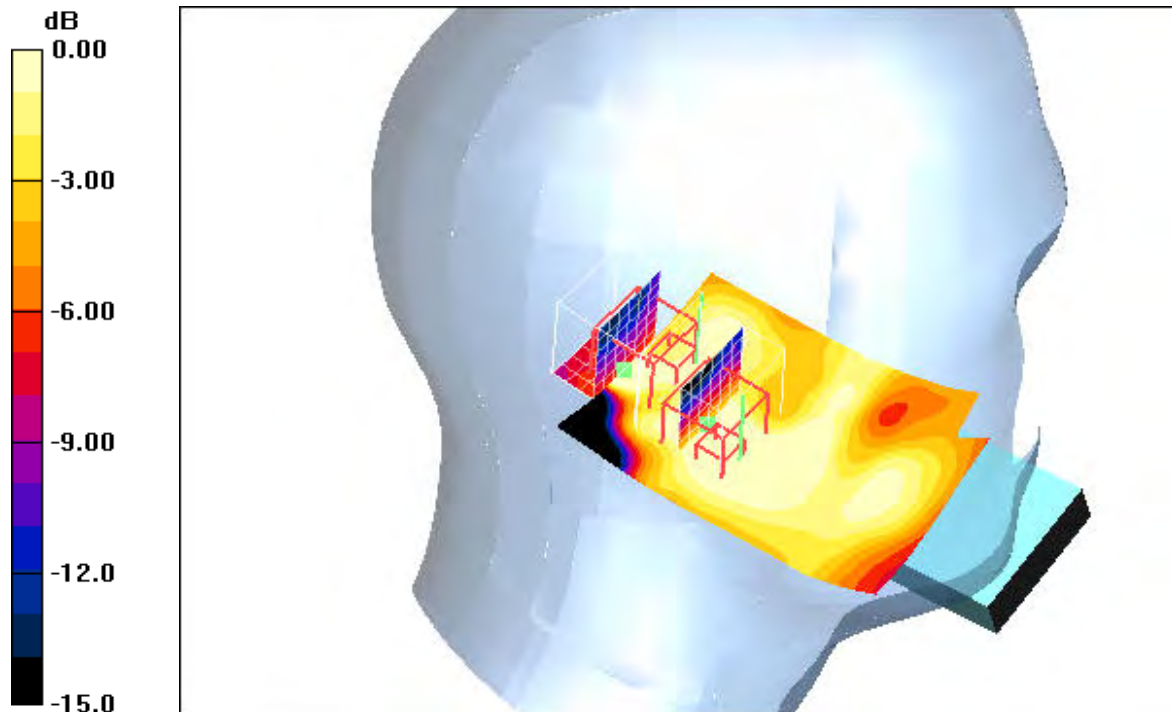
**Touch position - Middle/Zoom Scan (7x7x7) (7x7x7)/Cube 1:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 2.54 V/m; Power Drift = -0.159 dB

Peak SAR (extrapolated) = 0.057 W/kg

**SAR(1 g) = 0.026 mW/g; SAR(10 g) = 0.013 mW/g**

Maximum value of SAR (measured) = 0.031 mW/g



0 dB = 0.031mW/g

**Additional information:**

position or distance of DUT to SAM (if not standard head positions) :

ambient temperature: 21.3°C; liquid temperature: 20.7°C



**P1528\_OET65-LeftHandSide-WLAN-open**

**DUT: Sony Ericsson; Type: AAD-3880006-BV; Serial: CB5114ZFAL**

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

Medium: HSL2450 Medium parameters used (interpolated):  $f = 2462$  MHz;  $\sigma = 1.88$  mho/m;  $\epsilon_r = 38.6$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1559; ConvF(4.56, 4.56, 4.56); Calibrated: 23.01.2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn477; Calibrated: 14.05.2008
- Phantom: SAM left; Type: SAM; Serial: 1041
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 146

**Touch position - High/Area Scan (51x81x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.069 mW/g

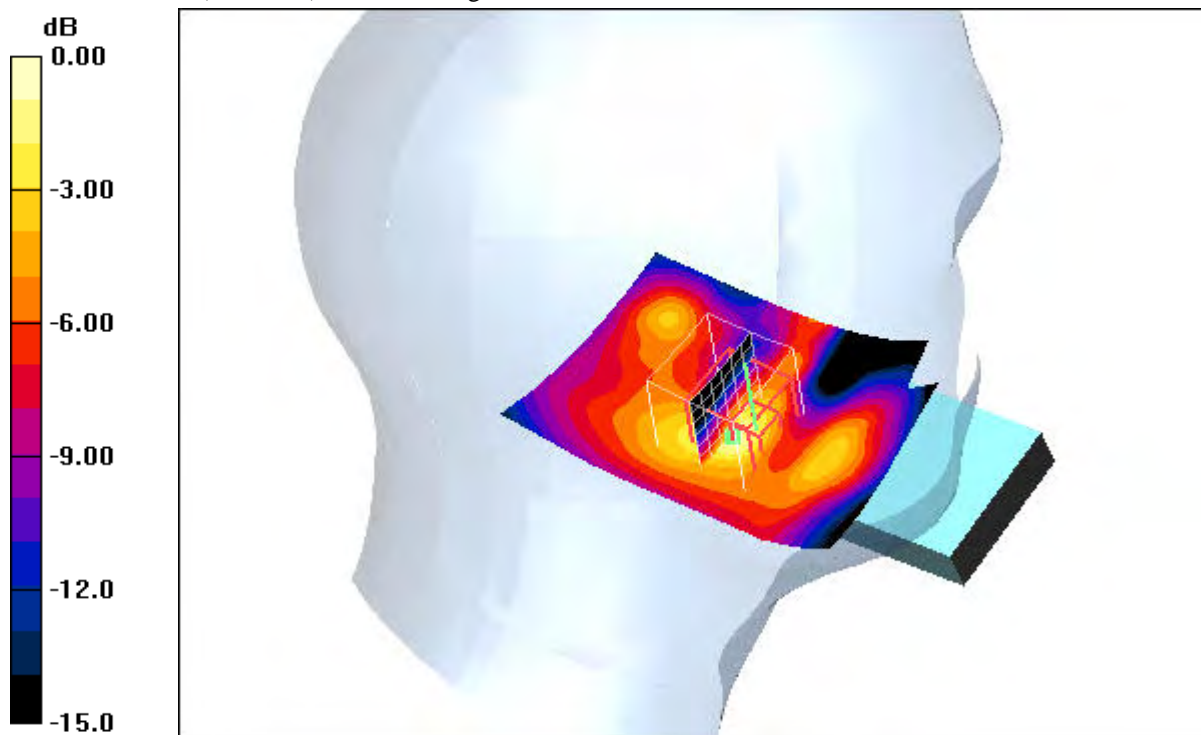
**Touch position - High/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.25 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.157 W/kg

**SAR(1 g) = 0.072 mW/g; SAR(10 g) = 0.030 mW/g**

Maximum value of SAR (measured) = 0.081 mW/g



0 dB = 0.081mW/g

**Additional information:**

position or distance of DUT to SAM (if not standard head positions) :

ambient temperature: 21.6°C; liquid temperature: 20.4°C

**P1528\_OET65-LeftHandSide-WLAN-open**

**DUT: Sony Ericsson; Type: AAD-3880006-BV; Serial: CB5114ZFAL**

Communication System: WLAN 2450 US; Frequency: 2412 MHz; Duty Cycle: 1:1

Medium: HSL2450 Medium parameters used (interpolated):  $f = 2412$  MHz;  $\sigma = 1.88$  mho/m;  $\epsilon_r = 38.6$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1559; ConvF(4.56, 4.56, 4.56); Calibrated: 23.01.2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn477; Calibrated: 14.05.2008
- Phantom: SAM left; Type: SAM; Serial: 1041
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 146

**Tilt position - Low/Area Scan (51x81x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.023 mW/g

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

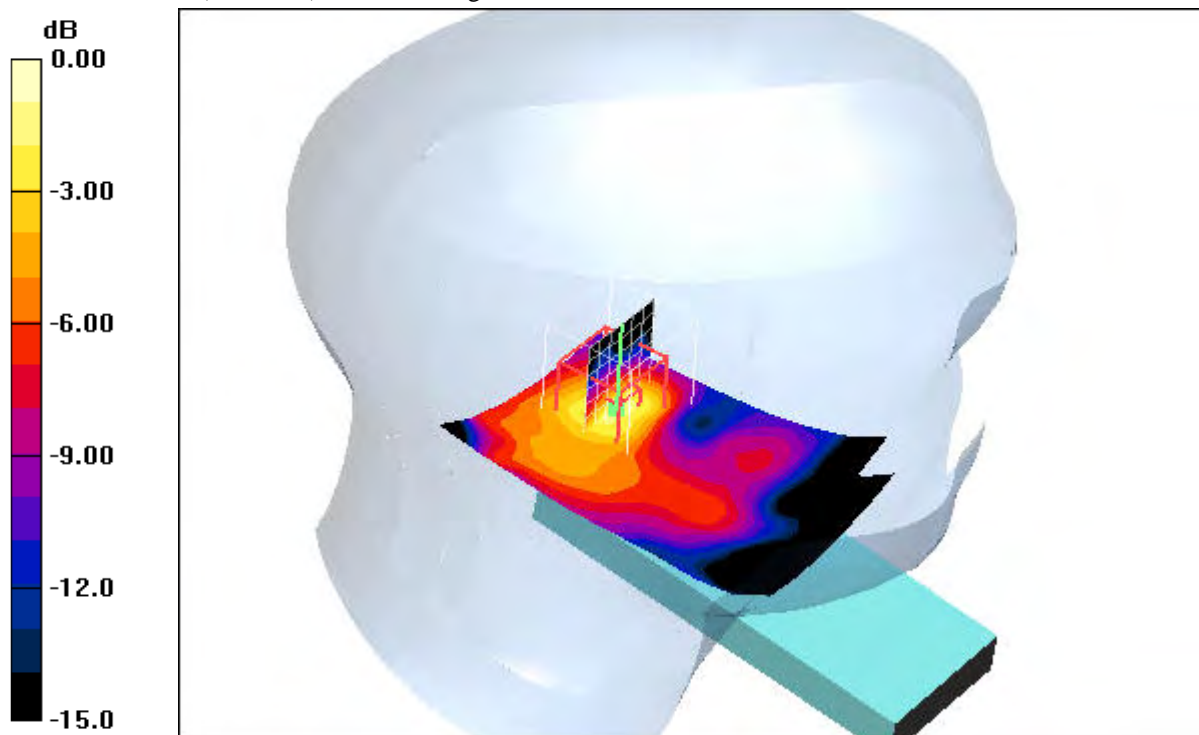
dz=5mm

Reference Value = 3.31 V/m; Power Drift = 0.148 dB

Peak SAR (extrapolated) = 0.058 W/kg

**SAR(1 g) = 0.027 mW/g; SAR(10 g) = 0.012 mW/g**

Maximum value of SAR (measured) = 0.033 mW/g



0 dB = 0.033mW/g

**Additional information:**

position or distance of DUT to SAM (if not standard head positions) :

ambient temperature: 21.5°C; liquid temperature: 20.6°C

**P1528\_OET65-LeftHandSide-WLAN-open**

**DUT: Sony Ericsson; Type: AAD-3880006-BV; Serial: CB5114ZFAL**

Communication System: WLAN 2450 US; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: HSL2450 Medium parameters used (interpolated):  $f = 2437$  MHz;  $\sigma = 1.88$  mho/m;  $\epsilon_r = 38.6$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1559; ConvF(4.56, 4.56, 4.56); Calibrated: 23.01.2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn477; Calibrated: 14.05.2008
- Phantom: SAM left; Type: SAM; Serial: 1041
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 146

**Tilt position - Middle/Area Scan (51x81x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.028 mW/g

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

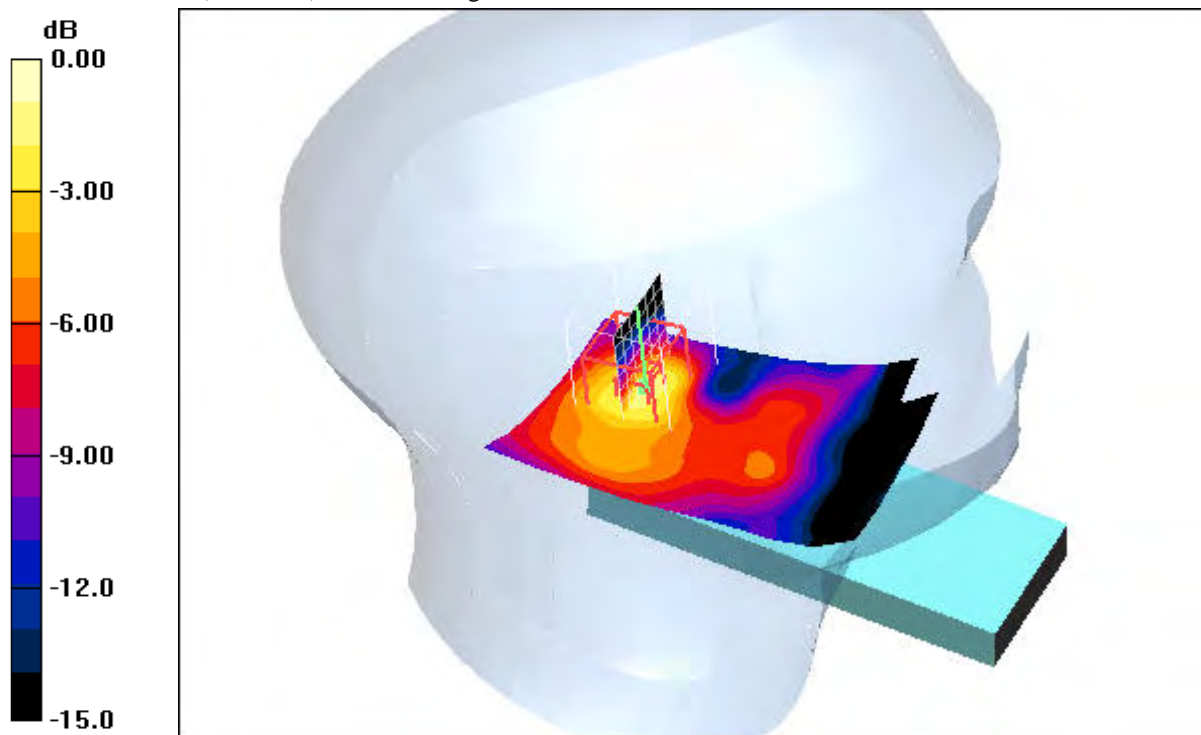
dz=5mm

Reference Value = 3.69 V/m; Power Drift = -0.077 dB

Peak SAR (extrapolated) = 0.065 W/kg

**SAR(1 g) = 0.032 mW/g; SAR(10 g) = 0.014 mW/g**

Maximum value of SAR (measured) = 0.037 mW/g



0 dB = 0.037mW/g

**Additional information:**

position or distance of DUT to SAM (if not standard head positions) :

ambient temperature: 21.3°C; liquid temperature: 20.7°C

**P1528\_OET65-LeftHandSide-WLAN-open**

**DUT: Sony Ericsson; Type: AAD-3880006-BV; Serial: CB5114ZFAL**

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

Medium: HSL2450 Medium parameters used (interpolated):  $f = 2462 \text{ MHz}$ ;  $\sigma = 1.88 \text{ mho/m}$ ;  $\epsilon_r = 38.6$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1559; ConvF(4.56, 4.56, 4.56); Calibrated: 23.01.2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn477; Calibrated: 14.05.2008
- Phantom: SAM left; Type: SAM; Serial: 1041
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 146

**Tilt position - High/Area Scan (51x81x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

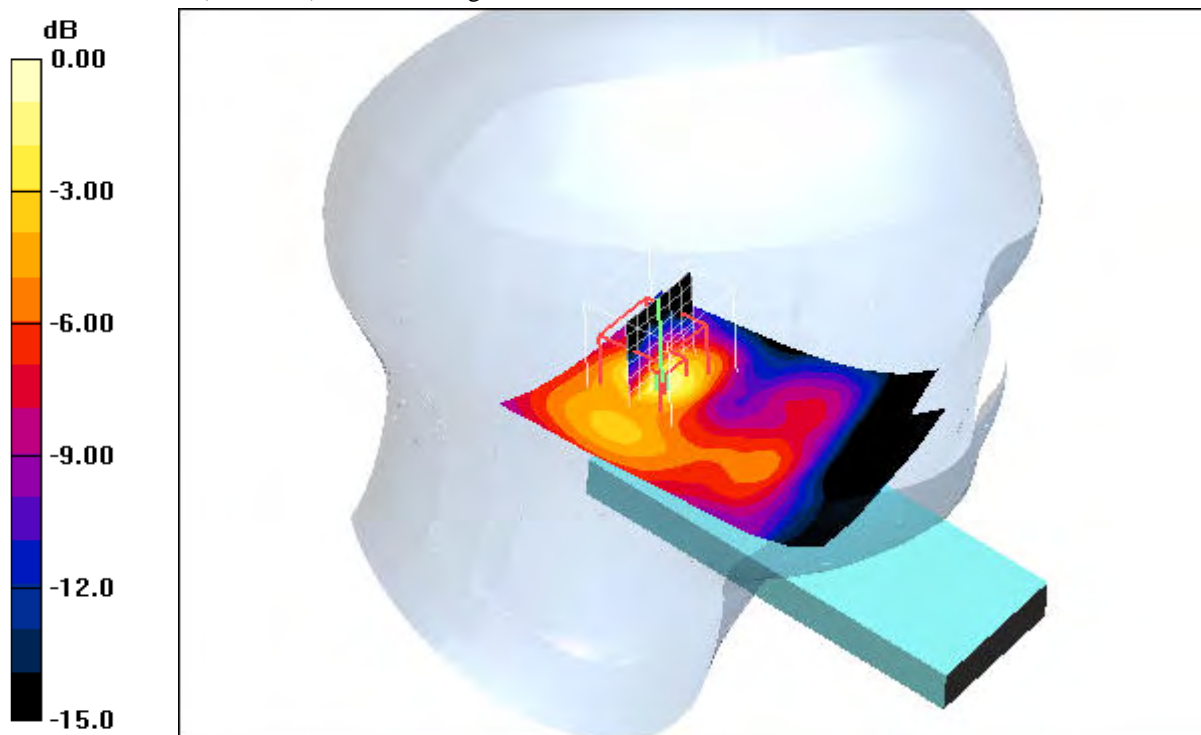
**Tilt position - High/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 4.24 V/m; Power Drift = 0.021 dB

Peak SAR (extrapolated) = 0.088 W/kg

**SAR(1 g) = 0.040 mW/g; SAR(10 g) = 0.017 mW/g**

Maximum value of SAR (measured) = 0.047 mW/g



0 dB = 0.047mW/g

**Additional information:**

position or distance of DUT to SAM (if not standard head positions) :

ambient temperature: 21.6°C; liquid temperature: 20.6°C

**P1528\_OET65-RightHandSide-WLAN**

**DUT: Sony Ericsson; Type: AAD-3880006-BV; Serial: CB5114ZFAL**

Communication System: WLAN 2450 US; Frequency: 2412 MHz; Duty Cycle: 1:1

Medium: HSL2450 Medium parameters used (interpolated):  $f = 2412$  MHz;  $\sigma = 1.88$  mho/m;  $\epsilon_r = 38.6$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1559; ConvF(4.56, 4.56, 4.56); Calibrated: 23.01.2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn477; Calibrated: 14.05.2008
- Phantom: SAM left; Type: SAM; Serial: 1041
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 146

**Touch position - Low/Area Scan (51x71x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.080 mW/g

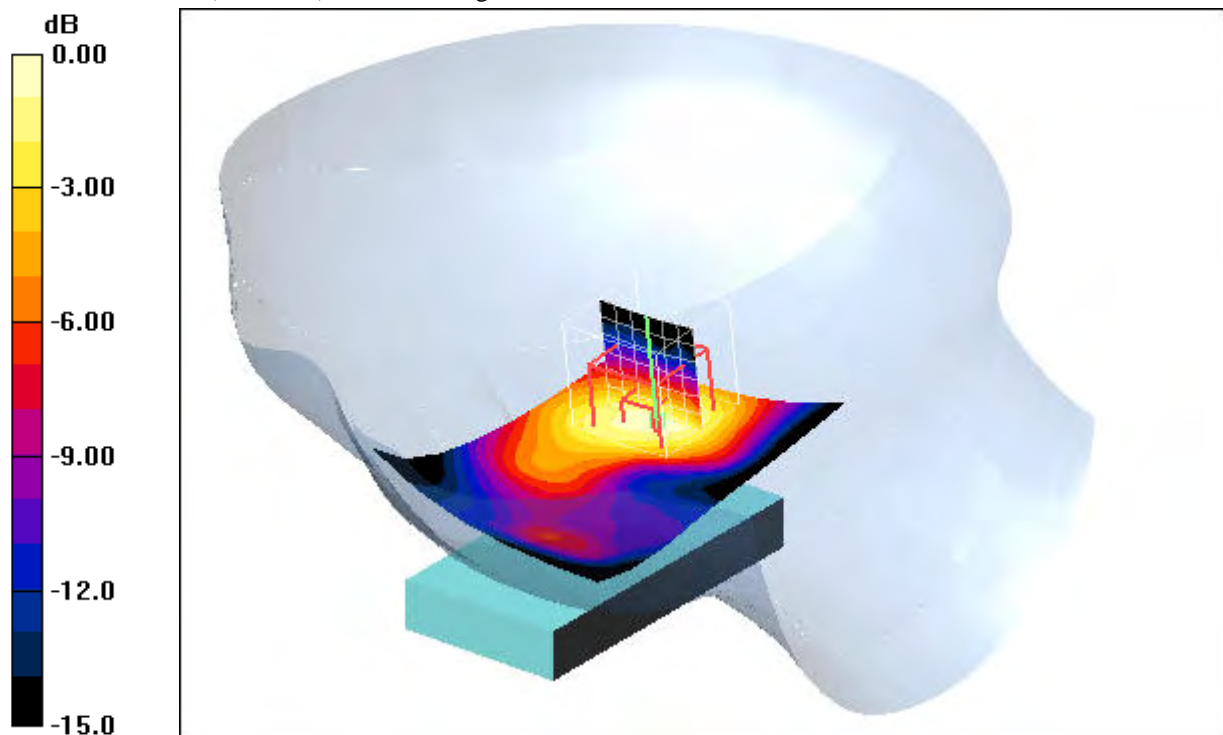
**Touch position - Low/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.54 V/m; Power Drift = -0.126 dB

Peak SAR (extrapolated) = 0.157 W/kg

**SAR(1 g) = 0.073 mW/g; SAR(10 g) = 0.036 mW/g**

Maximum value of SAR (measured) = 0.081 mW/g



0 dB = 0.081mW/g

**Additional information:**

position or distance of DUT to SAM (if not standard head positions) :

ambient temperature: 21.7°C; liquid temperature: 20.3°C

Date/Time: 30.10.2008 19:02:32 Date/Time: 30.10.2008 19:08:21

**P1528\_OET65-RightHandSide-WLAN**

**DUT: Sony Ericsson; Type: AAD-3880006-BV; Serial: CB5114ZFAL**

Communication System: WLAN 2450 US; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: HSL2450 Medium parameters used (interpolated):  $f = 2437 \text{ MHz}$ ;  $\sigma = 1.88 \text{ mho/m}$ ;  $\epsilon_r = 38.6$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1559; ConvF(4.56, 4.56, 4.56); Calibrated: 23.01.2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn477; Calibrated: 14.05.2008
- Phantom: SAM left; Type: SAM; Serial: 1041
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 146

**Touch position - Middle/Area Scan (51x71x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

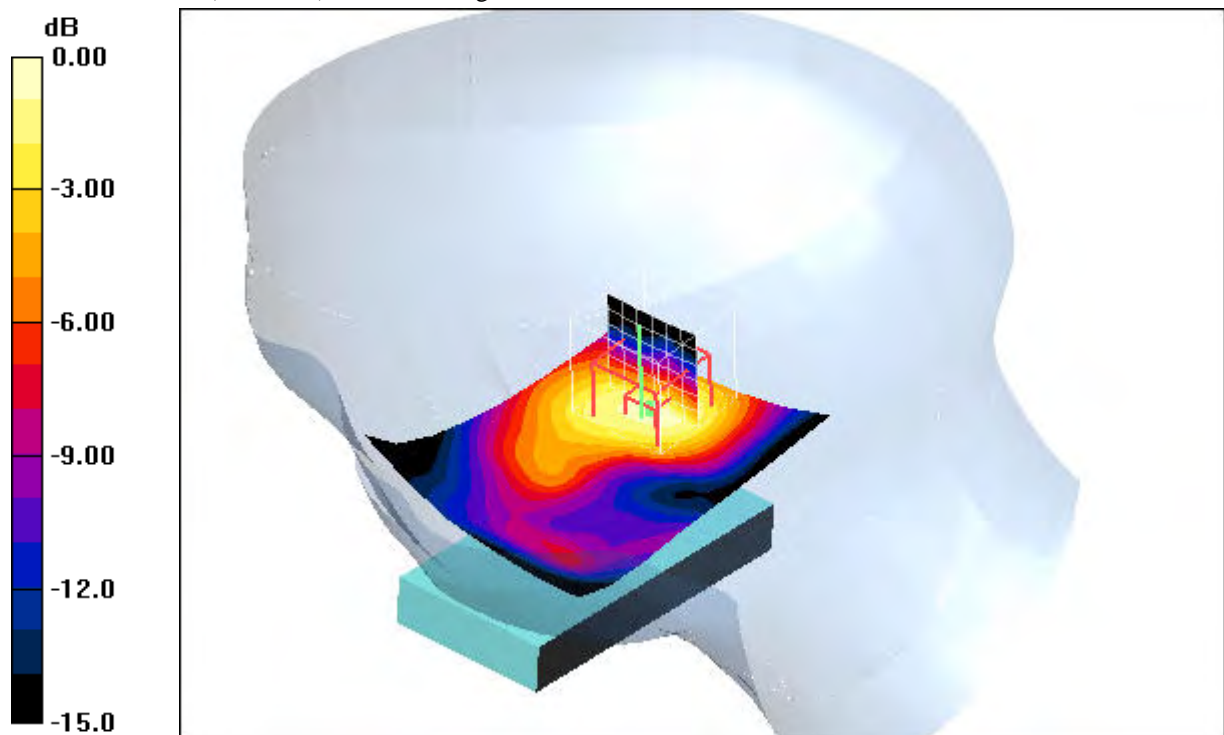
**Touch position - Middle/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 7.56 V/m; Power Drift = 0.067 dB

Peak SAR (extrapolated) = 0.214 W/kg

**SAR(1 g) = 0.099 mW/g; SAR(10 g) = 0.049 mW/g**

Maximum value of SAR (measured) = 0.108 mW/g



0 dB = 0.108mW/g

**Additional information:**

position or distance of DUT to SAM (if not standard head positions) :

ambient temperature: 21.7°C; liquid temperature: 20.3°C

**P1528\_OET65-RightHandSide-WLAN**

**DUT: Sony Ericsson; Type: AAD-3880006-BV; Serial: CB5114ZFAL**

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

Medium: HSL2450 Medium parameters used (interpolated):  $f = 2462$  MHz;  $\sigma = 1.88$  mho/m;  $\epsilon_r = 38.6$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1559; ConvF(4.56, 4.56, 4.56); Calibrated: 23.01.2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn477; Calibrated: 14.05.2008
- Phantom: SAM left; Type: SAM; Serial: 1041
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 146

**Touch position - High/Area Scan (51x71x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.105 mW/g

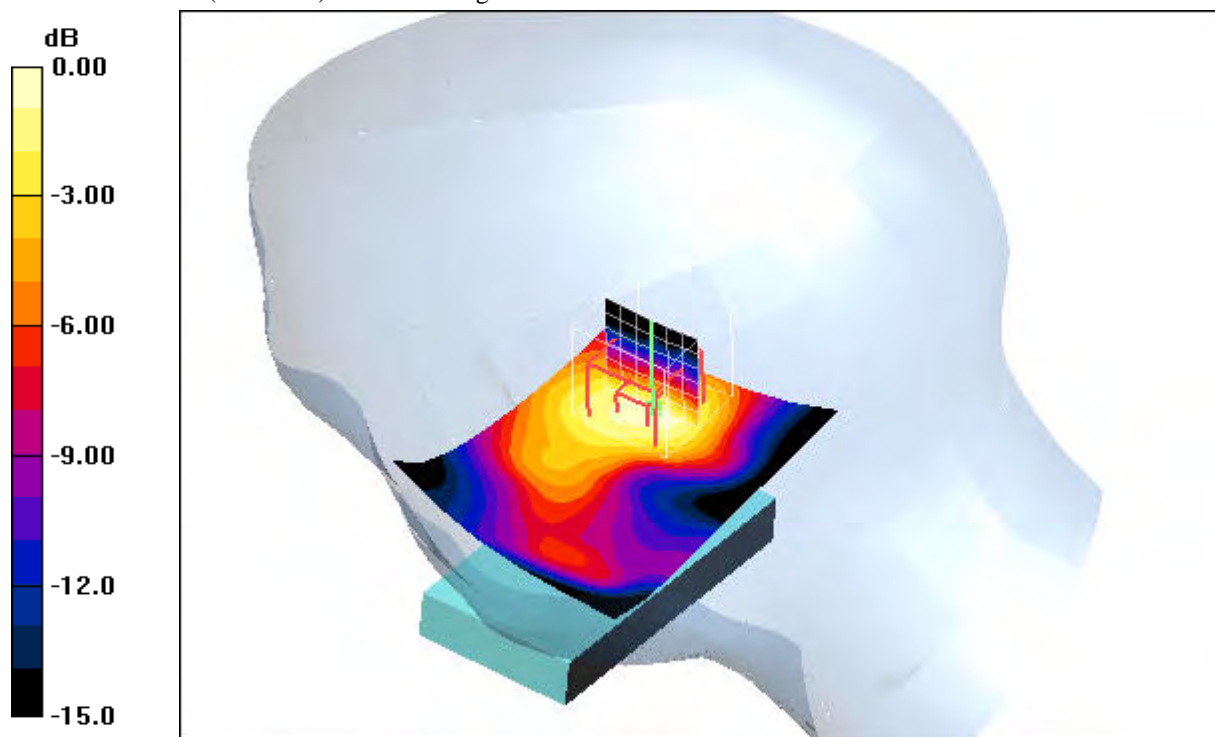
**Touch position - High/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.42 V/m; Power Drift = 0.010 dB

Peak SAR (extrapolated) = 0.219 W/kg

**SAR(1 g) = 0.098 mW/g; SAR(10 g) = 0.048 mW/g**

Maximum value of SAR (measured) = 0.108 mW/g



0 dB = 0.108mW/g

**Additional information:**

position or distance of DUT to SAM (if not standard head positions) :

ambient temperature: 21.7°C; liquid temperature: 20.3°C

Date/Time: 30.10.2008 16:27:21 Date/Time: 30.10.2008 16:34:17

**P1528\_OET65-RightHandSide-WLAN**

**DUT: Sony Ericsson; Type: AAD-3880006-BV; Serial: CB5114ZFAL**

Communication System: WLAN 2450 US; Frequency: 2412 MHz; Duty Cycle: 1:1

Medium: HSL2450 Medium parameters used (interpolated):  $f = 2412 \text{ MHz}$ ;  $\sigma = 1.88 \text{ mho/m}$ ;  $\epsilon_r = 38.6$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1559; ConvF(4.56, 4.56, 4.56); Calibrated: 23.01.2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn477; Calibrated: 14.05.2008
- Phantom: SAM left; Type: SAM; Serial: 1041
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 146

**Tilt position - Low/Area Scan (51x81x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

**Tilt position - Low/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,

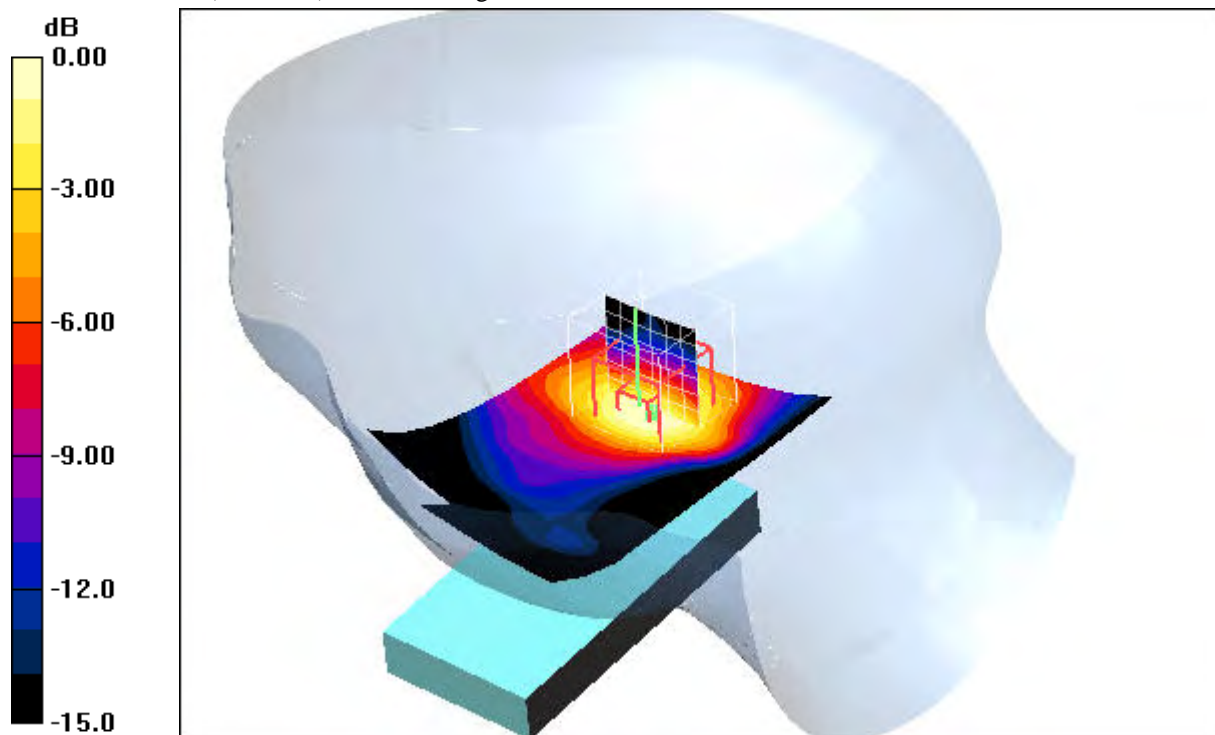
$dz=5\text{mm}$

Reference Value = 6.01 V/m; Power Drift = -0.059 dB

Peak SAR (extrapolated) = 0.141 W/kg

**SAR(1 g) = 0.066 mW/g; SAR(10 g) = 0.033 mW/g**

Maximum value of SAR (measured) = 0.073 mW/g



0 dB = 0.073mW/g

**Additional information:**

position or distance of DUT to SAM (if not standard head positions) :

ambient temperature: 21.7°C; liquid temperature: 20.3°C



Date/Time: 30.10.2008 18:34:37 Date/Time: 30.10.2008 18:41:00

**P1528\_OET65-RightHandSide-WLAN**

**DUT: Sony Ericsson; Type: AAD-3880006-BV; Serial: CB5114ZFAL**

Communication System: WLAN 2450 US; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: HSL2450 Medium parameters used (interpolated):  $f = 2437 \text{ MHz}$ ;  $\sigma = 1.88 \text{ mho/m}$ ;  $\epsilon_r = 38.6$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1559; ConvF(4.56, 4.56, 4.56); Calibrated: 23.01.2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn477; Calibrated: 14.05.2008
- Phantom: SAM left; Type: SAM; Serial: 1041
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 146

**Tilt position - Middle/Area Scan (51x81x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 0.101 mW/g

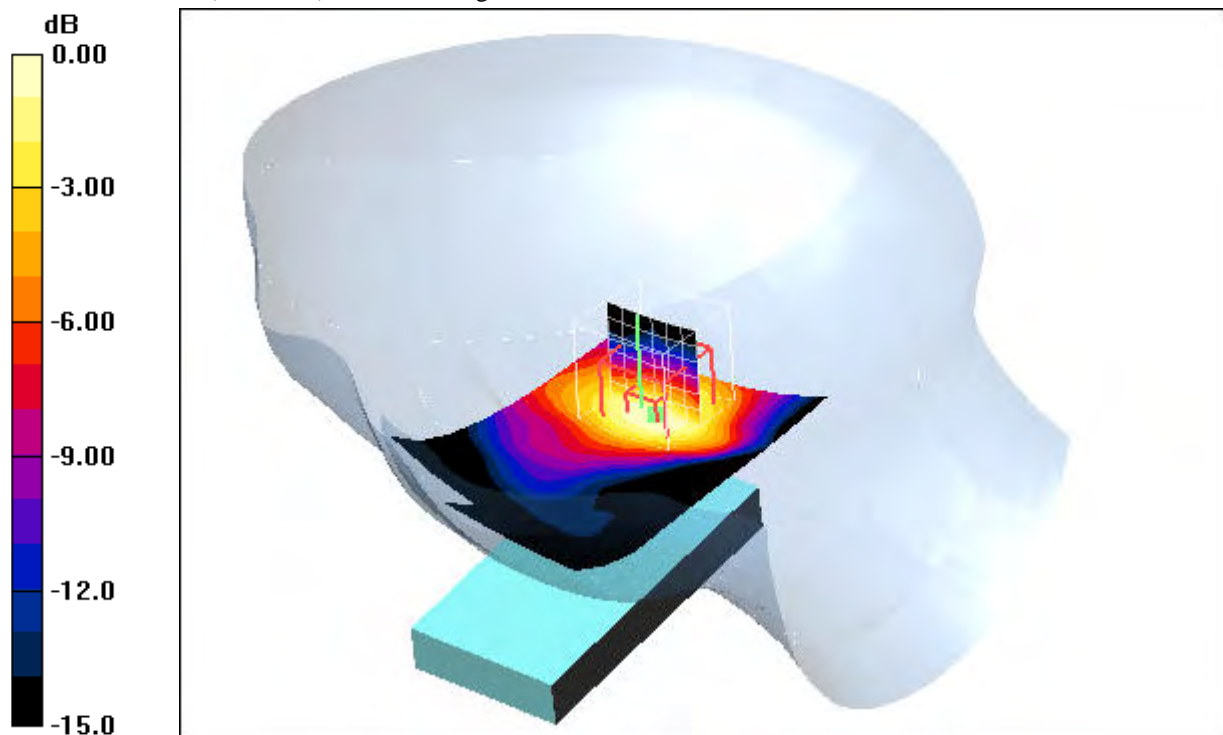
**Tilt position - Middle/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 7.01 V/m; Power Drift = 0.036 dB

Peak SAR (extrapolated) = 0.184 W/kg

**SAR(1 g) = 0.090 mW/g; SAR(10 g) = 0.045 mW/g**

Maximum value of SAR (measured) = 0.097 mW/g



0 dB = 0.097mW/g

**Additional information:**

position or distance of DUT to SAM (if not standard head positions) :

ambient temperature: 21.7°C; liquid temperature: 20.3°C

**P1528\_OET65-RightHandSide-WLAN**

**DUT: Sony Ericsson; Type: AAD-3880006-BV; Serial: CB5114ZFAL**

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

Medium: HSL2450 Medium parameters used (interpolated):  $f = 2462 \text{ MHz}$ ;  $\sigma = 1.88 \text{ mho/m}$ ;  $\epsilon_r = 38.6$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1559; ConvF(4.56, 4.56, 4.56); Calibrated: 23.01.2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn477; Calibrated: 14.05.2008
- Phantom: SAM left; Type: SAM; Serial: 1041
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 146

**Tilt position - High/Area Scan (51x81x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 0.100 mW/g

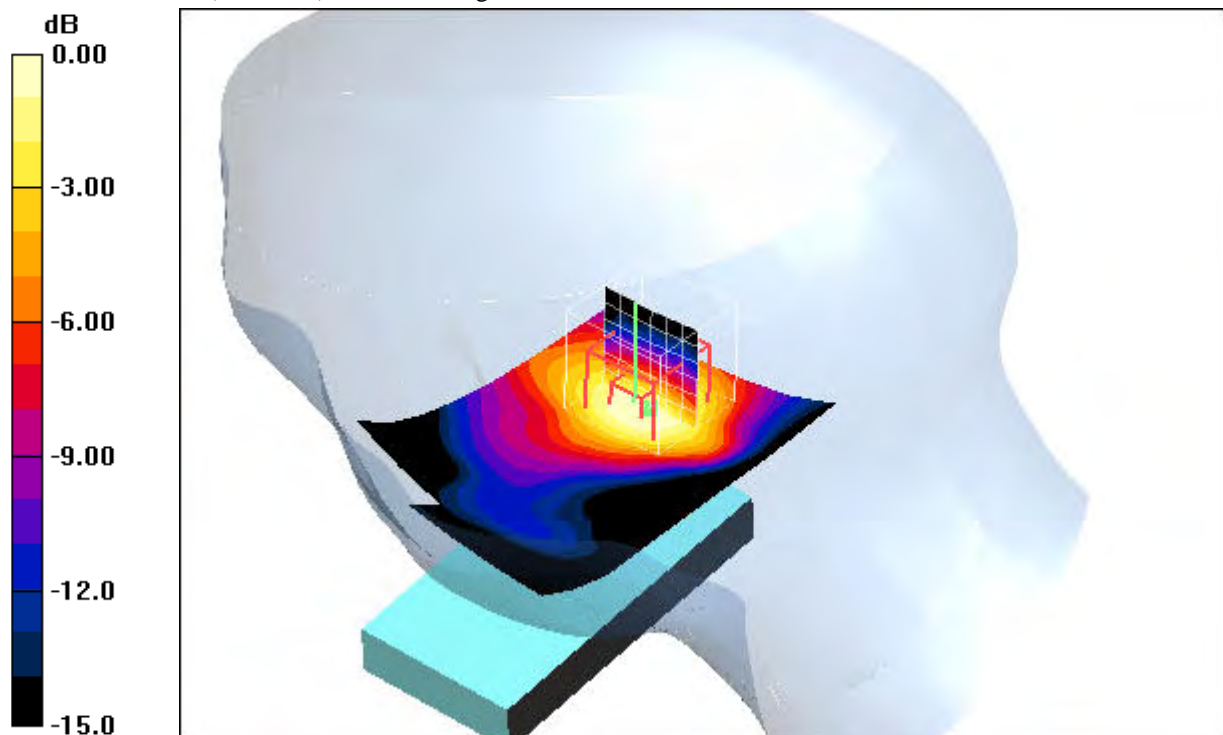
**Tilt position - High/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 7.09 V/m; Power Drift = -0.035 dB

Peak SAR (extrapolated) = 0.181 W/kg

**SAR(1 g) = 0.088 mW/g; SAR(10 g) = 0.044 mW/g**

Maximum value of SAR (measured) = 0.096 mW/g



0 dB = 0.096mW/g

**Additional information:**

position or distance of DUT to SAM (if not standard head positions) :

ambient temperature: 21.7°C; liquid temperature: 20.3°C

**P1528\_OET65-RightHandSide-WLAN**

**DUT: Sony Ericsson; Type: AAD-3880006-BV; Serial: CB5114ZFAL**

Communication System: WLAN 2450 US; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: HSL2450 Medium parameters used (interpolated):  $f = 2437 \text{ MHz}$ ;  $\sigma = 1.88 \text{ mho/m}$ ;  $\epsilon_r = 38.6$ ;  $\rho = 1000 \text{ kg/m}^3$

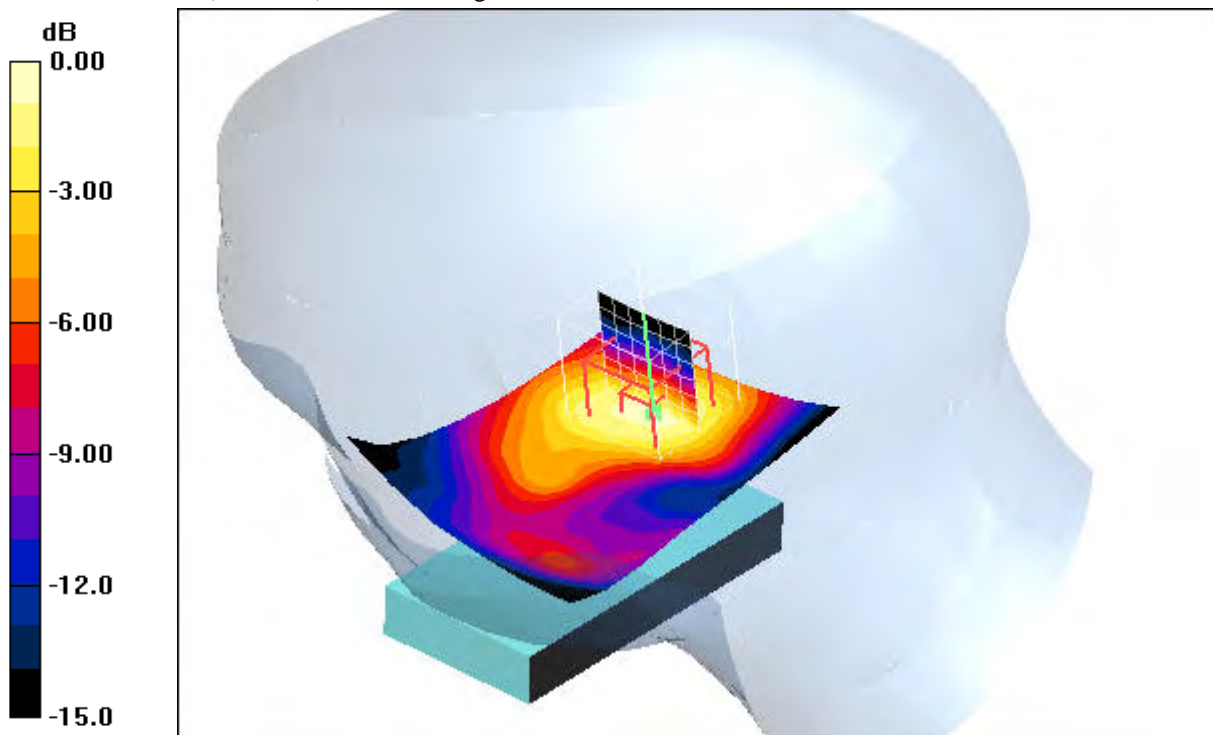
Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1559; ConvF(4.56, 4.56, 4.56); Calibrated: 23.01.2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn477; Calibrated: 14.05.2008
- Phantom: SAM left; Type: SAM; Serial: 1041
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 146

**Touch position - Middle 11 Mbps/Area Scan (51x71x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$   
 Maximum value of SAR (interpolated) = 0.090 mW/g

**Touch position - Middle 11 Mbps/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid:  
 $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$   
 Reference Value = 6.89 V/m; Power Drift = 0.110 dB  
 Peak SAR (extrapolated) = 0.194 W/kg  
**SAR(1 g) = 0.088 mW/g; SAR(10 g) = 0.044 mW/g**  
 Maximum value of SAR (measured) = 0.098 mW/g



0 dB = 0.098mW/g

**Additional information:**

position or distance of DUT to SAM (if not standard head positions) :  
 ambient temperature: 21.5°C; liquid temperature: 20.1°C

**P1528\_OET65-RightHandSide-WLAN**

**DUT: Sony Ericsson; Type: AAD-3880006-BV; Serial: CB5114ZFAL**

Communication System: WLAN 2450 US; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: HSL2450 Medium parameters used (interpolated):  $f = 2437 \text{ MHz}$ ;  $\sigma = 1.88 \text{ mho/m}$ ;  $\epsilon_r = 38.6$ ;  $\rho = 1000 \text{ kg/m}^3$

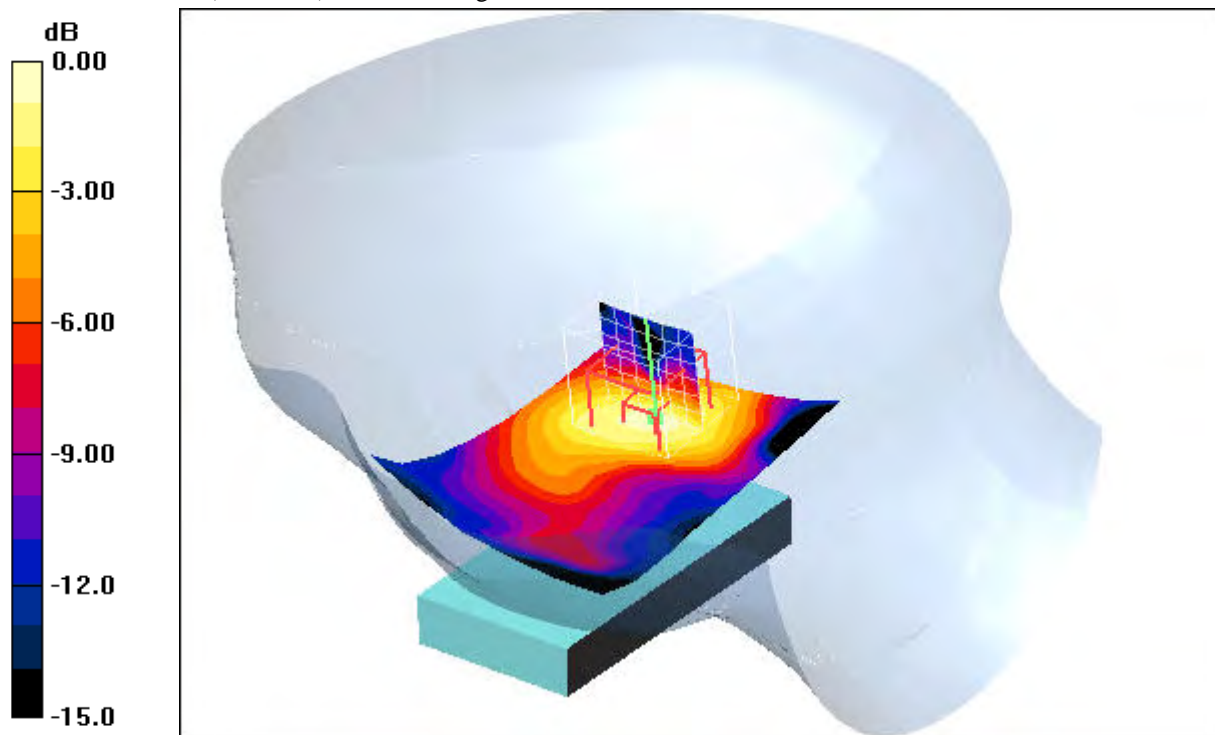
Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1559; ConvF(4.56, 4.56, 4.56); Calibrated: 23.01.2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn477; Calibrated: 14.05.2008
- Phantom: SAM left; Type: SAM; Serial: 1041
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 146

**Touch position - Middle 6 Mbps/Area Scan (51x71x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$   
 Maximum value of SAR (interpolated) = 0.031 mW/g

**Touch position - Middle 6 Mbps/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid:  
 $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$   
 Reference Value = 4.17 V/m; Power Drift = 0.184 dB  
 Peak SAR (extrapolated) = 0.071 W/kg  
**SAR(1 g) = 0.030 mW/g; SAR(10 g) = 0.015 mW/g**  
 Maximum value of SAR (measured) = 0.034 mW/g



0 dB = 0.034mW/g

**Additional information:**

position or distance of DUT to SAM (if not standard head positions) :

ambient temperature: 21.5°C; liquid temperature: 20.1°C

**P1528\_OET65-RightHandSide-WLAN**

**DUT: Sony Ericsson; Type: AAD-3880006-BV; Serial: CB5114ZFAL**

Communication System: WLAN 2450 US; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: HSL2450 Medium parameters used (interpolated):  $f = 2437 \text{ MHz}$ ;  $\sigma = 1.88 \text{ mho/m}$ ;  $\epsilon_r = 38.6$ ;  $\rho = 1000 \text{ kg/m}^3$

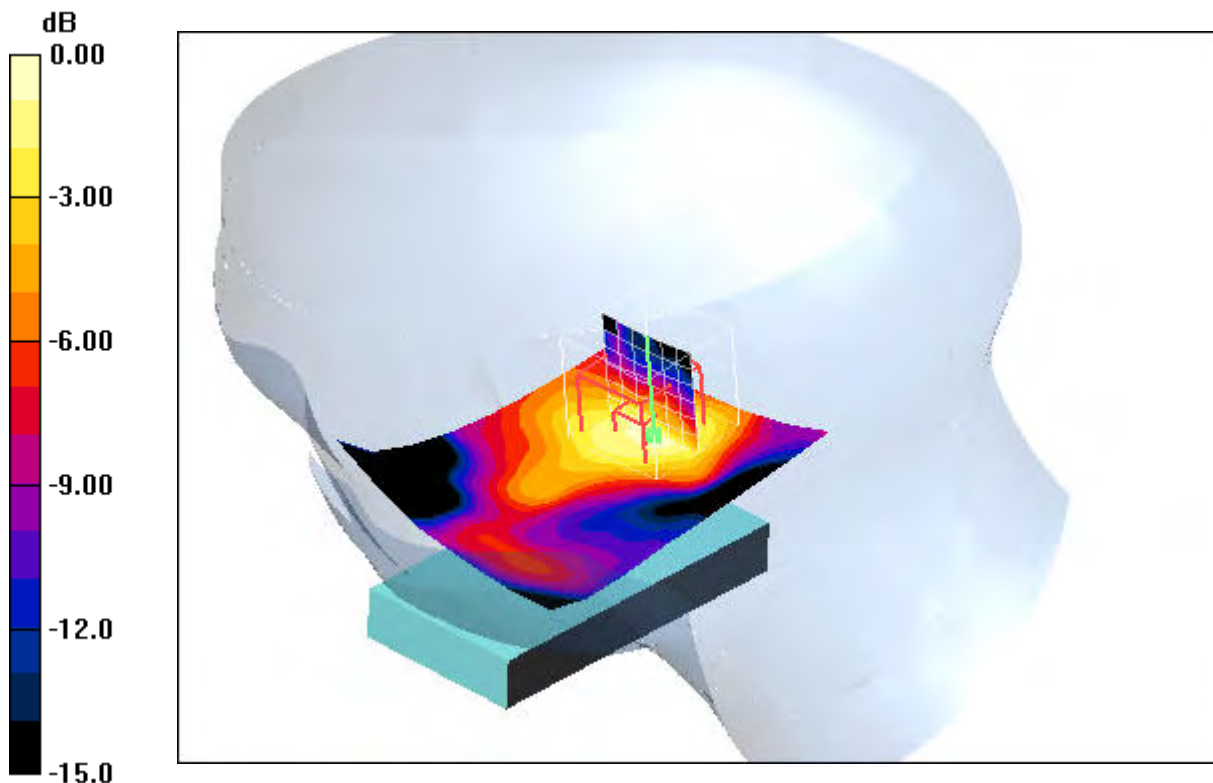
Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1559; ConvF(4.56, 4.56, 4.56); Calibrated: 23.01.2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn477; Calibrated: 14.05.2008
- Phantom: SAM left; Type: SAM; Serial: 1041
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 146

**Touch position - Middle 54 Mbps/Area Scan (51x71x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$   
 Maximum value of SAR (interpolated) = 0.038 mW/g

**Touch position - Middle 54 Mbps/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid:  
 $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$   
 Reference Value = 4.50 V/m; Power Drift = -0.023 dB  
 Peak SAR (extrapolated) = 0.090 W/kg  
**SAR(1 g) = 0.039 mW/g; SAR(10 g) = 0.020 mW/g**  
 Maximum value of SAR (measured) = 0.042 mW/g



0 dB = 0.042mW/g

**Additional information:**

position or distance of DUT to SAM (if not standard head positions) :  
 ambient temperature: 21.5°C; liquid temperature: 20.1°C

Date/Time: 30.10.2008 17:24:13 Date/Time: 30.10.2008 17:31:31

**P1528\_OET65-RightHandSide-WLAN open**

**DUT: Sony Ericsson; Type: AAD-3880006-BV; Serial: CB5114ZFAL**

Communication System: WLAN 2450 US; Frequency: 2412 MHz; Duty Cycle: 1:1

Medium: HSL2450 Medium parameters used (interpolated):  $f = 2412 \text{ MHz}$ ;  $\sigma = 1.88 \text{ mho/m}$ ;  $\epsilon_r = 38.6$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1559; ConvF(4.56, 4.56, 4.56); Calibrated: 23.01.2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn477; Calibrated: 14.05.2008
- Phantom: SAM left; Type: SAM; Serial: 1041
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 146

**Touch position - Low/Area Scan (51x91x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 0.047 mW/g

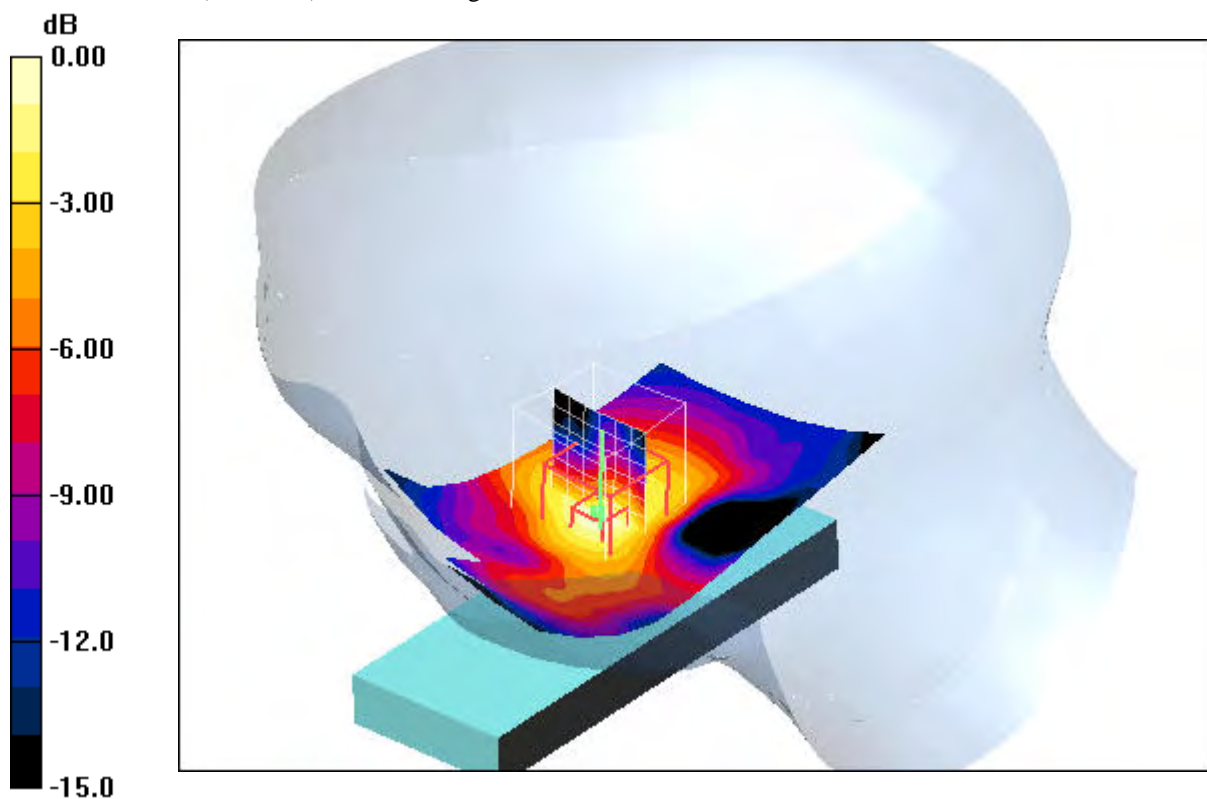
**Touch position - Low/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 5.13 V/m; Power Drift = 0.067 dB

Peak SAR (extrapolated) = 0.073 W/kg

**SAR(1 g) = 0.043 mW/g; SAR(10 g) = 0.022 mW/g**

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



0 dB = 0.050mW/g

**Additional information:**

position or distance of DUT to SAM (if not standard head positions) :

ambient temperature: 21.7°C; liquid temperature: 20.3°C

**P1528\_OET65-RightHandSide-WLAN open**

**DUT: Sony Ericsson; Type: AAD-3880006-BV; Serial: CB5114ZFAL**

Communication System: WLAN 2450 US; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: HSL2450 Medium parameters used (interpolated):  $f = 2437 \text{ MHz}$ ;  $\sigma = 1.88 \text{ mho/m}$ ;  $\epsilon_r = 38.6$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1559; ConvF(4.56, 4.56, 4.56); Calibrated: 23.01.2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn477; Calibrated: 14.05.2008
- Phantom: SAM left; Type: SAM; Serial: 1041
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 146

**Touch position - Middle/Area Scan (51x91x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

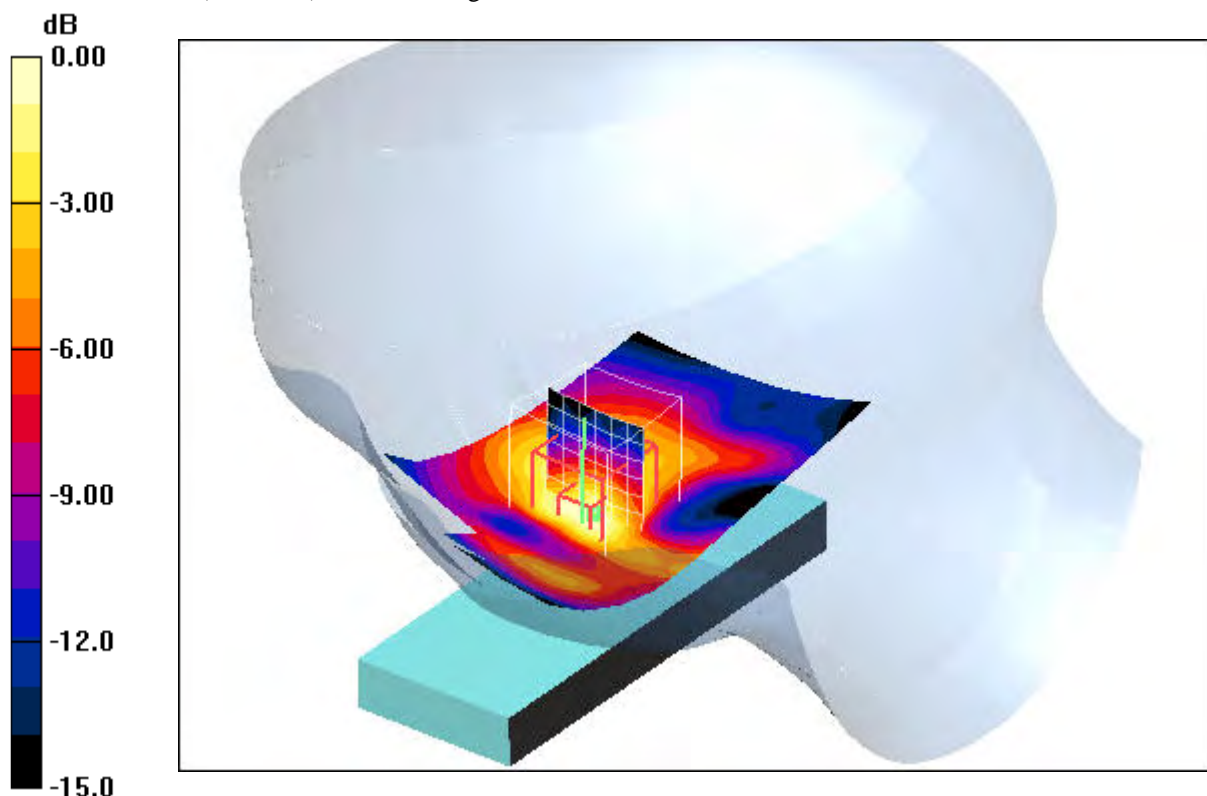
**Touch position - Middle/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 5.49 V/m; Power Drift = -0.178 dB

Peak SAR (extrapolated) = 0.106 W/kg

**SAR(1 g) = 0.063 mW/g; SAR(10 g) = 0.032 mW/g**

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



0 dB = 0.072mW/g

**Additional information:**

position or distance of DUT to SAM (if not standard head positions) :

ambient temperature: 21.7°C; liquid temperature: 20.3°C

**P1528\_OET65-RightHandSide-WLAN open**

**DUT: Sony Ericsson; Type: AAD-3880006-BV; Serial: CB5114ZFAL**

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

Medium: HSL2450 Medium parameters used (interpolated):  $f = 2462 \text{ MHz}$ ;  $\sigma = 1.88 \text{ mho/m}$ ;  $\epsilon_r = 38.6$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1559; ConvF(4.56, 4.56, 4.56); Calibrated: 23.01.2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn477; Calibrated: 14.05.2008
- Phantom: SAM left; Type: SAM; Serial: 1041
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 146

**Touch position - High/Area Scan (51x91x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 0.058 mW/g

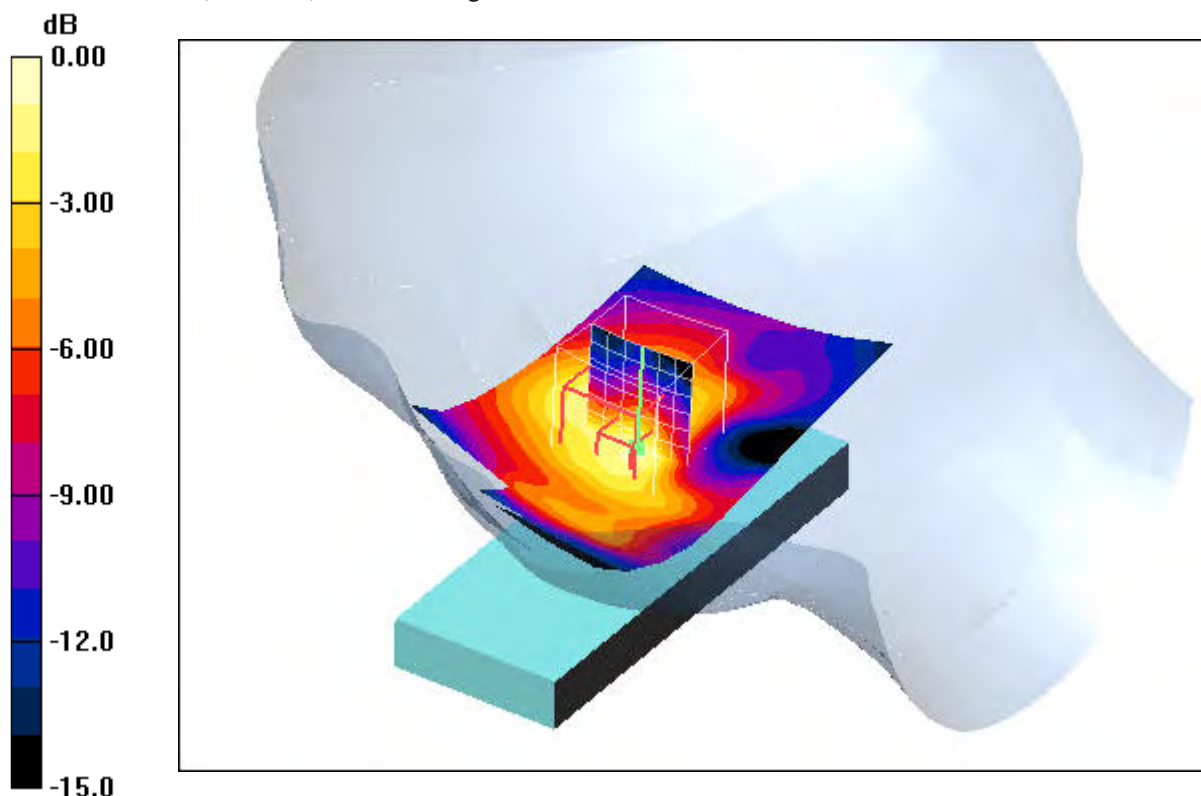
**Touch position - High/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 5.19 V/m; Power Drift = -0.044 dB

Peak SAR (extrapolated) = 0.117 W/kg

**SAR(1 g) = 0.059 mW/g; SAR(10 g) = 0.031 mW/g**

Maximum value of SAR (measured) = 0.067 mW/g



0 dB = 0.067mW/g

**Additional information:**

position or distance of DUT to SAM (if not standard head positions) :

ambient temperature: 21.7°C; liquid temperature: 20.3°C



Date/Time: 30.10.2008 16:50:28 Date/Time: 30.10.2008 16:57:18 Date/Time: 30.10.2008 17:09:55

**P1528\_OET65-RightHandSide-WLAN open**

**DUT: Sony Ericsson; Type: AAD-3880006-BV; Serial: CB5114ZFAL**

Communication System: WLAN 2450 US; Frequency: 2412 MHz; Duty Cycle: 1:1

Medium: HSL2450 Medium parameters used (interpolated):  $f = 2412 \text{ MHz}$ ;  $\sigma = 1.88 \text{ mho/m}$ ;  $\epsilon_r = 38.6$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1559; ConvF(4.56, 4.56, 4.56); Calibrated: 23.01.2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn477; Calibrated: 14.05.2008
- Phantom: SAM left; Type: SAM; Serial: 1041
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 146

**Tilt position - Low/Area Scan (51x91x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 0.024 mW/g

**Tilt position - Low/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 3.61 V/m; Power Drift = -0.035 dB

Peak SAR (extrapolated) = 0.058 W/kg

**SAR(1 g) = 0.024 mW/g; SAR(10 g) = 0.012 mW/g**

Maximum value of SAR (measured) = 0.027 mW/g

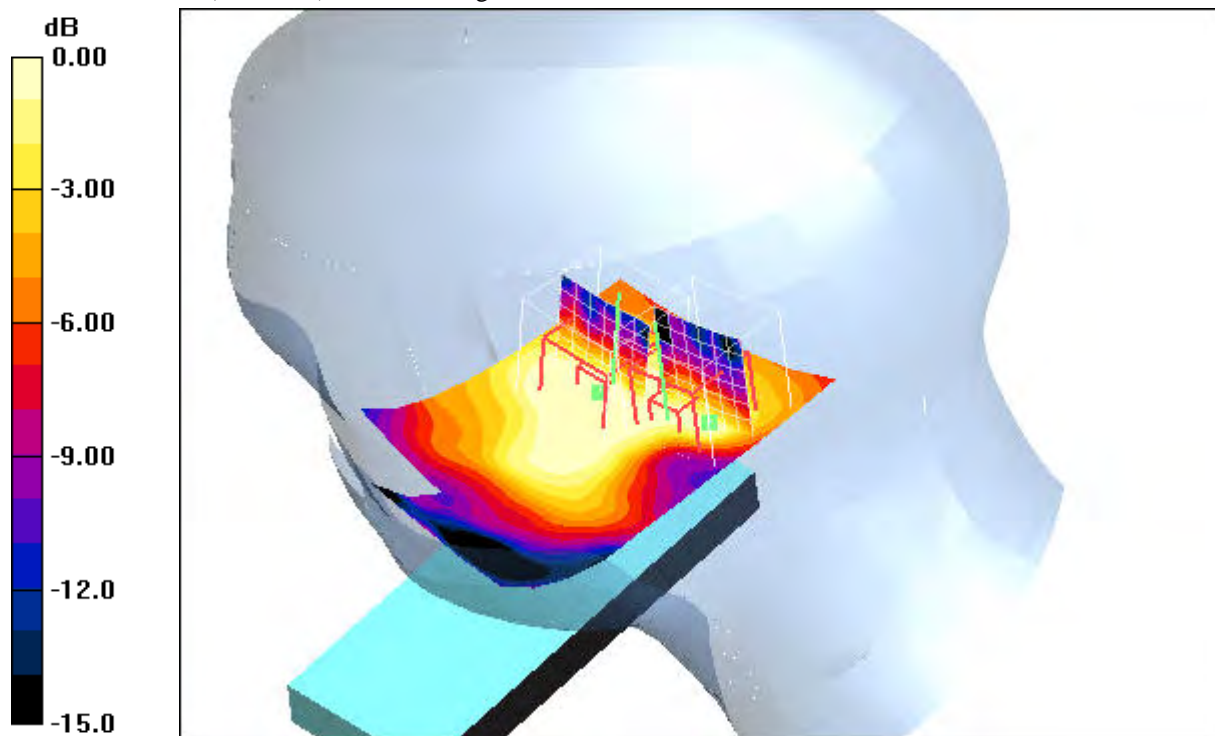
**Tilt position - Low/Zoom Scan (7x7x7) (7x7x7)/Cube 1:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 3.61 V/m; Power Drift = -0.035 dB

Peak SAR (extrapolated) = 0.026 W/kg

**SAR(1 g) = 0.013 mW/g; SAR(10 g) = 0.00683 mW/g**

Maximum value of SAR (measured) = 0.015 mW/g



0 dB = 0.015mW/g

**Additional information:**

position or distance of DUT to SAM (if not standard head positions) :

ambient temperature: 21.7°C; liquid temperature: 20.3°C

**P1528\_OET65-RightHandSide-WLAN open**

**DUT: Sony Ericsson; Type: AAD-3880006-BV; Serial: CB5114ZFAL**

Communication System: WLAN 2450 US; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: HSL2450 Medium parameters used (interpolated):  $f = 2437 \text{ MHz}$ ;  $\sigma = 1.88 \text{ mho/m}$ ;  $\epsilon_r = 38.6$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1559; ConvF(4.56, 4.56, 4.56); Calibrated: 23.01.2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn477; Calibrated: 14.05.2008
- Phantom: SAM left; Type: SAM; Serial: 1041
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 146

**Tilt position - Middle/Area Scan (51x91x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 0.031 mW/g

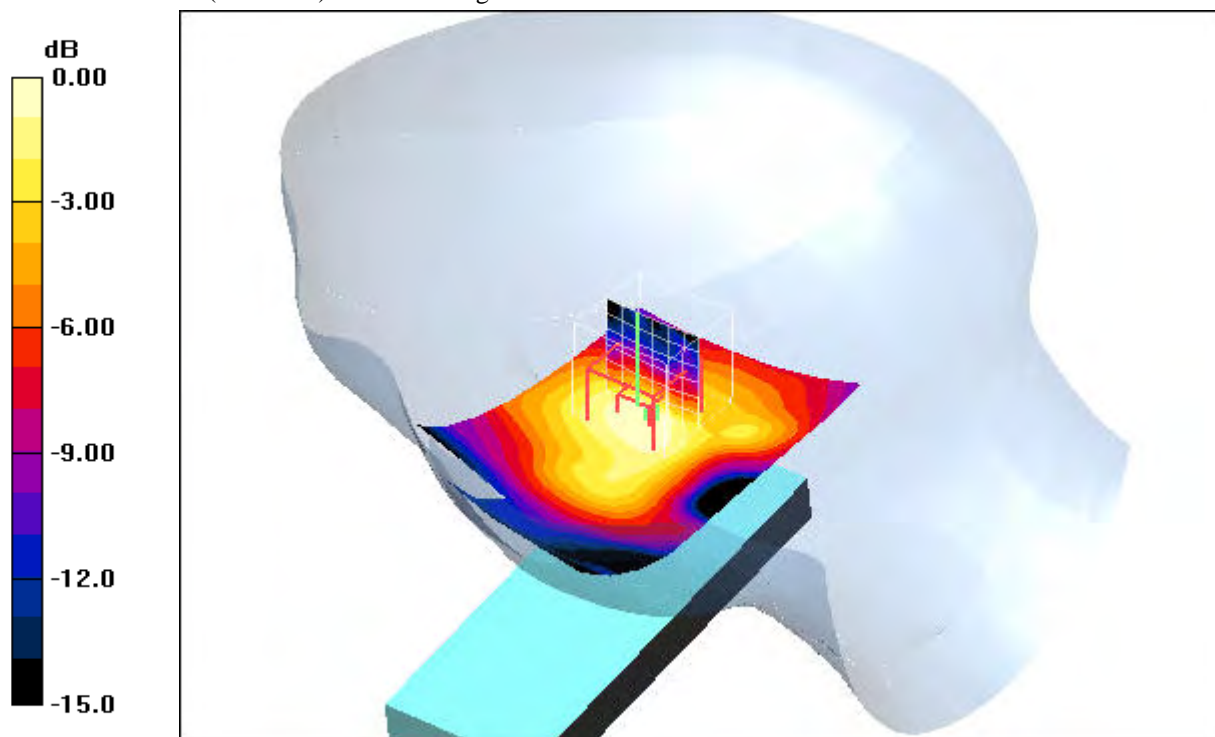
**Tilt position - Middle/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 4.01 V/m; Power Drift = 0.127 dB

Peak SAR (extrapolated) = 0.065 W/kg

**SAR(1 g) = 0.028 mW/g; SAR(10 g) = 0.015 mW/g**

Maximum value of SAR (measured) = 0.030 mW/g



0 dB = 0.030mW/g

**Additional information:**

position or distance of DUT to SAM (if not standard head positions) :

ambient temperature: 21.7°C; liquid temperature: 20.3°C

Date/Time: 30.10.2008 20:10:20 Date/Time: 30.10.2008 20:17:24 Date/Time: 30.10.2008 20:29:58

**P1528\_OET65-RightHandSide-WLAN open**

**DUT: Sony Ericsson; Type: AAD-3880006-BV; Serial: CB5114ZFAL**

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

Medium: HSL2450 Medium parameters used (interpolated):  $f = 2462 \text{ MHz}$ ;  $\sigma = 1.88 \text{ mho/m}$ ;  $\epsilon_r = 38.6$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1559; ConvF(4.56, 4.56, 4.56); Calibrated: 23.01.2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn477; Calibrated: 14.05.2008
- Phantom: SAM left; Type: SAM; Serial: 1041
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 146

**Tilt position - High/Area Scan (51x91x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 0.031 mW/g

**Tilt position - High/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 3.95 V/m; Power Drift = 0.132 dB

Peak SAR (extrapolated) = 0.079 W/kg

**SAR(1 g) = 0.032 mW/g; SAR(10 g) = 0.016 mW/g**

Maximum value of SAR (measured) = 0.035 mW/g

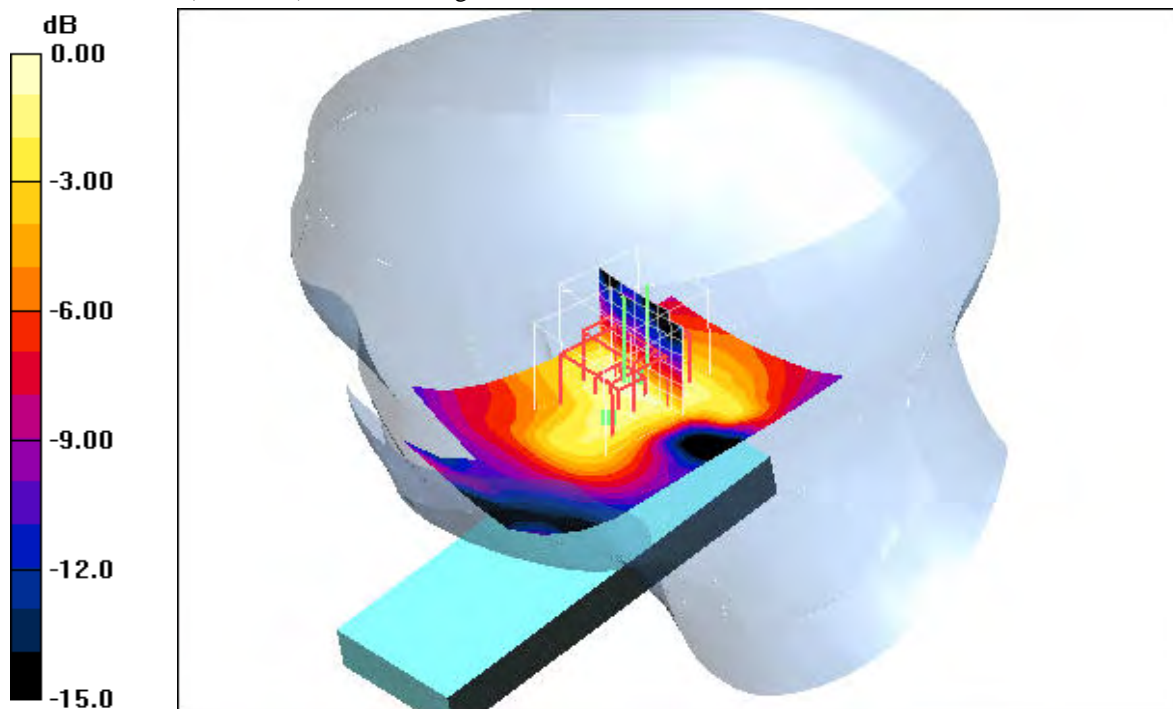
**Tilt position - High/Zoom Scan (7x7x7) (7x7x7)/Cube 1:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 3.95 V/m; Power Drift = 0.132 dB

Peak SAR (extrapolated) = 0.054 W/kg

**SAR(1 g) = 0.023 mW/g; SAR(10 g) = 0.012 mW/g**

Maximum value of SAR (measured) = 0.030 mW/g



0 dB = 0.030mW/g

**Additional information:**

position or distance of DUT to SAM (if not standard head positions) :

ambient temperature: 21.7°C; liquid temperature: 20.3°C

**Annex 2.6 WLAN 2450 MHz body**

Date/Time: 31.10.2008 08:57:13 Date/Time: 31.10.2008 09:03:06

**P1528\_OET65-Body-WLAN**

**DUT: Sony Ericsson; Type: AAD-3880006-BV; Serial: CB5114ZFAL**

Communication System: WLAN 2450 US; Frequency: 2412 MHz; Duty Cycle: 1:1

Medium: M2450 Medium parameters used (interpolated):  $f = 2412 \text{ MHz}$ ;  $\sigma = 1.99 \text{ mho/m}$ ;  $\epsilon_r = 52.2$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1559; ConvF(3.98, 3.98, 3.98); Calibrated: 23.01.2008
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn477; Calibrated: 14.05.2008
- Phantom: SAM left; Type: SAM; Serial: 1041
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 146

**Front position - Low/Area Scan (51x81x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 0.041 mW/g

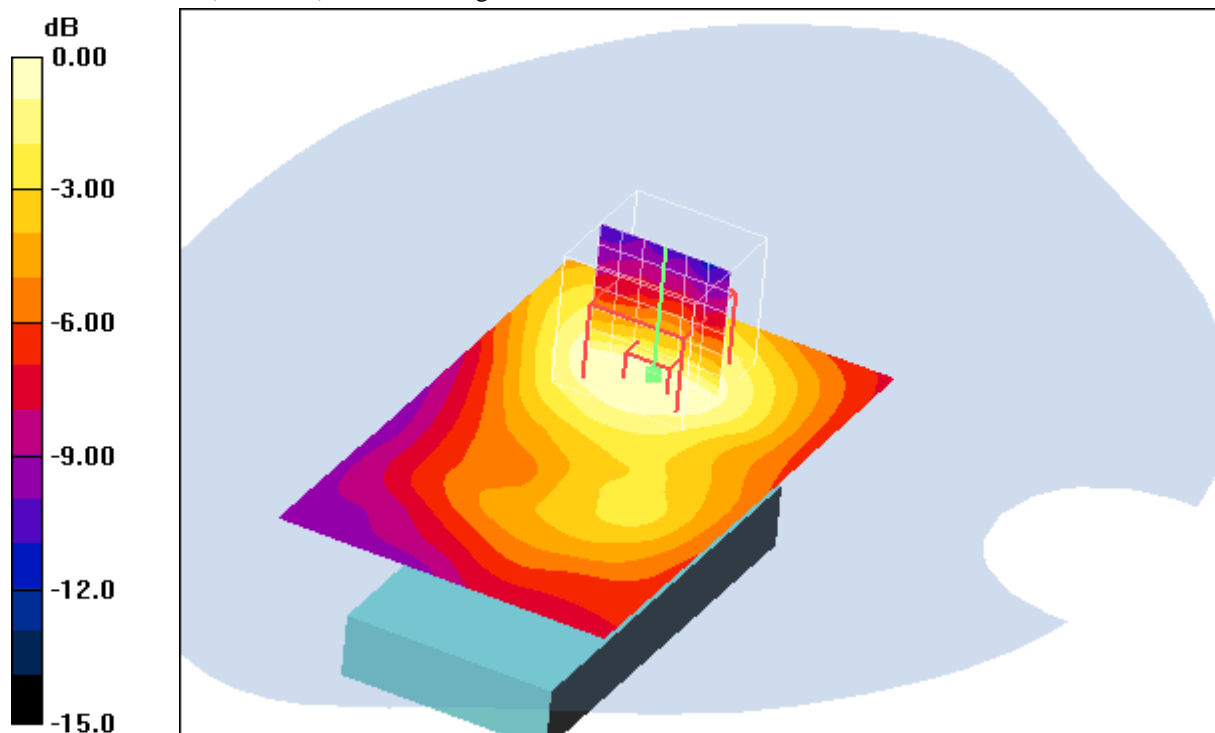
**Front position - Low/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 4.45 V/m; Power Drift = -0.191 dB

Peak SAR (extrapolated) = 0.065 W/kg

**SAR(1 g) = 0.034 mW/g; SAR(10 g) = 0.021 mW/g**

Maximum value of SAR (measured) = 0.036 mW/g



0 dB = 0.036mW/g

**Additional information:**

position or distance of DUT to SAM (if not standard head positions) : 15 mm

ambient temperature: 21.9°C; liquid temperature: 20.2°C

**P1528\_OET65-Body-WLAN**

**DUT: Sony Ericsson; Type: AAD-3880006-BV; Serial: CB5114ZFAL**

Communication System: WLAN 2450 US; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: M2450 Medium parameters used (interpolated):  $f = 2437 \text{ MHz}$ ;  $\sigma = 1.99 \text{ mho/m}$ ;  $\epsilon_r = 52.2$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1559; ConvF(3.98, 3.98, 3.98); Calibrated: 23.01.2008
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn477; Calibrated: 14.05.2008
- Phantom: SAM left; Type: SAM; Serial: 1041
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 146

**Front position - Middle/Area Scan (51x81x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 0.039 mW/g

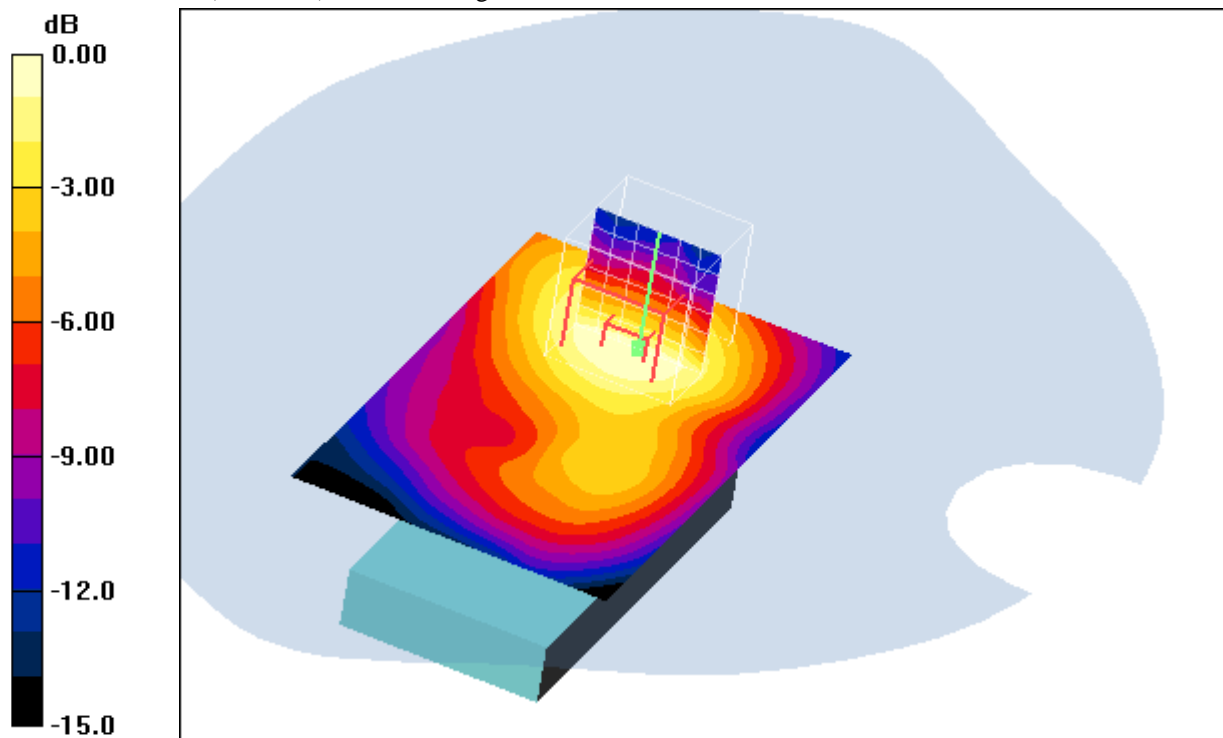
**Front position - Middle/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 4.37 V/m; Power Drift = -0.056 dB

Peak SAR (extrapolated) = 0.066 W/kg

**SAR(1 g) = 0.035 mW/g; SAR(10 g) = 0.020 mW/g**

Maximum value of SAR (measured) = 0.037 mW/g



0 dB = 0.037mW/g

**Additional information:**

position or distance of DUT to SAM (if not standard head positions) : 15 mm

ambient temperature: 21.9°C; liquid temperature: 20.2°C

**P1528\_OET65-Body-WLAN**

**DUT: Sony Ericsson; Type: AAD-3880006-BV; Serial: CB5114ZFAL**

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

Medium: M2450 Medium parameters used (interpolated):  $f = 2462 \text{ MHz}$ ;  $\sigma = 1.99 \text{ mho/m}$ ;  $\epsilon_r = 52.2$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1559; ConvF(3.98, 3.98, 3.98); Calibrated: 23.01.2008
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection) Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn477; Calibrated: 14.05.2008
- Phantom: SAM left; Type: SAM; Serial: 1041
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 146

**Front position - High/Area Scan (51x81x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 0.042 mW/g

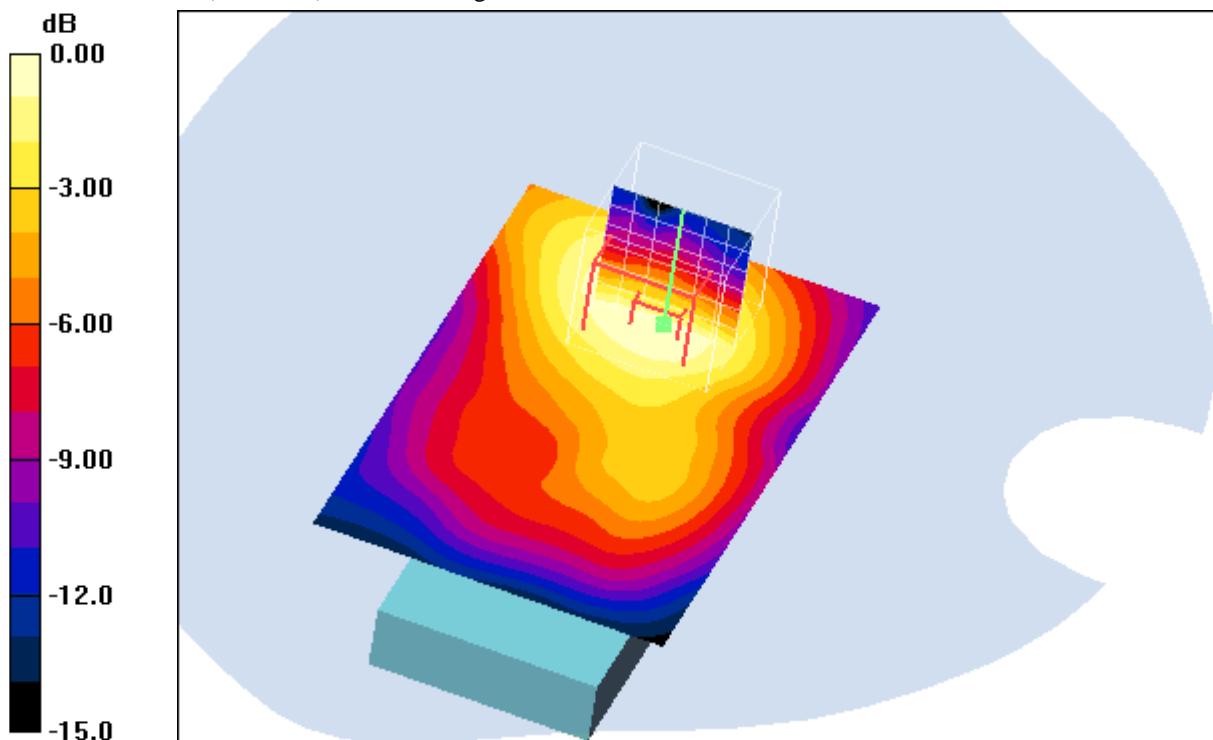
**Front position - High/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 4.53 V/m; Power Drift = -0.171 dB

Peak SAR (extrapolated) = 0.073 W/kg

**SAR(1 g) = 0.038 mW/g; SAR(10 g) = 0.022 mW/g**

Maximum value of SAR (measured) = 0.041 mW/g



0 dB = 0.041mW/g

**Additional information:**

position or distance of DUT to SAM (if not standard head positions) : 15 mm

ambient temperature: 21.9°C; liquid temperature: 20.2°C

**P1528\_OET65-Body-WLAN**

**DUT: Sony Ericsson; Type: AAD-3880006-BV; Serial: CB5114ZFAL**

Communication System: WLAN 2450 US; Frequency: 2412 MHz; Duty Cycle: 1:1

Medium: M2450 Medium parameters used (interpolated):  $f = 2412 \text{ MHz}$ ;  $\sigma = 1.99 \text{ mho/m}$ ;  $\epsilon_r = 52.2$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1559; ConvF(3.98, 3.98, 3.98); Calibrated: 23.01.2008
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn477; Calibrated: 14.05.2008
- Phantom: SAM left; Type: SAM; Serial: 1041
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 146

**Rear position - Low/Area Scan (51x81x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 0.055 mW/g

**Rear position - Low/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,

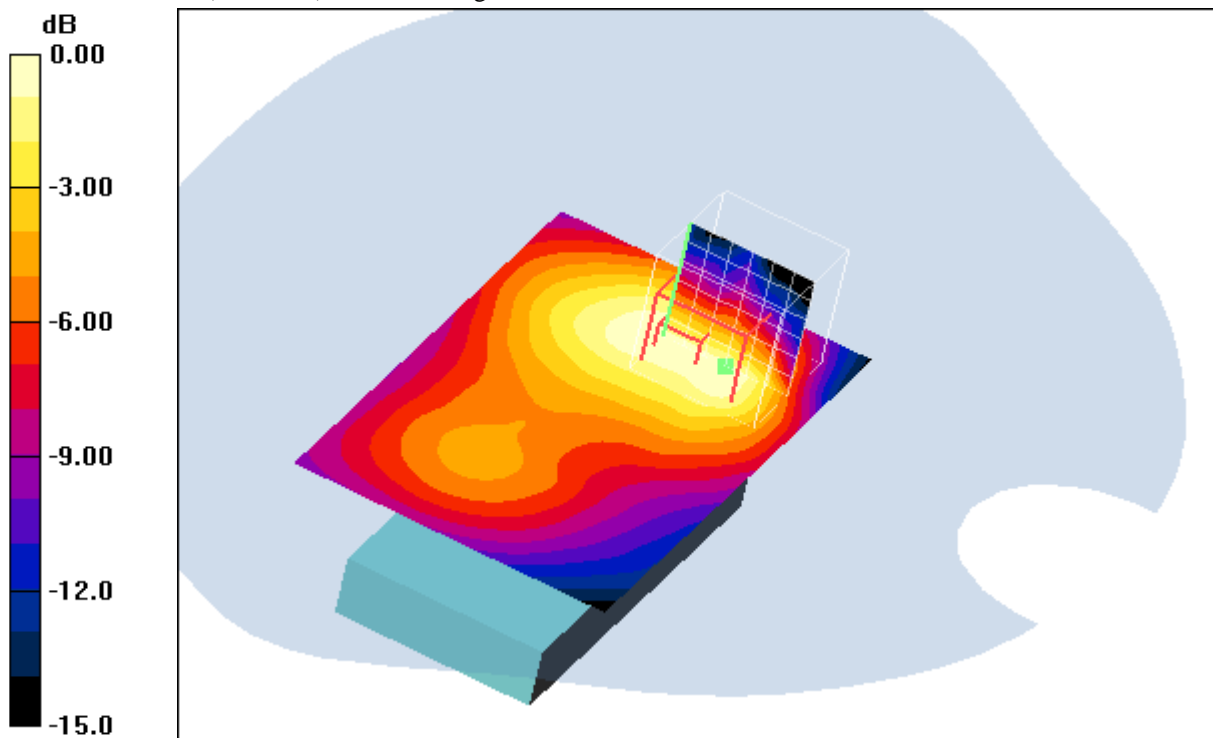
$dz=5\text{mm}$

Reference Value = 4.94 V/m; Power Drift = -0.111 dB

Peak SAR (extrapolated) = 0.099 W/kg

**SAR(1 g) = 0.050 mW/g; SAR(10 g) = 0.027 mW/g**

Maximum value of SAR (measured) = 0.054 mW/g



0 dB = 0.054mW/g

**Additional information:**

position or distance of DUT to SAM (if not standard head positions) : 15 mm

ambient temperature: 21.9°C; liquid temperature: 20.2°C

**P1528\_OET65-Body-WLAN**

**DUT: Sony Ericsson; Type: AAD-3880006-BV; Serial: CB5114ZFAL**

Communication System: WLAN 2450 US; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: M2450 Medium parameters used (interpolated):  $f = 2437 \text{ MHz}$ ;  $\sigma = 1.99 \text{ mho/m}$ ;  $\epsilon_r = 52.2$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1559; ConvF(3.98, 3.98, 3.98); Calibrated: 23.01.2008
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn477; Calibrated: 14.05.2008
- Phantom: SAM left; Type: SAM; Serial: 1041
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 146

**Rear position - Middle/Area Scan (51x81x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 0.069 mW/g

**Rear position - Middle/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,

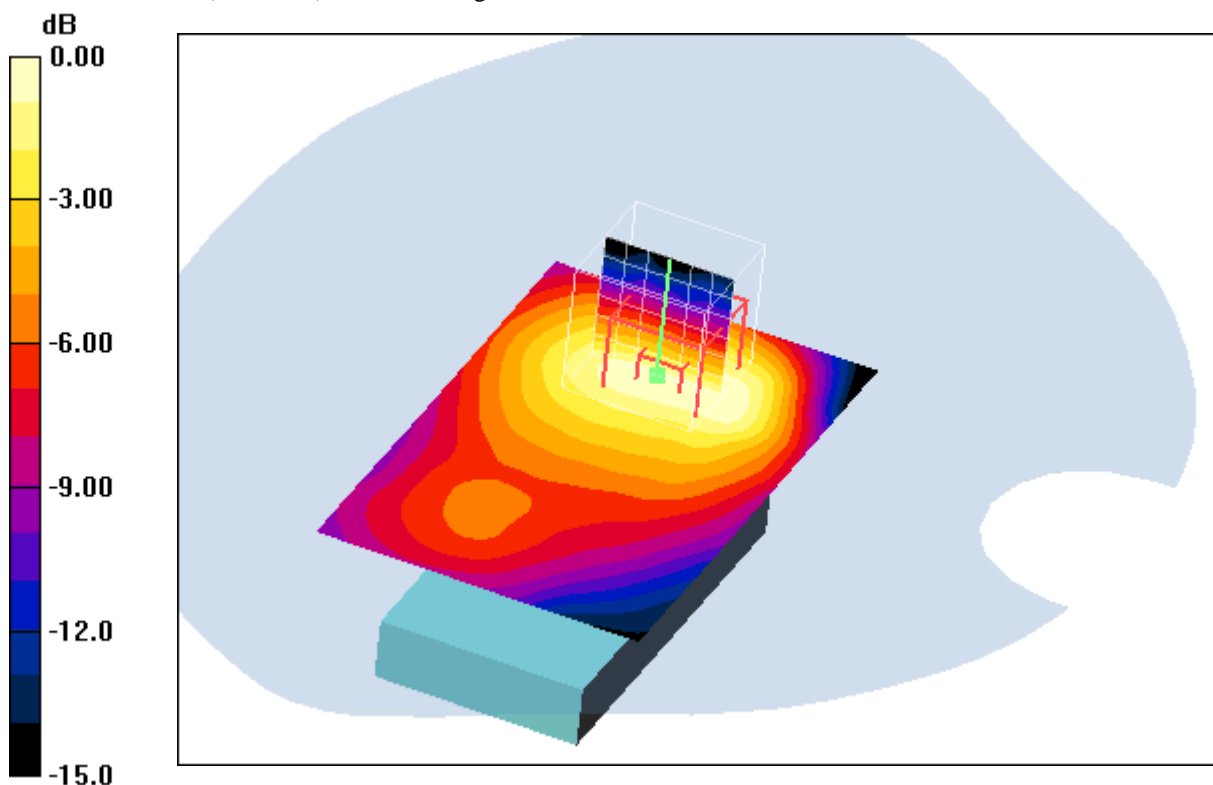
$dz=5\text{mm}$

Reference Value = 6.09 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.138 W/kg

**SAR(1 g) = 0.068 mW/g; SAR(10 g) = 0.038 mW/g**

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



0 dB = 0.072mW/g

**Additional information:**

position or distance of DUT to SAM (if not standard head positions) : 15 mm

ambient temperature: 21.9°C; liquid temperature: 20.2°C



**P1528\_OET65-Body-WLAN**

**DUT: Sony Ericsson; Type: AAD-3880006-BV; Serial: CB5114ZFAL**

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

Medium: M2450 Medium parameters used (interpolated):  $f = 2462 \text{ MHz}$ ;  $\sigma = 1.99 \text{ mho/m}$ ;  $\epsilon_r = 52.2$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1559; ConvF(3.98, 3.98, 3.98); Calibrated: 23.01.2008
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection) Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn477; Calibrated: 14.05.2008
- Phantom: SAM left; Type: SAM; Serial: 1041
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 146

**Rear position - High/Area Scan (51x81x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 0.093 mW/g

**Rear position - High/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,

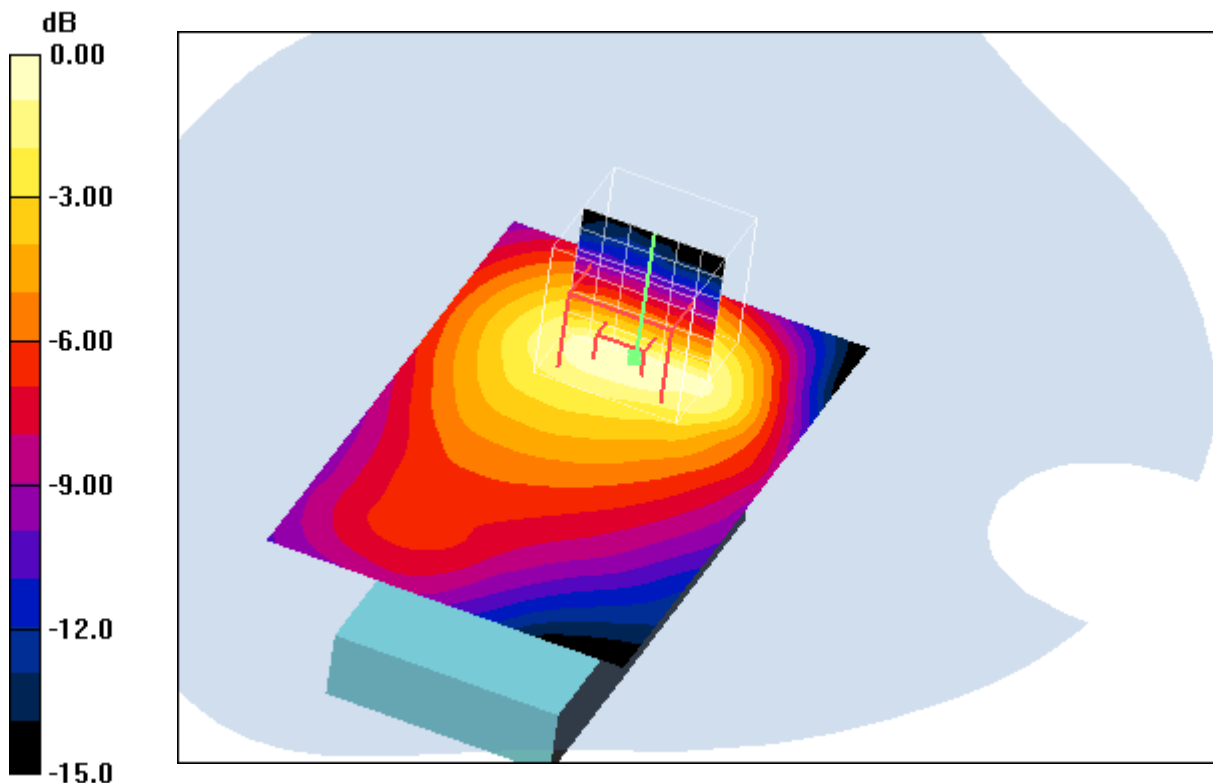
$dz=5\text{mm}$

Reference Value = 6.96 V/m; Power Drift = -0.054 dB

Peak SAR (extrapolated) = 0.181 W/kg

**SAR(1 g) = 0.088 mW/g; SAR(10 g) = 0.048 mW/g**

Maximum value of SAR (measured) = 0.095 mW/g



0 dB = 0.095mW/g

**Additional information:**

position or distance of DUT to SAM (if not standard head positions) : 15 mm

ambient temperature: 21.9°C; liquid temperature: 20.2°C

**P1528\_OET65-Body-WLAN**

**DUT: Sony Ericsson; Type: AAD-3880006-BV; Serial: CB5114ZFAL**

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

Medium: M2450 Medium parameters used (interpolated):  $f = 2462 \text{ MHz}$ ;  $\sigma = 1.99 \text{ mho/m}$ ;  $\epsilon_r = 52.2$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1559; ConvF(3.98, 3.98, 3.98); Calibrated: 23.01.2008
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection) Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn477; Calibrated: 14.05.2008
- Phantom: SAM left; Type: SAM; Serial: 1041
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 146

**Rear position - High 11Mbps/Area Scan (51x81x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$   
 Maximum value of SAR (interpolated) = 0.084 mW/g

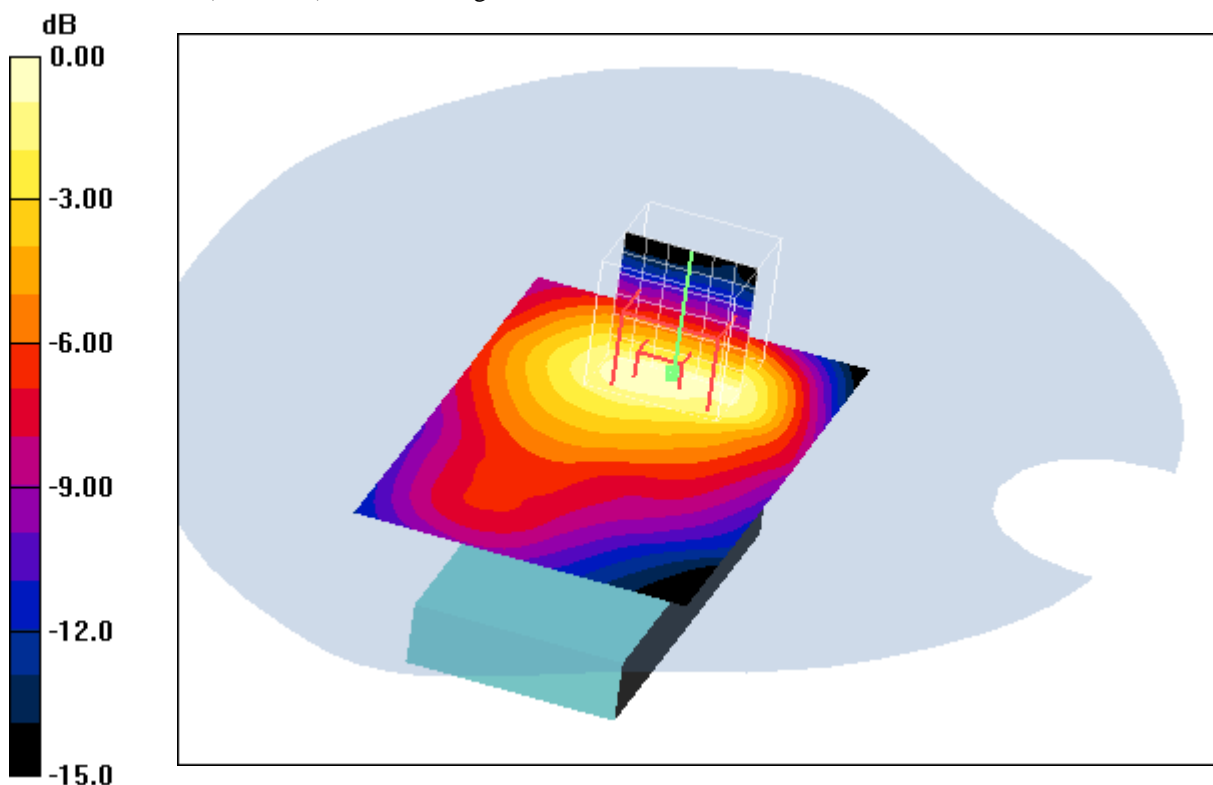
**Rear position - High 11Mbps/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 6.49 V/m; Power Drift = -0.054 dB

Peak SAR (extrapolated) = 0.165 W/kg

**SAR(1 g) = 0.080 mW/g; SAR(10 g) = 0.043 mW/g**

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



0 dB = 0.087mW/g

**Additional information:**

position or distance of DUT to SAM (if not standard head positions) : 15 mm

ambient temperature: 21.9°C; liquid temperature: 20.2°C

**P1528\_OET65-Body-WLAN**

**DUT: Sony Ericsson; Type: AAD-3880006-BV; Serial: CB5114ZFAL**

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

Medium: M2450 Medium parameters used (interpolated):  $f = 2462 \text{ MHz}$ ;  $\sigma = 1.99 \text{ mho/m}$ ;  $\epsilon_r = 52.2$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1559; ConvF(3.98, 3.98, 3.98); Calibrated: 23.01.2008
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection) Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn477; Calibrated: 14.05.2008
- Phantom: SAM left; Type: SAM; Serial: 1041
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 146

**Rear position - High 6Mbps/Area Scan (51x81x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 0.025 mW/g

**Rear position - High 6Mbps/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

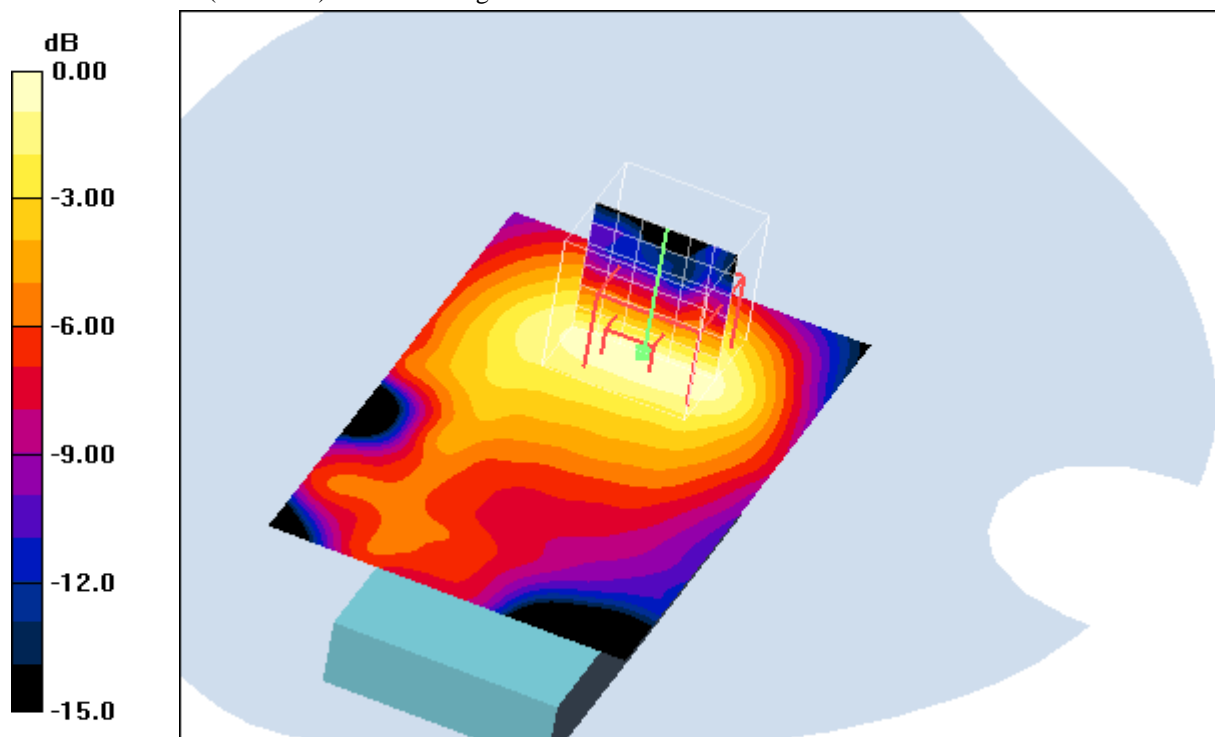
$dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 3.44 V/m; Power Drift = -0.184 dB

Peak SAR (extrapolated) = 0.046 W/kg

**SAR(1 g) = 0.022 mW/g; SAR(10 g) = 0.012 mW/g**

Maximum value of SAR (measured) = 0.025 mW/g



0 dB = 0.025mW/g

**Additional information:**

position or distance of DUT to SAM (if not standard head positions) : 15 mm

ambient temperature: 21.9°C; liquid temperature: 20.2°C

**P1528\_OET65-Body-WLAN**

**DUT: Sony Ericsson; Type: AAD-3880006-BV; Serial: CB5114ZFAL**

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

Medium: M2450 Medium parameters used (interpolated):  $f = 2462 \text{ MHz}$ ;  $\sigma = 1.99 \text{ mho/m}$ ;  $\epsilon_r = 52.2$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1559; ConvF(3.98, 3.98, 3.98); Calibrated: 23.01.2008
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection) Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn477; Calibrated: 14.05.2008
- Phantom: SAM left; Type: SAM; Serial: 1041
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 146

**Rear position - High 54Mbps/Area Scan (51x81x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$   
 Maximum value of SAR (interpolated) = 0.028 mW/g

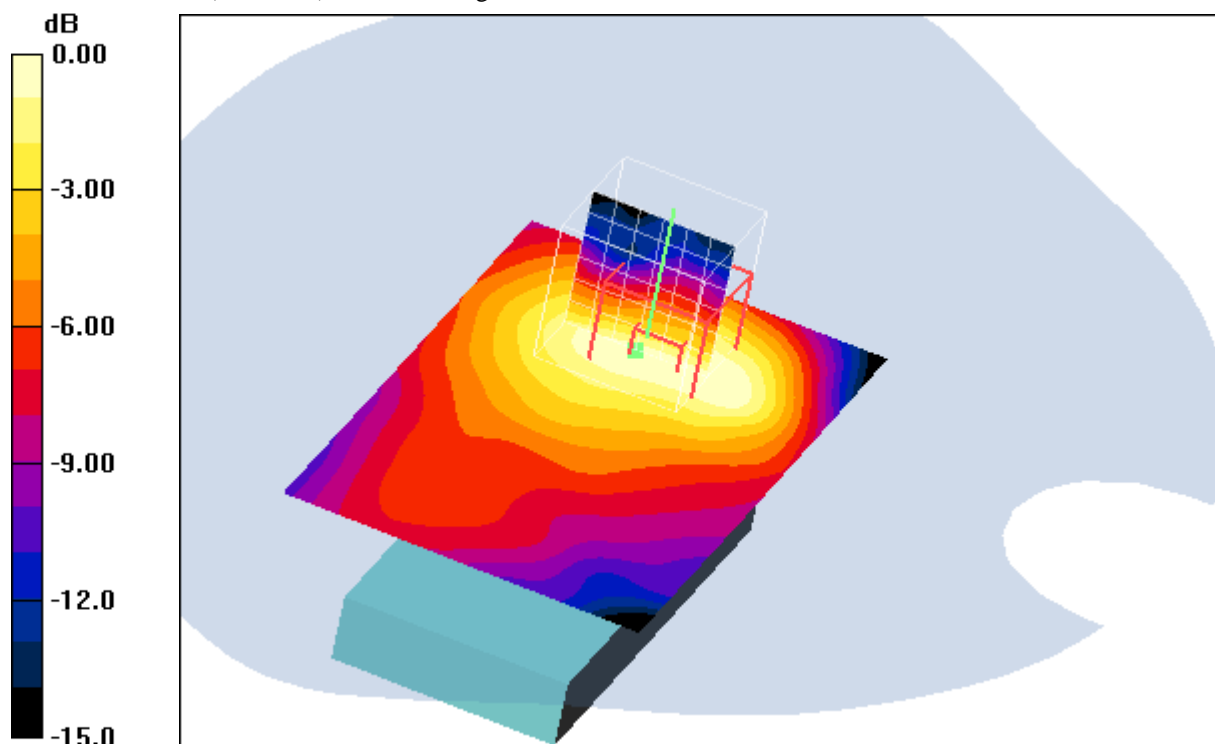
**Rear position - High 54Mbps/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 3.66 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 0.052 W/kg

**SAR(1 g) = 0.025 mW/g; SAR(10 g) = 0.014 mW/g**

Maximum value of SAR (measured) = 0.027 mW/g



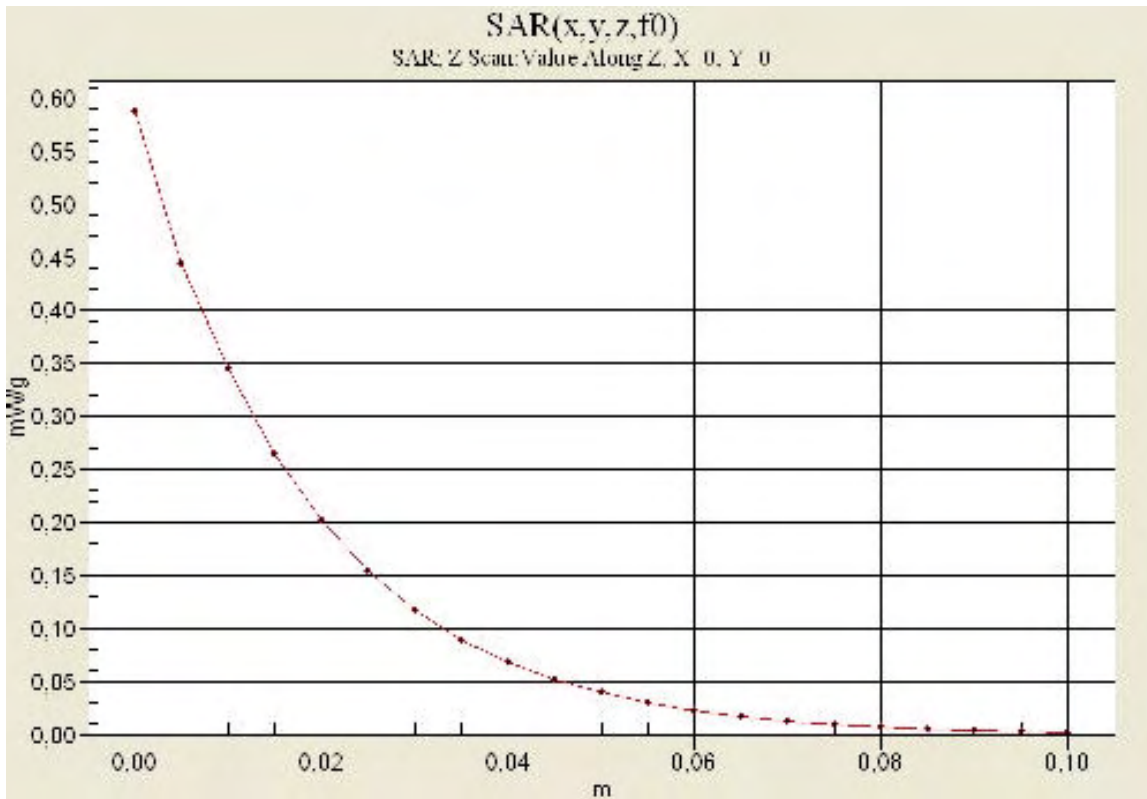
0 dB = 0.027mW/g

**Additional information:**

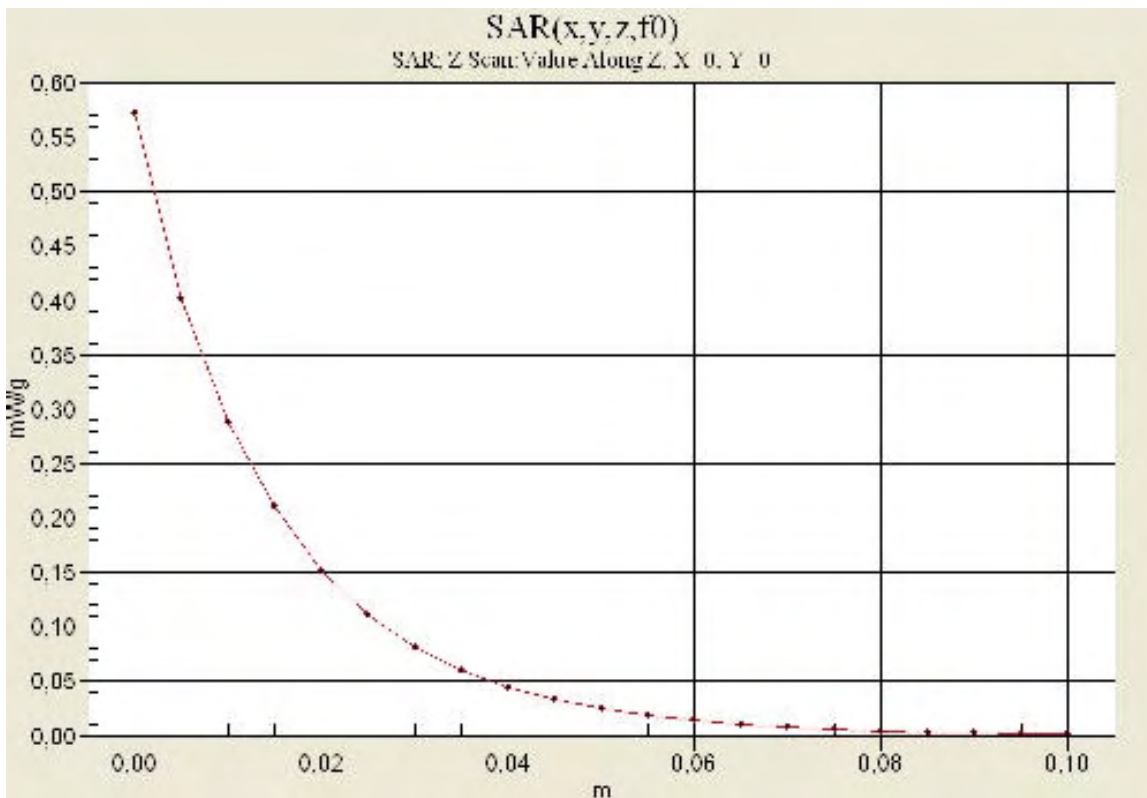
position or distance of DUT to SAM (if not standard head positions) : 15 mm

ambient temperature: 21.9°C; liquid temperature: 20.2°C

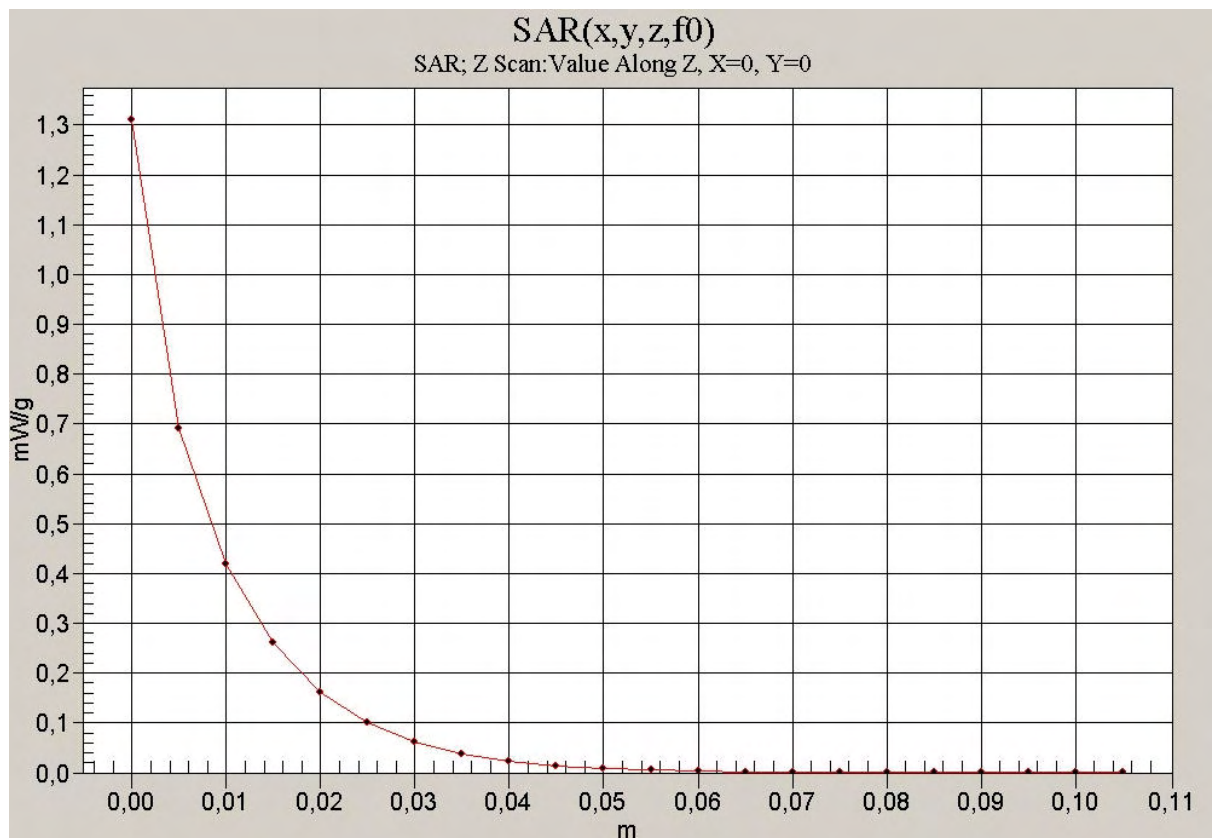
Annex 2.7 Z-axis scans



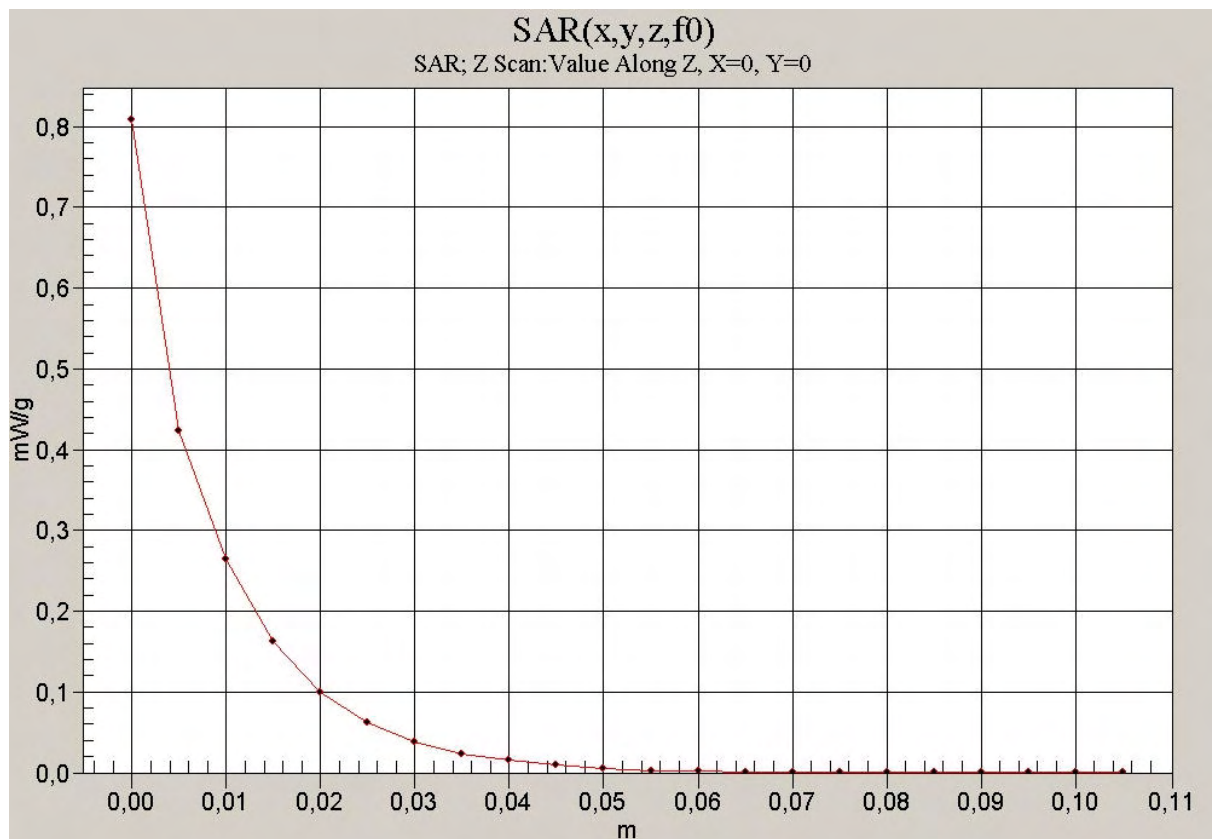
850 head



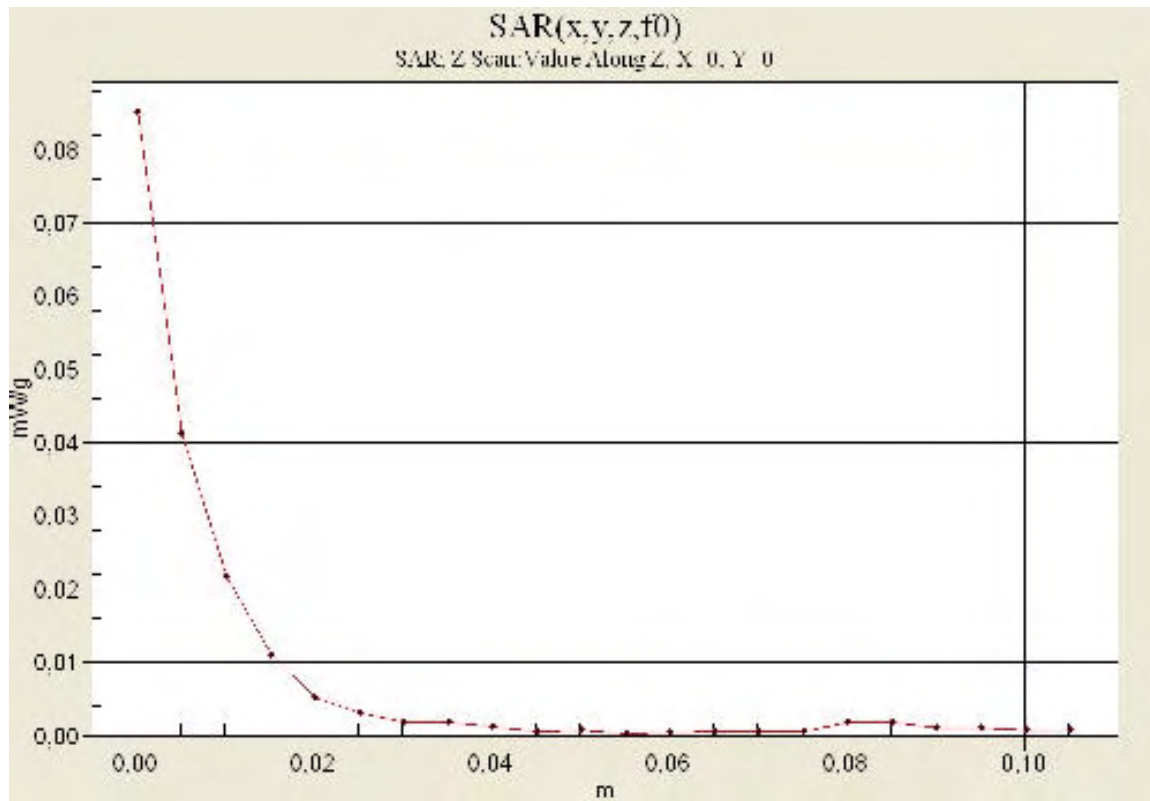
850 body



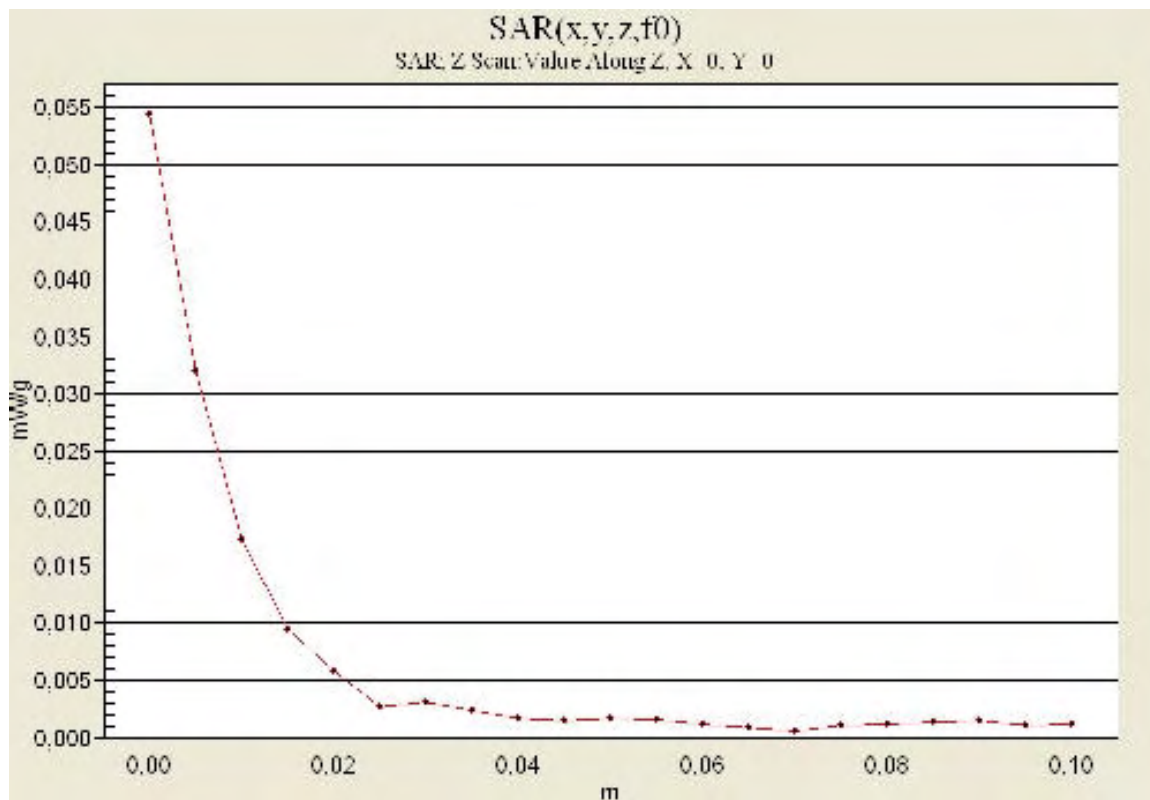
1900 head



1900 body



2450 head



2450 body

**Annex 3 Photo documentation**

Photo 1: Measurement System DASY 4



Photo 2: Measurement System DASY 4





Photo 3: DUT - front view



Photo 4: DUT - front view (slide opened)



Photo 5: DUT - side view (slide opened)



Photo 6: DUT - rear view (slide opened)



Photo 7: DUT - rear view (slide in)



Photo 8: DUT - side view (slide in)



Photo 9: DUT - rear view (open) with WWAN, WLAN and BT antenna position



Photo 10: DUT - rear view (open) without battery



Photo 11: DUT - rear view (label)



Photo 12: The battery



Photo 13: Test position left hand touched (slide in)

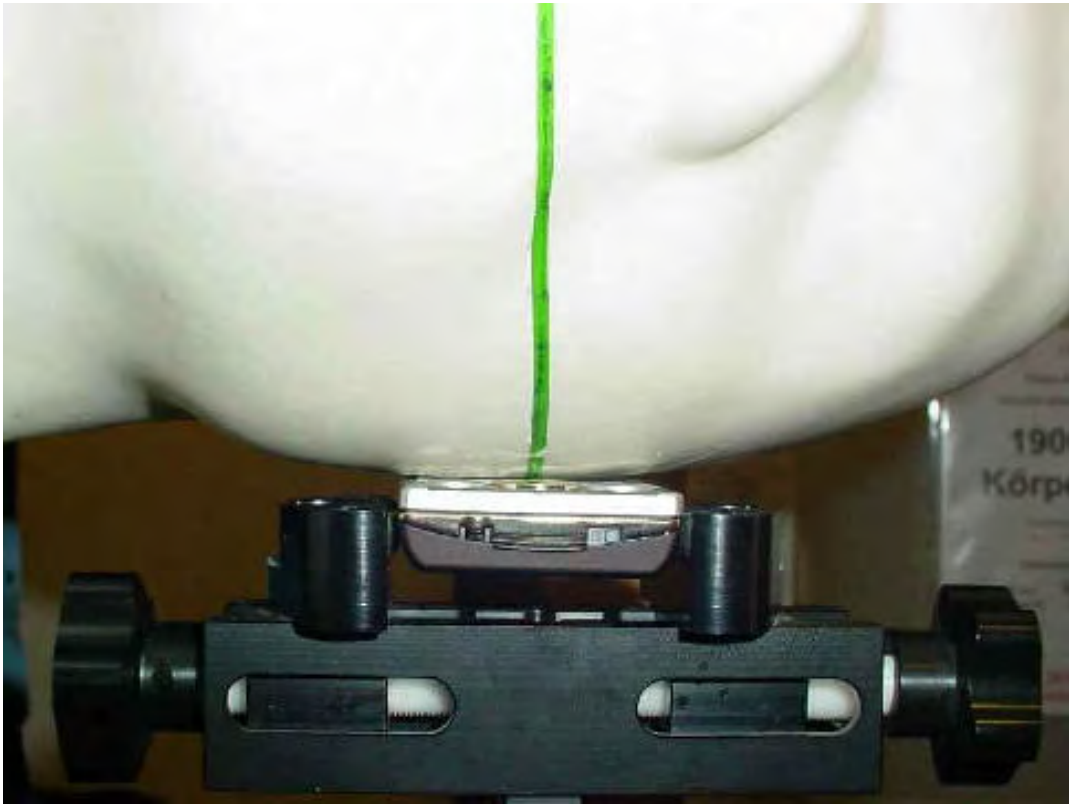


Photo 14: Test position left hand touched (slide in)



Photo 15: Test position left hand touched (slide in)



Photo 16: Test position left hand tilted 15° (slide in)

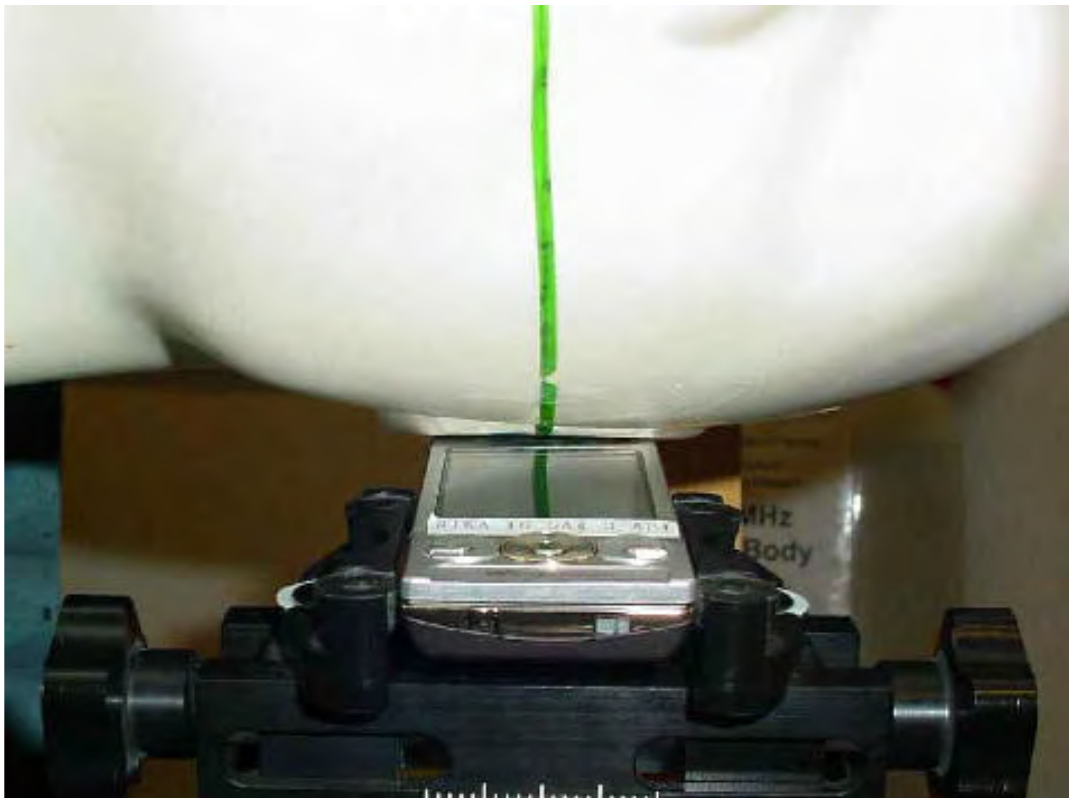


Photo 17: Test position left hand tilted 15° (slide in)



Photo 18: Test position left hand touched (slide opened)





Photo 19: Test position left hand touched (slide opened)



Photo 20: Test position left hand touched (slide opened)



Photo 21: Test position left hand tilted 15° (slide opened)



Photo 22: Test position left hand tilted 15° (slide opened)



Photo 23: Test position right hand touched (slide in)

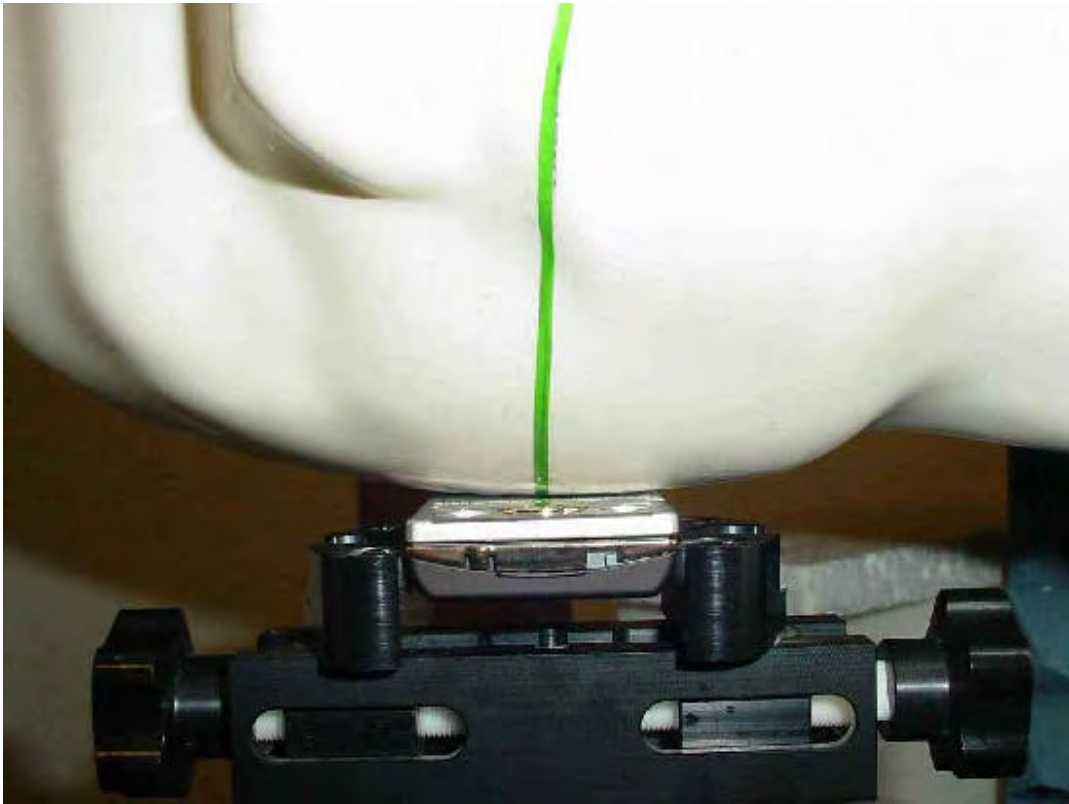


Photo 24: Test position right hand touched (slide in)



Photo 25: Test position right hand touched (slide in)



Photo 26: Test position right hand tilted 15° (slide in)

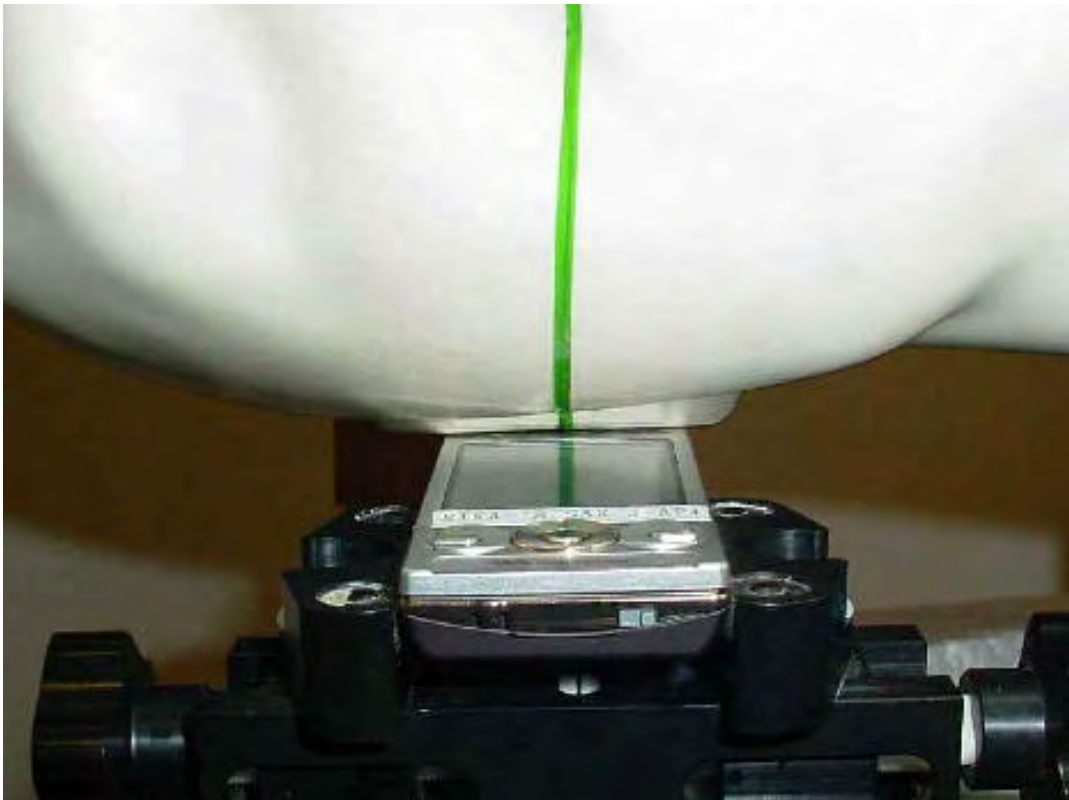


Photo 27: Test position right hand tilted 15° (slide in)



Photo 28: Test position right hand touched (slide opened)

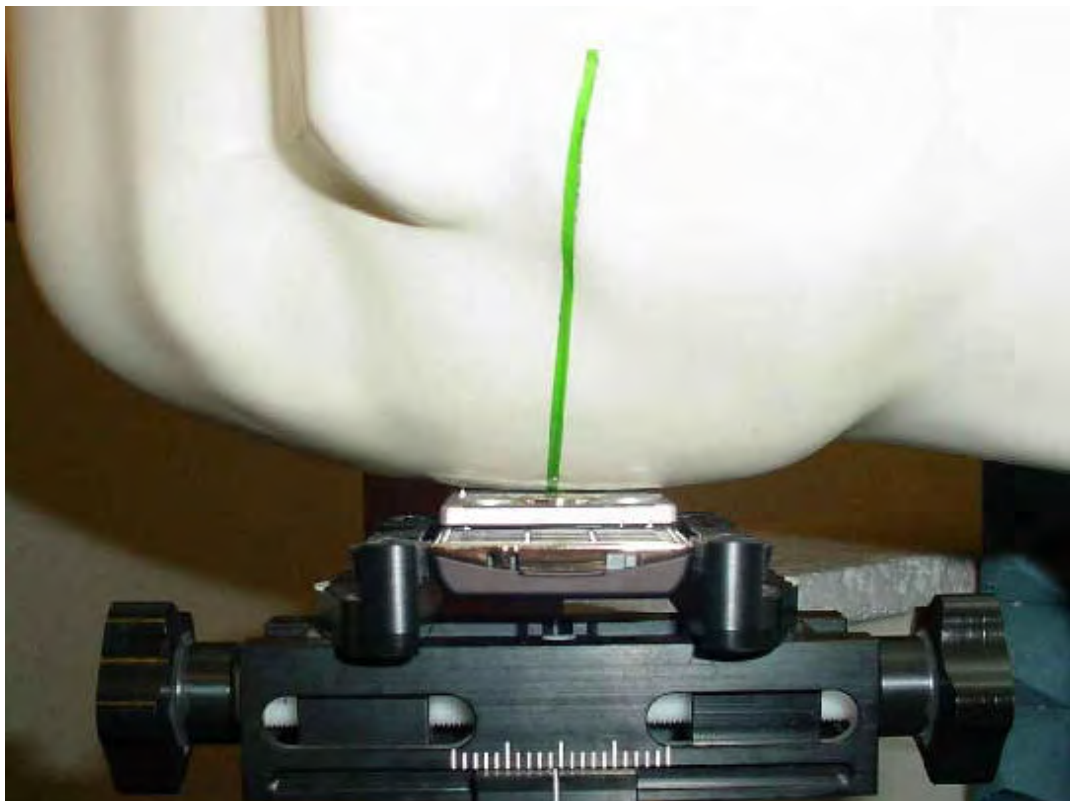


Photo 29: Test position right hand touched (slide opened)

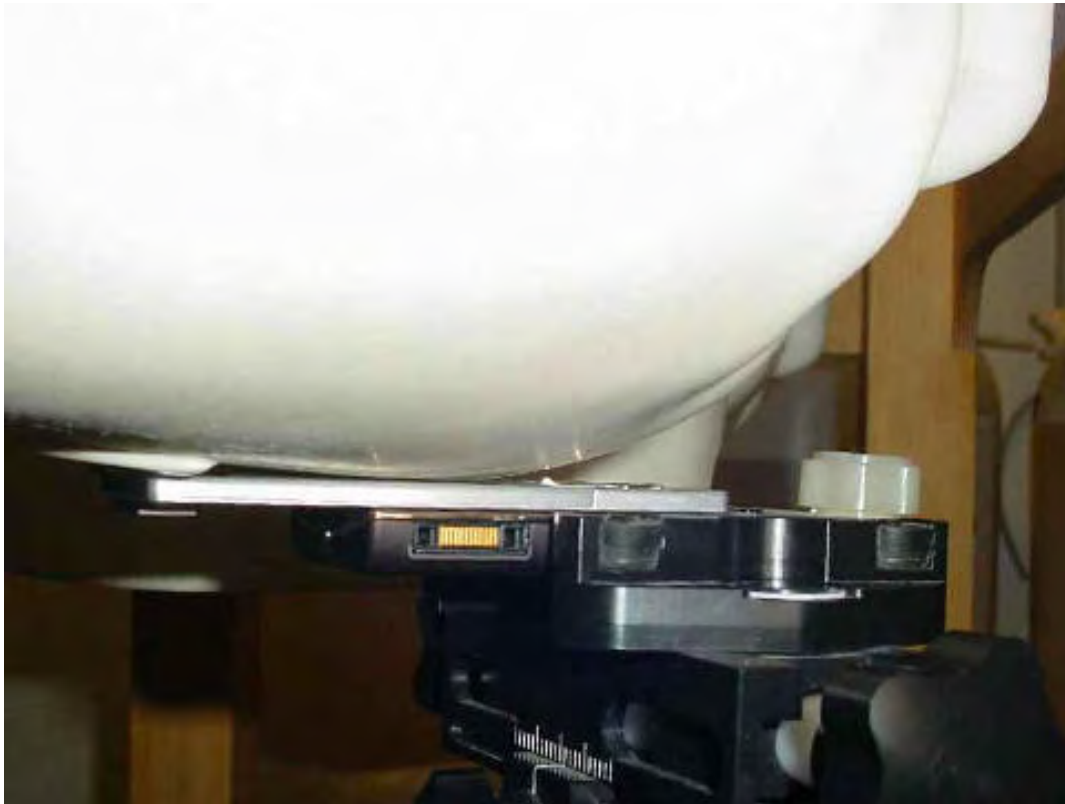


Photo 30: Test position right hand touched (slide opened)



Photo 31: Test position right hand tilted 15° (slide opened)

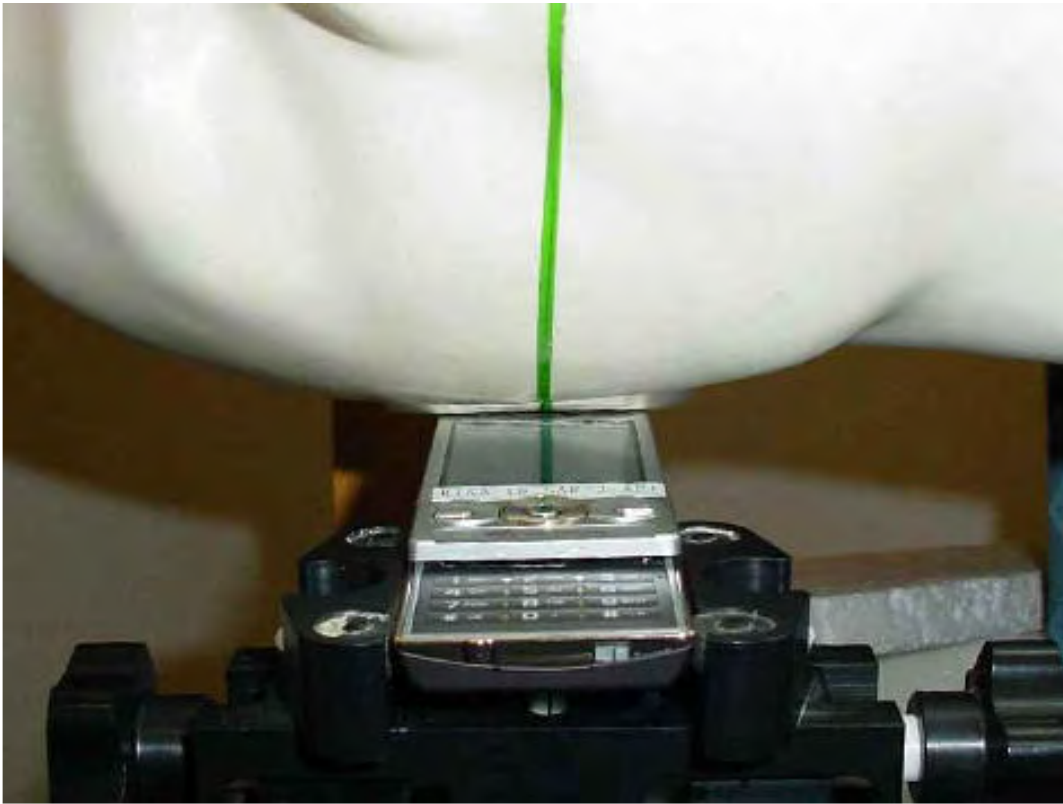


Photo 32: Test position right hand tilted 15° (slide opened)



Photo 33: Test position body worn front side (15 mm distance)



Photo 34: Test position body worn front side (15 mm distance)





Photo 35: Test position body worn rear side (15 mm distance)



**Annex 3.1 Liquid depth**

Photo 36: Liquid depth 850 MHz head simulating liquid

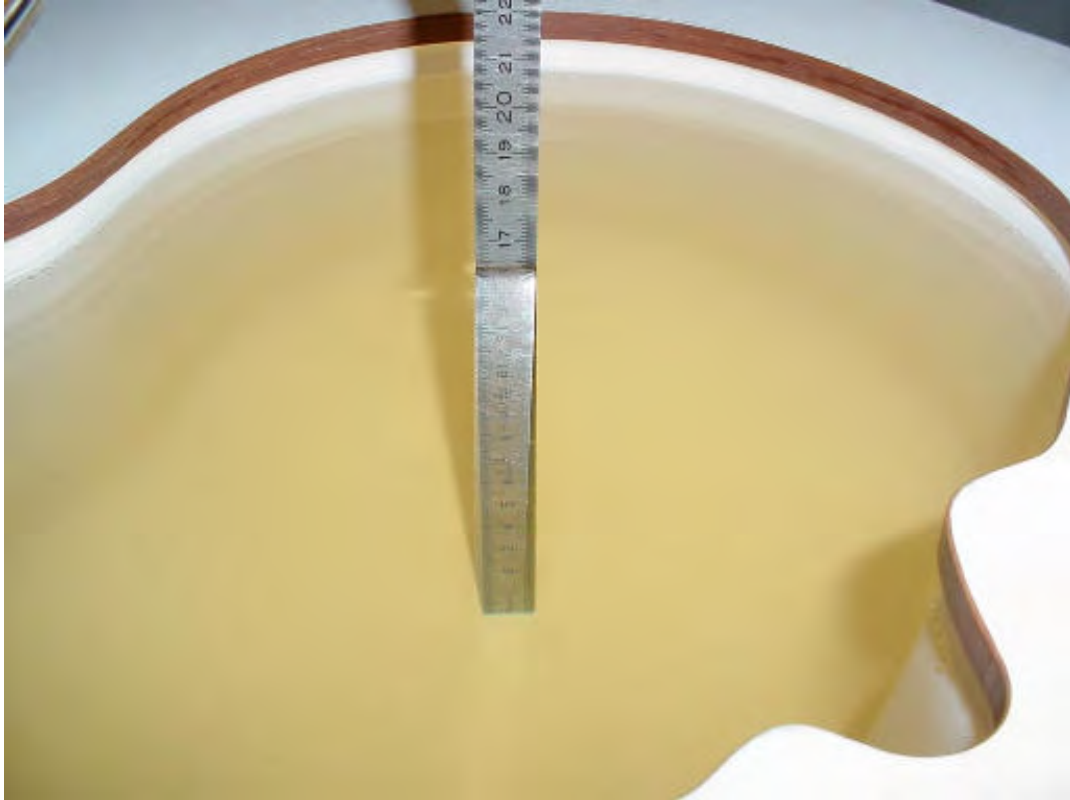


Photo 37: Liquid depth 850 MHz body simulating liquid



Photo 38: Liquid depth 1900 MHz head simulating liquid

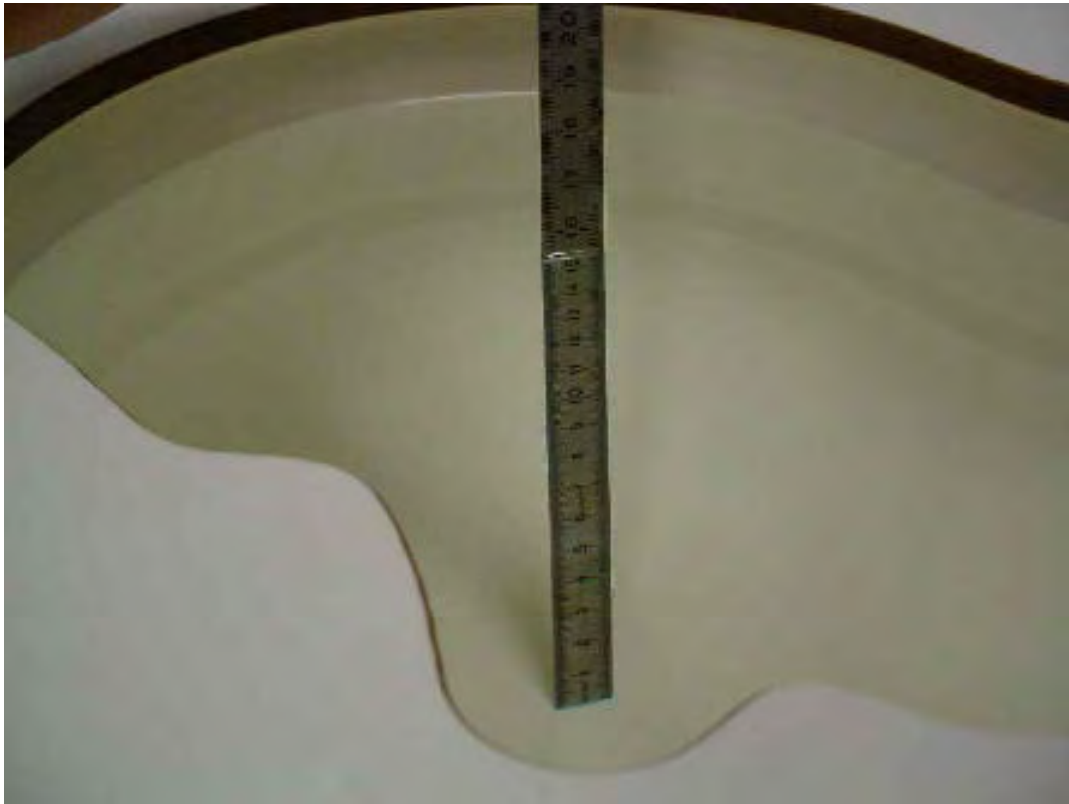


Photo 39: Liquid depth 1900 MHz body simulating liquid

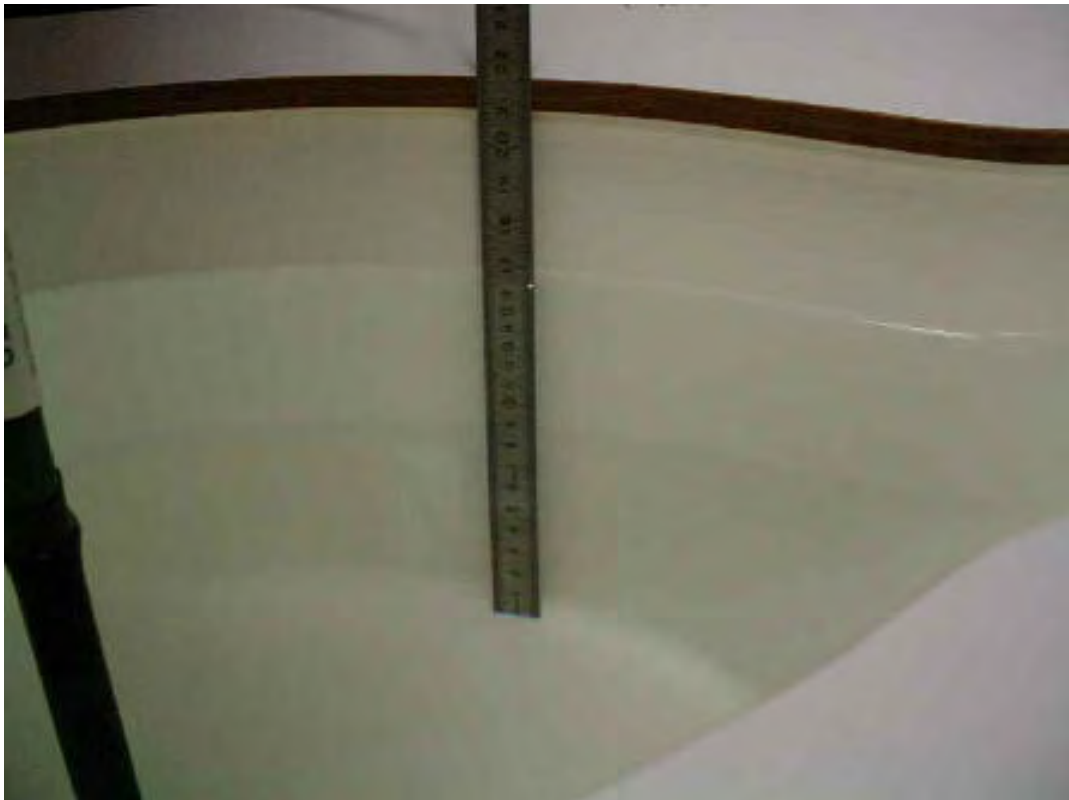


Photo 40: Liquid depth 2450 MHz head simulating liquid

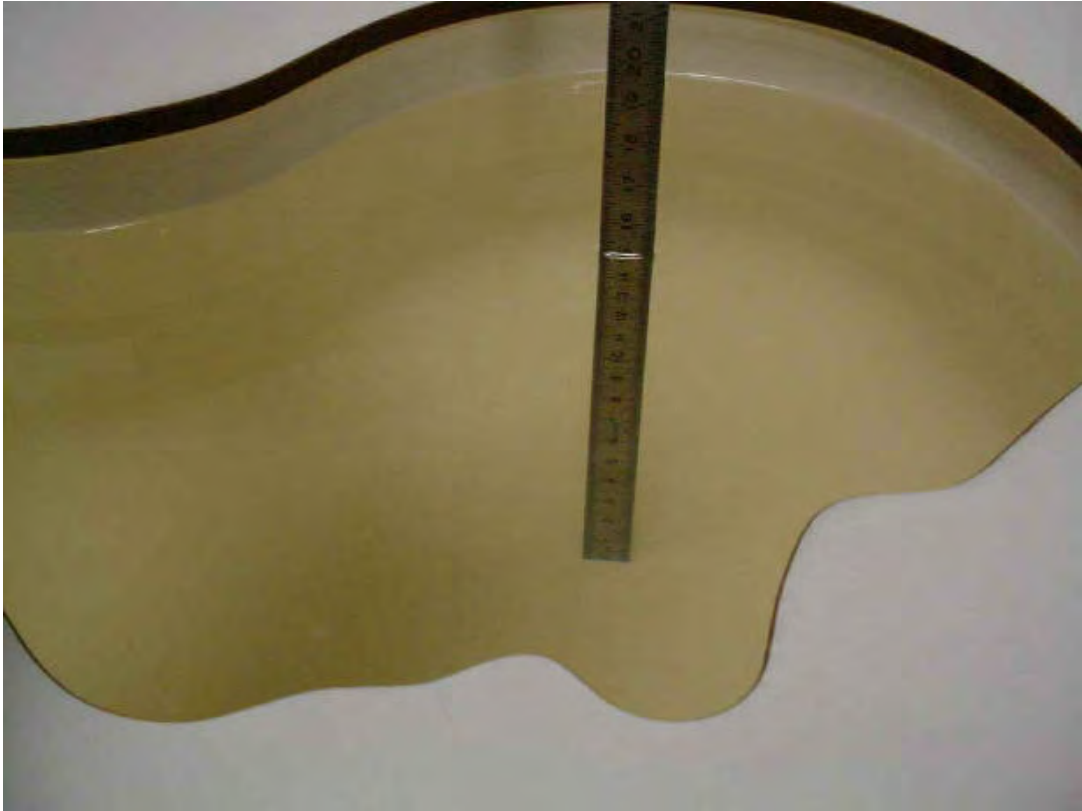
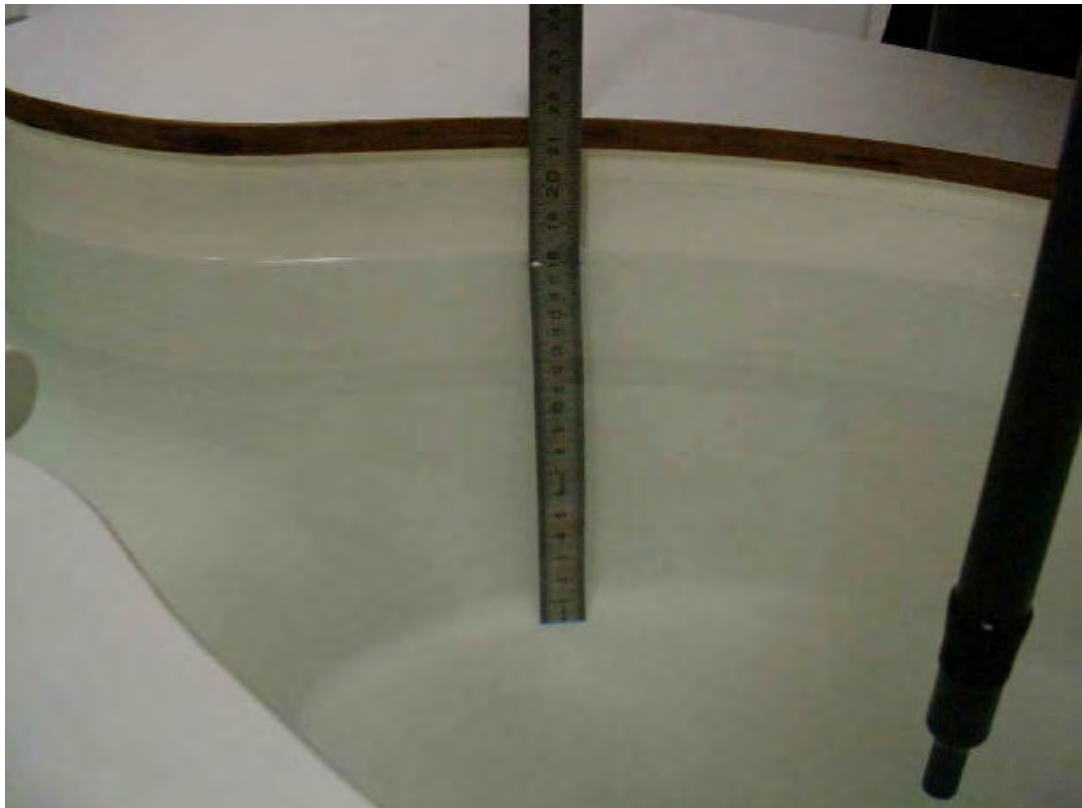


Photo 41: Liquid depth 2450 MHz body simulating liquid



**Annex 4 RF Technical Brief Cover Sheet acc. to RSS-102**

**1. COMPANY NUMBER: 4170B**

**2. MODEL NUMBER: A3880006**

**3. MANUFACTURER: Sony Ericsson Mobile Communications AB**

**4. TYPE OF EVALUATION:**

**(a) SAR Evaluation: Device used in the Vicinity of the Human Head**

- **Multiple transmitters:** Yes  No
- **Evaluated against exposure limits:** General Public Use  Controlled Use
- **Duty cycle used in evaluation:** 12.5 %
- **Standard used for evaluation:** RSS-102 Issue 2 (2005-11)
- **SAR value:** 1.230 W/kg. Measured  Computed  Calculated

**(b) SAR Evaluation: Body-worn Device**

- **Multiple transmitters:** Yes  No
- **Evaluated against exposure limits:** General Public Use  Controlled Use
- **Duty cycle used in evaluation:** 25 %
- **Standard used for evaluation:** RSS-102 Issue 2 (2005-11)
- **SAR value:** 0.742 W/kg. Measured  Computed  Calculated

**Annex 4.1 Declaration of RF Exposure Compliance**

**ATTESTATION:** I attest that the information provided in Annex 4 is correct; that a Technical Brief was prepared and the information it contains is correct; that the device evaluation was performed or supervised by me; that applicable measurement methods and evaluation methodologies have been followed and that the device meets the SAR and/or RF exposure limits of RSS-102.

**Signature:** 

**Date:** 2008-11-12

**NAME :** Thomas Vogler

**TITLE :** Dipl.-Ing. (FH)

**COMPANY :** CETECOM ICT Services GmbH

## **Annex 5 Calibration parameters**

**Calibration parameters are described in the additional document :**

**Appendix to test report no. 2-4883-63-02/08‘  
Calibration data, Phantom certificate  
and detail information of the DASY4 System**