CETECOM ICT Services GmbH

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Deutscher Akkreditierungs Rat

DAR

Accredited testing laboratory

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

Test report no.   **: 1-1065-31-02/09**
Type identification   **: AAD-3880040-BV**
Test specification   **: IEEE 1528-2003**
FCC-ID   **: PY7A3880040**
IC-ID   **: 4170B-A3880040**

Table of Contents

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-3880040-BV 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:

2009-06-15	Oleksandr Hnatovskiy	
Date	Name	Signature
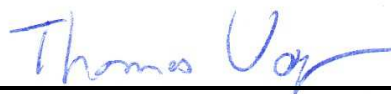
Technical responsibility for area of testing:

2009-06-15	Thomas Vogler	
Date	Name	Signature

1.2   Testing laboratory

CETECOM ICT Services GmbH
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66117 Saarbruecken
Germany
Telephone: + 49 681 598 - 0
Fax: + 49 681 598 - 8475

e-mail: 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: 2009-05-25
Date of receipt of test item: 2009-05-29
Start/Date of test: 2009-06-01
End of test: 2009-06-10

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

CETECOM ICT Services GmbH

1.5 Test item

Description of the test item:	Mobile Phone
Type identification:	AAD-3880040-BV
FCC-ID :	PY7A3880040
IC-ID :	4170B-A3880040
Serial number:	BX900MF7NH
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 :	00440107-818009-4	
exposure category:	uncontrolled environment / general population	
test device production information	identical prototype	
device operating configurations :		
operating mode(s)	GSM, DCS, PCS, UMTS/WCDMA, Bluetooth	
modulation	GMSK, 8-PSK, QPSK(dl), 2*BPSK/HPSK(ul)	
GPRS mobile station class :	B	
GPRS multislot class :	10	voice mode : ---
EGPRS multislot 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 II (tested)	1852.4 MHz ~ 1907.6 MHz	1932.4 MHz ~ 1987.6 MHz
FDD V (tested)	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) 3; (FDD II band); (FDD V)	
measured average output power (conducted):	850 MHz band: 32.9 dBm (GMSK); 27.0 dBm (8-PSK) 1900 MHz band: 29.1 dBm (GMSK); 25.1 dBm (8-PSK) FDD II band: 21.81 dBm; FDD V: 22.86 dBm (average max.)	
test channels (low-mid-high) :	128-190-251 (850 MHz band) 512-661-810 (1900 MHz band) 9262-9400-9538 (FDD II band) 4132-4182-4233 (FDD V band)	
hardware version :	R1FA009	
software version :		
antenna type :	Integrated antenna	
accessories/body-worn configurations:	Stereo headset	
battery options :	Sony Ericsson Standard Battery BST-33 / 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

Human Exposure	Uncontrolled Environment General Population	Controlled Environment Occupational
Spatial Peak SAR* (Brain)	**1.60 mW/g**	8.00 mW/g
Spatial Average SAR** (Whole Body)	0.08 mW/g	0.40 mW/g
Spatial Peak SAR*** (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.	☒
The deviations as specified in 2.5 were ascertained in the course of the tests performed.	☐

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

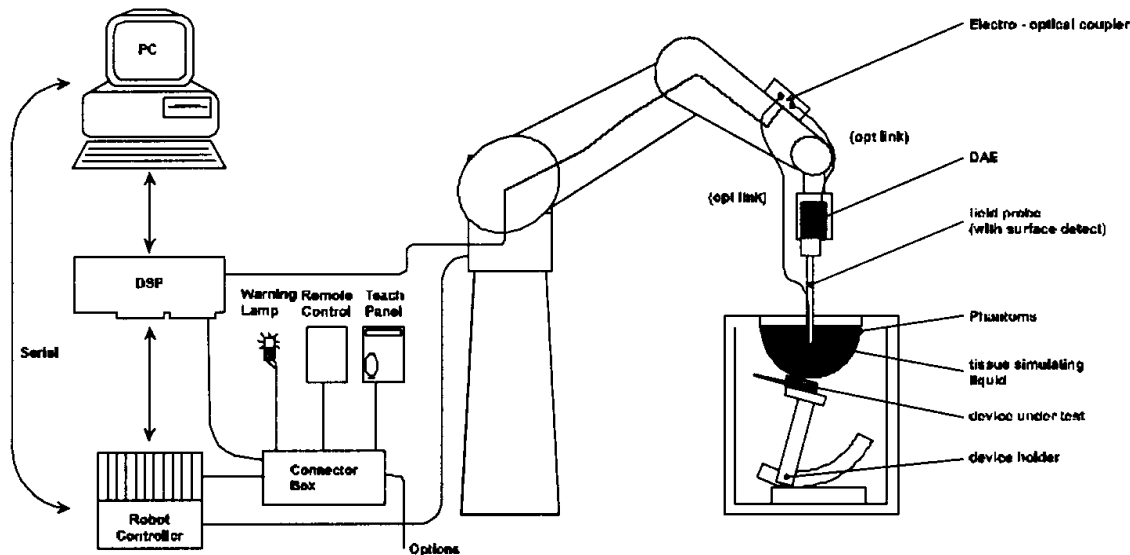The measurement system is described in chapter 2.4.

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 DASY4 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 DASY4 measurement server.
- The DASY4 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
- DASY4 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 m³, 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 m² 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.
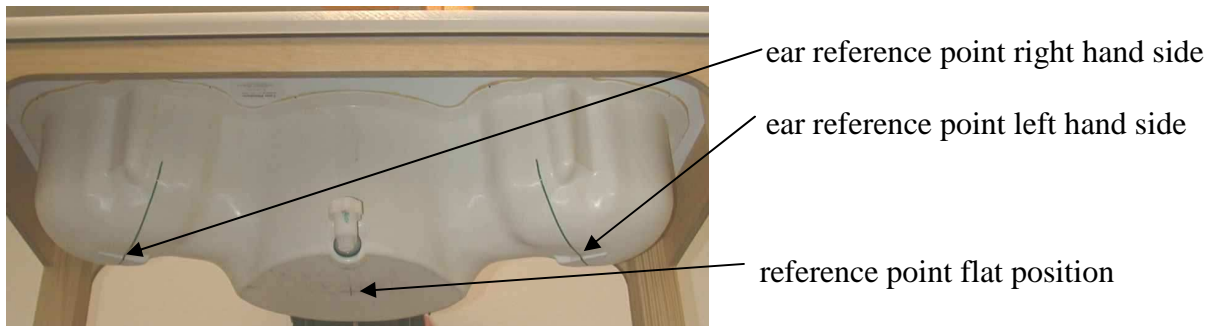
2.4.3 Probe description

Isotropic E-Field Probe ET3DV6 for Dosimetric Measurements

Technical data according to manufacturer information	
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., glycolether)
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.

ear reference point right hand side

ear reference point left hand side

reference point flat position

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 $\pm$ 0.1mm). 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°.)

- 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 strenth 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 compansate 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/cm²], [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	$Norm_i$, a_{i0}, a_{i1}, a_{i2}
	- Conversion factor	$ConvF_i$
	- Diode compression point	$Dcpi$
Device parameters:	- Frequency	f
	- Crest factor	cf
Media parameters:	- Conductivity	σ
	- Density	ρ

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)
         $[mV/(V/m)^2]$ 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
    σ = conductivity in [mho/m] or [Siemens/m]
    ρ = equivalent tissue density in g/cm^3

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.

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

with P_{pwe} = equivalent power density of a plane wave in mW/cm^2
    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)*
☒	Schmid & Partner Engineering AG	Dosimetric E-Field Probe	ET3DV6	1558	August 15, 2008
☐	Schmid & Partner Engineering AG	Dosimetric E-Field Probe	ET3DV6	1559	January 14, 2009
☒	Schmid & Partner Engineering AG	900 MHz System Validation Dipole	D900V2	102	August 18, 2008
☐	Schmid & Partner Engineering AG	1800 MHz System Validation Dipole	D1800V2	287	August 19, 2008
☒	Schmid & Partner Engineering AG	1900 MHz System Validation Dipole	D1900V2	531	May 20, 2009
☐	Schmid & Partner Engineering AG	2450 MHz System Validation Dipole	D2450V2	710	August 20, 2008
☒	Schmid & Partner Engineering AG	Data acquisition electronics	DAE3V1	413	January 8, 2009
☐	Schmid & Partner Engineering AG	Data acquisition electronics	DAE3V1	477	May 14, 2008
☒	Schmid & Partner Engineering AG	Software	DASY 4 V4.5	---	N/A
☒	Schmid & Partner Engineering AG	Phantom	SAM	---	N/A
☒	Rohde & Schwarz	Universal Radio Communication Tester	CMU 200	106826	January 15, 2009
☒	Hewlett Packard)*	Network Analyser 300 kHz to 6 GHz	8753C	2937U00269	January 9, 2009
☒	Hewlett Packard)*	Network Analyser 300 kHz to 6 GHz	85047A	2936A00872	January 9, 2009
☒	Hewlett Packard	Dielectric Probe Kit	85070C	US99360146	N/A
☒	Hewlett Packard	Signal Generator	8665A	2833A00112	January 8, 2009
☒	Amplifier Reasearch	Amplifier	25S1G4 (25 Watt)	20452	N/A
☒	Rohde & Schwarz	Power Meter	NRP	101367	January 9, 2009
☒	Rohde & Schwarz	Power Meter Sensor	NRP Z22	100227	January 9, 2009
☒	Rohde & Schwarz	Power Meter Sensor	NRP Z22	100234	January 9, 2009

)* : 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)					
frequency band	☐ 450	⊠ 835	☐ 900	☐ 1800	⊠ 1900	☐ 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)					
frequency band	☐ 450	⊠ 835	☐ 900	☐ 1800	⊠ 1900	☐ 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	Target Head Tissue		Measured Head Tissue		Measured Date
[MHz]	Permittivity	Conductivity [S/m]	Permittivity	Conductivity [S/m]	
835	41.5	0.90	42.2	0.89	2009-06-04
900	41.5	0.97	41.5	0.96	2009-06-04
835	41.5	0.90	42.2	0.89	2009-06-08
900	41.5	0.97	41.5	0.96	2009-06-08
1900	40.0	1.40	39.4	1.39	2009-06-02
1900	40.0	1.40	39.4	1.39	2009-06-03

Table 4: Parameter of the head tissue simulating liquid

Used Target Frequency	Target Body Tissue		Measured Body Tissue		Measured Date
[MHz]	Permittivity	Conductivity [S/m]	Permittivity	Conductivity [S/m]	
835	55.2	0.97	55.0	0.97	2009-06-10
900	55.0	1.05	54.4	1.04	2009-06-10
1900	53.3	1.52	53.1	1.47	2009-06-09

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	Divi-sor	c_i 1g	c_i 10g	Standard Uncertainty 1g	Standard Uncertainty 10g	v_i^2 or v_{eff}
Measurement System								
Probe calibration	$\pm$ 4.8%	Normal	1	1	1	$\pm$ 4.8%	$\pm$ 4.8%	∞
Axial isotropy	$\pm$ 4.7%	Rectangular	$\sqrt{3}$	0.7	0.7	$\pm$ 1.9%	$\pm$ 1.9%	∞
Hemispherical isotropy	$\pm$ 9.6%	Rectangular	$\sqrt{3}$	0.7	0.7	$\pm$ 3.9%	$\pm$ 3.9%	∞
Spatial resolution	$\pm$ 0.0%	Rectangular	$\sqrt{3}$	1	1	$\pm$ 0.0%	$\pm$ 0.0%	∞
Boundary effects	$\pm$ 1.0%	Rectangular	$\sqrt{3}$	1	1	$\pm$ 0.6%	$\pm$ 0.6%	∞
Probe linearity	$\pm$ 4.7%	Rectangular	$\sqrt{3}$	1	1	$\pm$ 2.7%	$\pm$ 2.7%	∞
System detection limits	$\pm$ 1.0%	Rectangular	$\sqrt{3}$	1	1	$\pm$ 0.6%	$\pm$ 0.6%	∞
Readout electronics	$\pm$ 1.0%	Normal	1	1	1	$\pm$ 1.0%	$\pm$ 1.0%	∞
Response time	$\pm$ 0.8%	Rectangular	$\sqrt{3}$	1	1	$\pm$ 0.5%	$\pm$ 0.5%	∞
Integration time	$\pm$ 2.6%	Rectangular	$\sqrt{3}$	1	1	$\pm$ 1.5%	$\pm$ 1.5%	∞
RF ambient conditions	$\pm$ 3.0%	Rectangular	$\sqrt{3}$	1	1	$\pm$ 1.7%	$\pm$ 1.7%	∞
Probe positioner	$\pm$ 0.4%	Rectangular	$\sqrt{3}$	1	1	$\pm$ 0.2%	$\pm$ 0.2%	∞
Probe positioning	$\pm$ 2.9%	Rectangular	$\sqrt{3}$	1	1	$\pm$ 1.7%	$\pm$ 1.7%	∞
Max. SAR evaluation	$\pm$ 1.0%	Rectangular	$\sqrt{3}$	1	1	$\pm$ 0.6%	$\pm$ 0.6%	∞
Test Sample Related								
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%	∞
Phantom and Set-up								
Phantom uncertainty	$\pm$ 4.0%	Rectangular	$\sqrt{3}$	1	1	$\pm$ 2.3%	$\pm$ 2.3%	∞
Liquid conductivity (target)	$\pm$ 5.0%	Rectangular	$\sqrt{3}$	0.64	0.43	$\pm$ 1.8%	$\pm$ 1.2%	∞
Liquid conductivity (meas.)	$\pm$ 2.5%	Normal	1	0.64	0.43	$\pm$ 1.6%	$\pm$ 1.1%	∞
Liquid permittivity (target)	$\pm$ 5.0%	Rectangular	$\sqrt{3}$	0.6	0.49	$\pm$ 1.7%	$\pm$ 1.4%	∞
Liquid permittivity (meas.)	$\pm$ 2.5%	Normal	1	0.6	0.49	$\pm$ 1.5%	$\pm$ 1.2%	∞
Combined Uncertainty						$\pm$ 10.3%	$\pm$ 10.0%	330
Expanded Std. Uncertainty						**$\pm$ 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 ± 8.4% (K=1).
The expanded uncertainty (k=2) is assessed to be ± 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}
Measurement System								
Probe calibration	± 4.8%	Normal	1	1	1	± 4.8%	± 4.8%	∞
Axial isotropy	± 4.7%	Rectangular	√3	0.7	0.7	± 1.9%	± 1.9%	∞
Hemispherical isotropy	± 0.0%	Rectangular	√3	0.7	0.7	± 0.0%	± 3.9%	∞
Boundary effects	± 1.0%	Rectangular	√3	1	1	± 0.6%	± 0.6%	∞
Probe linearity	± 4.7%	Rectangular	√3	1	1	± 2.7%	± 2.7%	∞
System detection limits	± 1.0%	Rectangular	√3	1	1	± 0.6%	± 0.6%	∞
Readout electronics	± 1.0%	Normal	1	1	1	± 1.0%	± 1.0%	∞
Response time	± 0.0%	Rectangular	√3	1	1	± 0.0%	± 0.0%	∞
Integration time	± 0.0%	Rectangular	√3	1	1	± 0.0%	± 0.0%	∞
RF ambient conditions	± 3.0%	Rectangular	√3	1	1	± 1.7%	± 1.7%	∞
Probe positioner	± 0.4%	Rectangular	√3	1	1	± 0.2%	± 0.2%	∞
Probe positioning	± 2.9%	Rectangular	√3	1	1	± 1.7%	± 1.7%	∞
Max. SAR evaluation	± 1.0%	Rectangular	√3	1	1	± 0.6%	± 0.6%	∞
Test Sample Related								
Dipole axis to liquid distance	± 2.0%	Normal	1	1	1	± 1.2%	± 1.2%	∞
Power drift	± 4.7%	Rectangular	√3	1	1	± 2.7%	± 2.7%	∞
Phantom and Set-up								
Phantom uncertainty	± 4.0%	Rectangular	√3	1	1	± 2.3%	± 2.3%	∞
Liquid conductivity (target)	± 5.0%	Rectangular	√3	0.64	0.43	± 1.8%	± 1.2%	∞
Liquid conductivity (meas.)	± 2.5%	Normal	1	0.64	0.43	± 1.6%	± 1.1%	∞
Liquid permittivity (target)	± 5.0%	Rectangular	√3	0.6	0.49	± 1.7%	± 1.4%	∞
Liquid permittivity (meas.)	± 2.5%	Normal	1	0.6	0.49	± 1.5%	± 1.2%	∞
Combined Uncertainty						**± 8.4%**	**± 8.1%**	
Expanded Std. Uncertainty						**± 16.8%**	**± 16.2%**	

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_{1g} (1000 mW) (+/- 10%)	Measured Peak SAR (1000 mW)	Measured SAR_{1g} (1000 mW)	Measured date
D900V2 S/N: 102	900 MHz head	15.4 mW/g	10.5 mW/g	16.0 mW/g	10.8 mW/g	2009-06-04
D900V2 S/N: 102	900 MHz head	15.4 mW/g	10.5 mW/g	15.8 mW/g	10.8 mW/g	2009-06-05
D900V2 S/N: 102	900 MHz head	15.4 mW/g	10.5 mW/g	16.8 mW/g	11.1 mW/g	2009-06-08
D900V2 S/N: 102	900 MHz body	16.4 mW/g	10.8 mW/g	15.8 mW/g	10.9 mW/g	2009-06-10
D1900V2 S/N: 531	1900 MHz head	74.4 mW/g	41.0 mW/g	74.3 mW/g	40.1 mW/g	2009-06-02
D1900V2 S/N: 531	1900 MHz head	74.4 mW/g	41.0 mW/g	73.5 mW/g	39.8 mW/g	2009-06-03
D1900V2 S/N: 531	1900 MHz body	74.4 mW/g	41.8 mW/g	74.8 mW/g	39.9 mW/g	2009-06-09

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.
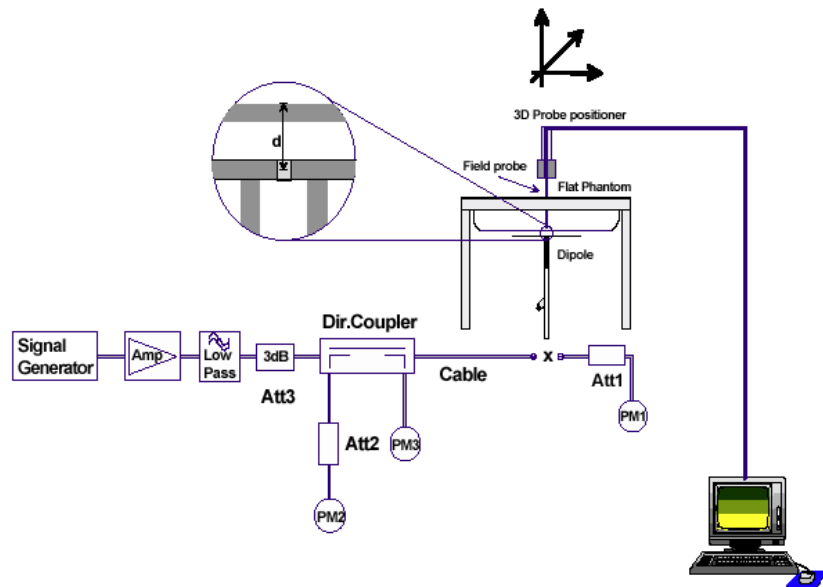
2.5 Test Results

2.5.1 Conducted power measurements

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 also checked before and after each SAR measurement. The resulting power values were within a 0.2 dB tolerance of the values shown below.

Note : CMU200 measures GSM peak and average output power for active timeslots.
        For SAR the timebased average power is relevant. The difference inbetween depends
        on the duty cycle of the TDMA signal :

No. of timeslots	1	2	3	4
Duty Cycle	1 : 8	1: 4	1 : 2.66	1 : 2
timebased avg. power compared to slotted avg. power	- 9 dB	- 6 dB	- 4.25 dB	- 3 dB

The signalling modes differ as follows :

mode	coding scheme	modulation
GPRS	CS1 to CS4	GMSK
EGPRS (EDGE)	MCS1 to MCS4	GMSK
EGPRS (EDGE)	MCS5 to MCS9	8PSK

Apart from modulation change (GMSK/8PSK) coding schemes differ in code rate without influence on the RF signal. Therefore one coding scheme per mode was selected for conducted power measurements.

2.5.2 Conducted power measurements GSM 850 MHz

Channel / frequency	modulation	timeslots	slotted avg. power	timebased avg. power (calculated)
128 / 824.2 MHz	GMSK	1	32.9dBm	23.9dBm
190 / 836.6 MHz	GMSK	1	32.6dBm	23.6dBm
251 / 848.0 MHz	GMSK	1	32.4dBm	23.4dBm
128 / 824.2 MHz	GMSK	2	32.9dBm	**26.9**dBm
190 / 836.6 MHz	GMSK	2	32.6dBm	**26.6**dBm
251 / 848.0 MHz	GMSK	2	32.4dBm	**26.4**dBm
128 / 824.2 MHz	8PSK	2	27.3dBm	21.3dBm
190 / 836.6 MHz	8PSK	2	27.2dBm	21.2dBm
251 / 848.0 MHz	8PSK	2	27.0dBm	21.0dBm

Table 9: Test results conducted power measurement GSM 850 MHz

2.5.3 Conducted power measurements GSM 1900 MHz

Channel / frequency	modulation	timeslots	slotted avg. power	timebased avg. power (calculated)
512 / 1850.2 MHz	GMSK	1	29.7dBm	20.7dBm
661 / 1880.0 MHz	GMSK	1	29.6dBm	20.6dBm
810 / 1909.8 MHz	GMSK	1	29.9dBm	20.9dBm
512 / 1850.2 MHz	GMSK	2	29.7dBm	**23.7**dBm
661 / 1880.0 MHz	GMSK	2	29.6dBm	**23.6**dBm
810 / 1909.8 MHz	GMSK	2	29.9dBm	**23.9**dBm
512 / 1850.2 MHz	8PSK	2	25.9dBm	19.9dBm
661 / 1880.0 MHz	8PSK	2	25.8dBm	19.8dBm
810 / 1909.8 MHz	8PSK	2	25.7dBm	19.7dBm

Table 10: Test results conducted power measurement GSM 1900 MHz

2.5.4 Justification of SAR measurements in GSM mode

SAR measurements were performed in GPRS mode with 2 active timeslots because highest timebased averaged output power was calculated for that configuration.
For comparison an additional delta measurement was performed with 1 timeslot in speech mode. In EDGE mode no delta measurement was performed.

2.5.5 Conducted power measurements WCDMA FDD V (850 MHz)

Max. RMS output power 850 MHz (FDD V) / dBm		
	Channel / frequency	
mode	4132 / 826.4 MHz	4182 / 836.6 MHz	4233 / 846.6 MHz
RMC 12.2 kbit/s	**22.86**	**22.64**	**22.74**
RMC 64 kbit/s	22.78	22.53	22.65
RMC 144 kbit/s	22.77	22.56	22.63
RMC 384 kbit/s	22.76	22.51	22.62
AMR 4,75 kbit/s	22.80	22.58	22.67
AMR 5,15 kbit/s	22.78	22.62	22.70
AMR 5,9 kbit/s	22.79	22.61	22.72
AMR 6,7 kbit/s	22.82	22.64	22.69
AMR7,4 kbit/s	22.83	22.63	22.74
AMR 7,95 kbit/s	22.76	22.61	22.72
AMR 10,2 kbit/s	22.80	22.62	22.73
AMR 12,2 kbit/s	22.79	22.60	22.76
HSDPA Sub test 1	**22.93**	**22.86**	**22.90**
HSDPA Sub test 2	21.13	21.16	20.97
HSDPA Sub test 3	20.19	19.51	19.85
HSDPA Sub test 4	19.67	19.53	19.73
HSUPA Sub test 1	22.80	22.77	22.73
HSUPA Sub test 2	20.92	20.79	20.62
HSUPA Sub test 3	21.78	21.57	21.61
HSUPA Sub test 4	20.90	20.63	20.67
HSUPA Sub test 5	**22.93**	**22.65**	**21.94**

Table 11: Test results conducted power measurement WCDMA 850

2.5.6 Conducted power measurements WCDMA FDD II (1900 MHz)

Max. RMS output power 1900 MHz (FDD II) / dBm			
	Channel / frequency		
mode	9262 / 1852.4 MHz	9400 / 1880.0 MHz	9538 / 1907.6 MHz
RMC 12.2 kbit/s	**21.81**	**21.54**	**21.61**
RMC 64 kbit/s	21.82	21.55	21.60
RMC 144 kbit/s	21.72	21.45	21.52
RMC 384 kbit/s	21.67	21.42	21.46
AMR 4,75 kbit/s	21.82	21.52	21.54
AMR 5,15 kbit/s	21.79	21.56	21.53
AMR 5,9 kbit/s	21.80	21.53	21.57
AMR 6,7 kbit/s	21.81	21.50	21.55
AMR7,4 kbit/s	21.83	21.51	21.60
AMR 7,95 kbit/s	21.80	21.55	21.56
AMR 10,2 kbit/s	21.76	21.50	21.59
AMR 12,2 kbit/s	21.82	21.52	21.57
HSDPA Sub test 1	**21.81**	**21.67**	**21.75**
HSDPA Sub test 2	20.32	20.29	20.36
HSDPA Sub test 3	19.07	18.84	19.10
HSDPA Sub test 4	18.92	18.77	18.91
HSUPA Sub test 1	21.79	21.55	21.60
HSUPA Sub test 2	19.55	19.30	19.44
HSUPA Sub test 3	20.91	20.65	20.77
HSUPA Sub test 4	19.51	19.74	19.72
HSUPA Sub test 5	**21.90**	**21.75**	**21.82**

Table 12: Test results conducted power measurement WCDMA 1900

Remark : None of the HSDPA/HSUPA settings leads to conducted power values exceeding the conducted power in RMC mode by more than 0.25 dB.
Therefore no additional SAR measurements were performed in HSDPA/HSUPA mode.

2.5.7 Test-set-up information for WCDMA / HSPDA / HSUPA

a) RMC

In RMC (reference measurement channel) mode the conducted power at 4 different bit rates was measured. They correspond with the used spreading factors as follows :

Bit rate	12.2 kbit/s	64 kbit/s	144 kbit/s	384 kbit/s
Spreading factor (SF)	64	16	8	4

In RMC mode only DPCCH and DPDCH are active. As bit rate changes do not influence the relative power of any code channel the measured RMS output power remains on the same level which is set to maximum by TPC (Transmit power control) pattern type 'All 1'.

b) HSDPA

HSDPA adds the HS-DPCCH in uplink as a control channel for high speed data transfer in downlink. In HSDPA mode 4 sub-tests are defined by 3GPP 34.121 according to the following table:

Sub-test	β_c	β_d	β_d (SF)	β_c/β_d	β_{hs} [1]	CM(dB) [2]
1	2/15	15/15	64	2/15	4/15	0.0
2	12/15 [3]	15/15 [3]	64	12/15 [3]	24/15	1.0
3	15/15	8/15	64	15/8	30/15	1.5
4	15/15	4/15	64	15/4	30/15	1.5

Note 1: $\Delta_{ACK}, \Delta_{NACK}, \Delta_{CQI} = 8 \Longleftrightarrow A_{hs} = \beta_{hs}/\beta_c = 30/15 \Longleftrightarrow \beta_{hs} = 30/15 * \beta_c$
Note 2 : CM = 1 for β_c/β_d = 12/15, β_{hs}/β_c = 24/15
Note 3 : For subtest 2 the β_c/β_d ratio of 12/15 for the TFC during the measurement period (TF1, TF0) is achieved by setting the signalled gain factors for the reference TFC (TF1,TF1) to β_c = 11/15 and β_d = 15/15

Table 13: Sub-tests for UMTS Release 5 HSDPA

The β_c and β_d gain factors for DPCCH and DPDCH were set according to the values in the above table, β_{hs} for HS-DPCCH is set automatically to the correct value when $\Delta_{ACK}, \Delta_{NACK}, \Delta_{CQI} = 8$. The variation of the β_c/β_d ratio causes a power reduction at sub-tests 2 - 4.

The measurements were performed with a Fixed Reference Channel(FRC) and H-Set 1 QPSK.

Parameter	Value
Nominal average inf. bit rate	534 kbit/s
Inter-TTI Distance	3 TTI's
Number of HARQ Processes	2 Processes
Information Bit Payload	3202 Bits
MAC-d PDU size	336 Bits
Number Code Blocks	1 Block
Binary Channel Bits Per TTI	4800 Bits
Total Available SMLs in UE	19200 SMLs
Number of SMLs per HARQ Process	9600 SMLs
Coding Rate	0.67
Number of Physical Channel Codes	5

Table 14: settings of required H-Set 1 QPSK acc. to 3GPP 34.121

c) HSUPA

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

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

Sub-test	β_c	β_d	β_d (SF)	β_c/β_d	β_{hs}[1]	β_{ec}	β_{ed}	β_{ec} (SF)	β_{ed} (code)	CM[2] (dB)	MPR (dB)	AG[4] Index	E-TFCI
1	11/15[3]	15/15[3]	64	11/15[3]	22/15	209/225	1039/225	4	1	1.0	0.0	20	75
2	6/15	15/15	64	6/15	12/15	12/15	94/75	4	1	3.0	2.0	12	67
3	15/15	9/15	64	15/9	30/15	30/15	β_{ed1}:47/15 β_{ed2}:47/15	4	2	2.0	1.0	15	92
4	2/15	15/15	64	2/15	4/15	2/15	56/75	4	1	3.0	2.0	17	71
5	15/15[4]	15/15[4]	64	15/15[4]	30/15	24/15	134/15	4	1	1.0	0.0	21	81

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

Table 15: Subtests for UMTS Release 6 HSUPA

To achieve the settings above some additional procedures were defined by 3GPP 34.121. Those have been included in an application note for the CMU200 and were exactly followed :

- Test mode connection (BS signal tab) :
>   RMC 12.2 kbit/s + HSPA 34.108 with loop mode 1
- HS-DSCH settings (BS signal tab):
>   - FRC with H-set 1 QPSK
>   - ACK-NACK repetition factor = 3
>   - CQI feedback cycle = 4ms
>   - CQI repetition factor = 2
- HSUPA-specific signalling settings (UE signal tab) :
>   - E-TFCI table index = 0
>   - E-DCH minimum set E-TFCI = 9
>   - Puncturing limit non-max = 0.84
>   - max. number of channelisation codes = 2x SF4
>   - Initial Serving Grant Value = Off
- HSDPA and HSUPA Gain factors (UE signal tab)

Sub-test	β_c	β_d	$\Delta_{ACK}, \Delta_{NACK}, \Delta_{CQI}$	$\Delta E-DPCCH$)*
1	10	15	8	6
2	6	15	8	8
3	15	9	8	8
4	2	15	8	5
5	14	15	8	7

)* : β_{ec} and β_{ed} ratios (relative to β_c and β_d) are set by $\Delta E-DPCCH$

- HSUPA Reference E-TFCIs (UE signal tab > HSUPA gain factors) :

Sub-test	1, 2, 4, 5				
Number of E-TFCIs	5				
Reference E-TFCI	11	67	71	75	81
Reference E-TFCI power offset	4	18	23	26	27

Sub-test	3	
Number of E-TFCIs	2	
Reference E-TFCI	11	92
Reference E-TFCI power offset	4	18

- HSUPA-specific generator parameters (BS Signal tab > HSUPA > E-AGCH > AG Pattern)

Sub-test	Absolute Grant Value (AG Index)
1	20
2	12
3	15
4	17
5	21

- Power Level settings (BS Signal tab > Node B-settings):
  - Level reference : Output Channel Power (lor)
  - Output Channel Power (lor) : -86 dBm

- Downlink Physical Channel Settings (BS signal tab)
  - P-CPICH : -10 dB
  - S-CPICH : Off
  - P-SCH : -15 dB
  - S-SCH : -15 dB
  - P-CCPCH : -12 dB
  - S-CCPCH : -12 dB
  - PICH : -15 dB
  - AICH : -12 dB
  - DPDCH : -10 dB
  - HS-SCCH : -8 dB
  - HS-PDSCH : -3 dB
  - E-AGCH : -20 dB
  - E-RGCH/E-HICH - 20 dB
  - E-RGCH Active : Off

The settings above were stored once for each sub-test and recalled before the measurement.

2.5.8 HSUPA test procedure :

To reach maximum output power in HSUPA mode the following procedures were followed:

3 different TPC patterns were defined :
Set 1 : Closed loop with target power 10 dBm
Set 2 : Single Pattern+Alternating with binary pattern '11111' for 1 dB steps 'up'
Set 3 : Single Pattern+Alternating with binary pattern '00000' for 1 dB steps 'down'

After recalling a certain HSUPA sub-test the HSUPA E-AGCH graph with E-TFCI event counter is displayed. After starting with the closed loop command the power is increased in 1 dB steps by activating pattern set 2 until the UE decreases the transmitted E-TFCI.
At this point set 3 is activated once to reduce the output power to the value at which the original E-TFCI, which is required for the sub-test, appears again.

For conducted power measurements the same steps are repeated in the power menu to read out the corresponding maximum RMS output power with the target E-TFCI.
For SAR measurements it is useful to switch to Code Domain Power vs. Time display.
Here the CMU200 shows relative power values (max. and min.) of each code channel which should roughly correspond to the numerators of the gain factors e.g. :

Sub-test	β_c	β_d	β_{hs}	β_{ec}	β_{ed}
5	15	15	30	24	134

By this way a surveillance of signalling conditions is possible to make sure that HSUPA code channels are active during the complete SAR measurement.

2.5.9 Multiple Transmitter Information

The following tables list information which is relevant for the decision if a simultaneous transmit evaluation is necessary according to KDB 648474.

important abbreviations :

SPLSR : Antenna pair SAR to Peak Location Separation Ratio $(SAR_x + SAR_y)/d_{xy}$
P_{ref} : 12 mW at 2.4 GHz

a) head position

Tx No.	Communcation system and frequency band	P_{avg} (mW)	single SAR (W/kg) (see ch. 2.6)	remarks
1a	GSM 850 MHz	250	0.975	routine evaluation
1b	GSM 1900 MHz	125	0.924	routine evaluation
1c	FDD V 850 MHz	250	0.636	routine evaluation
1d	FDD II 1900 MHz	250	1.280	routine evaluation
2	Bluetooth 2450 MHz	5	:=0	$P_2 < P_{ref}$
Sum of all 1g-SAR values		n/a		

Table 16: Communication systems and SAR values in head position

antenna pair (x,y)	antenna distance d_{xy} (cm)	L_{xy} (cm)	$SPLSR_{xy}$	sim.-Tx SAR	remarks
(1a,2)	6.7 cm	n/a	0.146	N	$SPLSR_{xy} < 0.3$
(1b,2)	6.7 cm	n/a	0.138	N	$SPLSR_{xy} < 0.3$
(1c,2)	6.7 cm	n/a	0.095	N	$SPLSR_{xy} < 0.3$
(1d,2)	6.7 cm	n/a	0.191	N	$SPLSR_{xy} < 0.3$

Table 17: Antenna distances and SPLSR evaluation in head position

a) body position

Tx No.	Communcation system and frequency band	P_{avg} (mW)	single SAR (W/kg) (see ch. 2.6)	remarks
1a	GSM 850 MHz	500	0.862	routine evaluation
1b	GSM 1900 MHz	250	0.801	routine evaluation
1c	FDD V 850 MHz	250	0.369	routine evaluation
1d	FDD II 1900 MHz	250	0.591	routine evaluation
2	Bluetooth 2450 MHz	5	:=0	$P_2 < P_{ref}$
	Sum of all 1g-SAR values		n/a	

Table 18: Communication systems and SAR values in body position

antenna pair (x,y)	antenna distance d_{xy} (cm)	L_{xy} (cm)	$SPLSR_{xy}$	sim.-Tx SAR	remarks
(1a,2)	6.7 cm	n/a	0.128	N	$SPLSR_{xy} < 0.3$
(1b,2)	6.7 cm	n/a	0.120	N	$SPLSR_{xy} < 0.3$
(1c,2)	6.7 cm	n/a	0.055	N	$SPLSR_{xy} < 0.3$
(1d,2)	6.7 cm	n/a	0.088	N	$SPLSR_{xy} < 0.3$

Table 19: Antenna distances and SPLSR evaluation in body position

In simple words :
The distance of the GSM/UMTS antenna at the bottom end of the DUT to the Bluetooth antenna at the top end of the DUT is > 5 cm and the sum of the SAR values is < 1.6 W/kg :
No simultaneous transmission SAR evaluation is necessary with GSM/UMTS.
The Bluetooth output power is below P_{ref}. So standalone SAR for BT is not necessary.

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
128 / 824.2 MHz	cheek	0.702 W/kg	0.628 W/kg	1.6 W/kg	21.8/21.6 °C
190 / 836.6 MHz	cheek	0.879 W/kg	0.814 W/kg	1.6 W/kg	21.8/21.6 °C
251 / 848.8 MHz	cheek	0.974 W/kg	**0.975 W/kg**	1.6 W/kg	21.8/21.6 °C
128 / 824.2 MHz	tilted 15°	0.289 W/kg	0.295 W/kg	1.6 W/kg	21.5/21.7 °C
190 / 836.6 MHz	tilted 15°	0.368 W/kg	0.330 W/kg	1.6 W/kg	21.5/21.7 °C
251 / 848.8 MHz	tilted 15°	0.456 W/kg	0.379 W/kg	1.6 W/kg	21.5/21.7 °C
Slide opened					
128 / 824.2 MHz	cheek	0.467 W/kg	0.518 W/kg	1.6 W/kg	21.7/21.6 °C
190 / 836.6 MHz	cheek	0.574 W/kg	0.630 W/kg	1.6 W/kg	21.7/21.6 °C
251 / 848.8 MHz	cheek	0.680 W/kg	0.734 W/kg	1.6 W/kg	21.7/21.6 °C
128 / 824.2 MHz	tilted 15°	0.315 W/kg	0.247 W/kg	1.6 W/kg	21.0/21.7 °C
190 / 836.6 MHz	tilted 15°	0.354 W/kg	0.266 W/kg	1.6 W/kg	21.0/21.7 °C
251 / 848.8 MHz	tilted 15°	0.385 W/kg	0.299 W/kg	1.6 W/kg	21.2/21.7 °C

Table 20: Test results (Head SAR PCS 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	0.466 W/kg	1.6 W/kg	22.8 °C
190 / 836.6 MHz	front	0.395 W/kg	1.6 W/kg	22.8 °C
251 / 848.8 MHz	front	0.460 W/kg	1.6 W/kg	22.8 °C
128 / 824.2 MHz	rear	0.542 W/kg	1.6 W/kg	22.8 °C
190 / 836.6 MHz	rear	0.726 W/kg	1.6 W/kg	22.8 °C
251 / 848.8 MHz	rear	**0.862 W/kg**	1.6 W/kg	22.8 °C
128 / 824.2 MHz	rear 1TS	0.532 W/kg	1.6 W/kg	22.8 °C

Table 21: Test results (Body SAR PCS 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 addition body test was performed at worst case with 1 time slot in uplink in accordance with Sony Ericsson.

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
512 / 1850.2 MHz	cheek	0.434 W/kg	0.633 W/kg	1.6 W/kg	21.8/21.7 °C
661 / 1880.0 MHz	cheek	0.513 W/kg	0.749 W/kg	1.6 W/kg	21.8/21.7 °C
810 / 1909.8 MHz	cheek	0.651 W/kg	**0.924 W/kg**	1.6 W/kg	21.8/21.7 °C
512 / 1850.2 MHz	tilted 15°	0.209 W/kg	0.167 W/kg	1.6 W/kg	21.7/21.8 °C
661 / 1880.0 MHz	tilted 15°	0.233 W/kg	0.199 W/kg	1.6 W/kg	21.7/21.8 °C
810 / 1909.8 MHz	tilted 15°	0.291 W/kg	0.258 W/kg	1.6 W/kg	21.7/21.8 °C
Slide opened					
512 / 1850.2 MHz	cheek	0.238 W/kg	0.361 W/kg	1.6 W/kg	21.7/21.6 °C
661 / 1880.0 MHz	cheek	0.266 W/kg	0.423 W/kg	1.6 W/kg	21.7/21.6 °C
810 / 1909.8 MHz	cheek	0.306 W/kg	0.495 W/kg	1.6 W/kg	21.7/21.6 °C
512 / 1850.2 MHz	tilted 15°	0.172 W/kg	0.178 W/kg	1.6 W/kg	21.7/21.7 °C
661 / 1880.0 MHz	tilted 15°	0.197 W/kg	0.209 W/kg	1.6 W/kg	21.7/21.7 °C
810 / 1909.8 MHz	tilted 15°	0.256 W/kg	0.255 W/kg	1.6 W/kg	21.7/21.7 °C

Table 22: Test results (Head SAR PCS 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	0.201 W/kg	1.6 W/kg	22.0 °C
661 / 1880.0 MHz	front	0.237 W/kg	1.6 W/kg	22.0 °C
810 / 1909.8 MHz	front	0.296 W/kg	1.6 W/kg	22.0 °C
512 / 1850.2 MHz	rear	0.715 W/kg	1.6 W/kg	22.0 °C
661 / 1880.0 MHz	rear	0.701 W/kg	1.6 W/kg	22.0 °C
810 / 1909.8 MHz	rear	**0.801 W/kg**	1.6 W/kg	22.0 °C
512 / 1850.2 MHz	rear 1TS	0.384 W/kg	1.6 W/kg	22.0 °C

Table 23: Test results (Body SAR PCS 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 addition body test was performed at worst case with 1 time slot in uplink in accordance with Sony Ericsson.

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
4133 / 824.2 MHz	cheek	0.456 W/kg	0.431 W/kg	1.6 W/kg	22.0/22.2 °C
4182 / 836.6 MHz	cheek	0.556 W/kg	**0.636 W/kg**	1.6 W/kg	22.0/22.2 °C
4233 / 848.8 MHz	cheek	0.502 W/kg	0.560 W/kg	1.6 W/kg	22.0/22.2 °C
4133 / 824.2 MHz	tilted 15°	0.227 W/kg	0.200 W/kg	1.6 W/kg	22.0/22.2 °C
4182 / 836.6 MHz	tilted 15°	0.298 W/kg	0.254 W/kg	1.6 W/kg	22.0/22.2 °C
4233 / 848.8 MHz	tilted 15°	0.260 W/kg	0.233 W/kg	1.6 W/kg	22.0/22.2 °C
Slide opened					
4133 / 824.2 MHz	cheek	0.522 W/kg	0.389 W/kg	1.6 W/kg	22.0/22.2 °C
4182 / 836.6 MHz	cheek	0.633 W/kg	0.553 W/kg	1.6 W/kg	22.0/22.2 °C
4233 / 848.8 MHz	cheek	0.583 W/kg	0.502 W/kg	1.6 W/kg	22.0/22.2 °C
4133 / 824.2 MHz	tilted 15°	0.298 W/kg	0.265 W/kg	1.6 W/kg	22.0/22.2 °C
4182 / 836.6 MHz	tilted 15°	0.276 W/kg	0.298 W/kg	1.6 W/kg	22.0/22.2 °C
4233 / 848.8 MHz	tilted 15°	0.269 W/kg	0.239 W/kg	1.6 W/kg	22.0/22.2 °C

Table 24: Test results (Head SAR WCDMA FDD V 850 MHz)

The table contains the measured SAR values averaged over a mass of 1 g				
Channel / frequency	Position	Body worn	Limit	Liquid temperature
4133 / 824.2 MHz	front	0.135 W/kg	1.6 W/kg	22.8 °C
4182 / 836.6 MHz	front	0.178 W/kg	1.6 W/kg	22.8 °C
4233 / 848.8 MHz	front	0.163 W/kg	1.6 W/kg	22.8 °C
4133 / 824.2 MHz	rear	0.254 W/kg	1.6 W/kg	22.7 °C
4182 / 836.6 MHz	rear	**0.369 W/kg**	1.6 W/kg	22.7 °C
4233 / 848.8 MHz	rear	0.318 W/kg	1.6 W/kg	22.7 °C

Table 25: Test results (Body SAR WCDMA FDD V 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
9262 / 1850.2 MHz	cheek	0.562 W/kg	1.080 W/kg	1.6 W/kg	21.9/22.7 °C
9400 / 1880.0 MHz	cheek	0.580 W/kg	**1.280 W/kg**	1.6 W/kg	21.9/22.7 °C
9538 / 1909.8 MHz	cheek	0.551 W/kg	1.200 W/kg	1.6 W/kg	21.9/22.7 °C
9262 / 1850.2 MHz	tilted 15°	0.341 W/kg	0.267 W/kg	1.6 W/kg	21.9/22.7 °C
9400 / 1880.0 MHz	tilted 15°	0.373 W/kg	0.342 W/kg	1.6 W/kg	21.9/22.2 °C
9538 / 1909.8 MHz	tilted 15°	0.363 W/kg	0.292 W/kg	1.6 W/kg	21.9/22.7 °C
Slide opened					
9262 / 1850.2 MHz	cheek	0.436 W/kg	0.761 W/kg	1.6 W/kg	21.8/22.0 °C
9400 / 1880.0 MHz	cheek	0.453 W/kg	0.835 W/kg	1.6 W/kg	21.8/22.0 °C
9538 / 1909.8 MHz	cheek	0.406 W/kg	0.727 W/kg	1.6 W/kg	21.8/22.0 °C
9262 / 1850.2 MHz	tilted 15°	0.298 W/kg	0.354 W/kg	1.6 W/kg	21.8/22.0 °C
9400 / 1880.0 MHz	tilted 15°	0.339 W/kg	0.386 W/kg	1.6 W/kg	21.8/22.0 °C
9538 / 1909.8 MHz	tilted 15°	0.340 W/kg	0.433 W/kg	1.6 W/kg	21.8/22.0 °C

Table 26: Test results (Head SAR WCDMA FDD II 1850 MHz)

The table contains the measured SAR values averaged over a mass of 1 g				
Channel / frequency	Position	Body worn	Limit	Liquid temperature
9262 / 1850.2 MHz	front	0.137 W/kg	1.6 W/kg	21.8 °C
9400 / 1880.0 MHz	front	0.153 W/kg	1.6 W/kg	21.8 °C
9538 / 1909.8 MHz	front	0.162 W/kg	1.6 W/kg	21.8 °C
9262 / 1850.2 MHz	rear	0.551 W/kg	1.6 W/kg	21.8 °C
9400 / 1880.0 MHz	rear	**0.591 W/kg**	1.6 W/kg	21.8 °C
9538 / 1909.8 MHz	rear	0.560 W/kg	1.6 W/kg	21.8 °C

Table 27: Test results (Body SAR WCDMA FDD II 1850 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.

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). UMTS mode was tested with Reference Measurement Channel and power control bits set to 'All 1' to get maximum output power.

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

CETECOM ICT Services GmbH

Annex 1 System performance verification

Date/Time: 2009-06-04 16:25:29Date/Time: 2009-06-04 16:29:10

SystemPerformanceCheck-D900 head 2009-06-04

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

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

Medium: HSL900 Medium parameters used: f = 900 MHz; σ = 0.96 mho/m; ε_r = 41.5; ρ = 1000 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: 2009-01-08
- 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) = 11.5 mW/g

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

Reference Value = 115.5 V/m; Power Drift = -0.027 dB

Peak SAR (extrapolated) = 16.0 W/kg

SAR(1 g) = 10.8 mW/g; SAR(10 g) = 6.99 mW/g

Maximum value of SAR (measured) = 11.7 mW/g
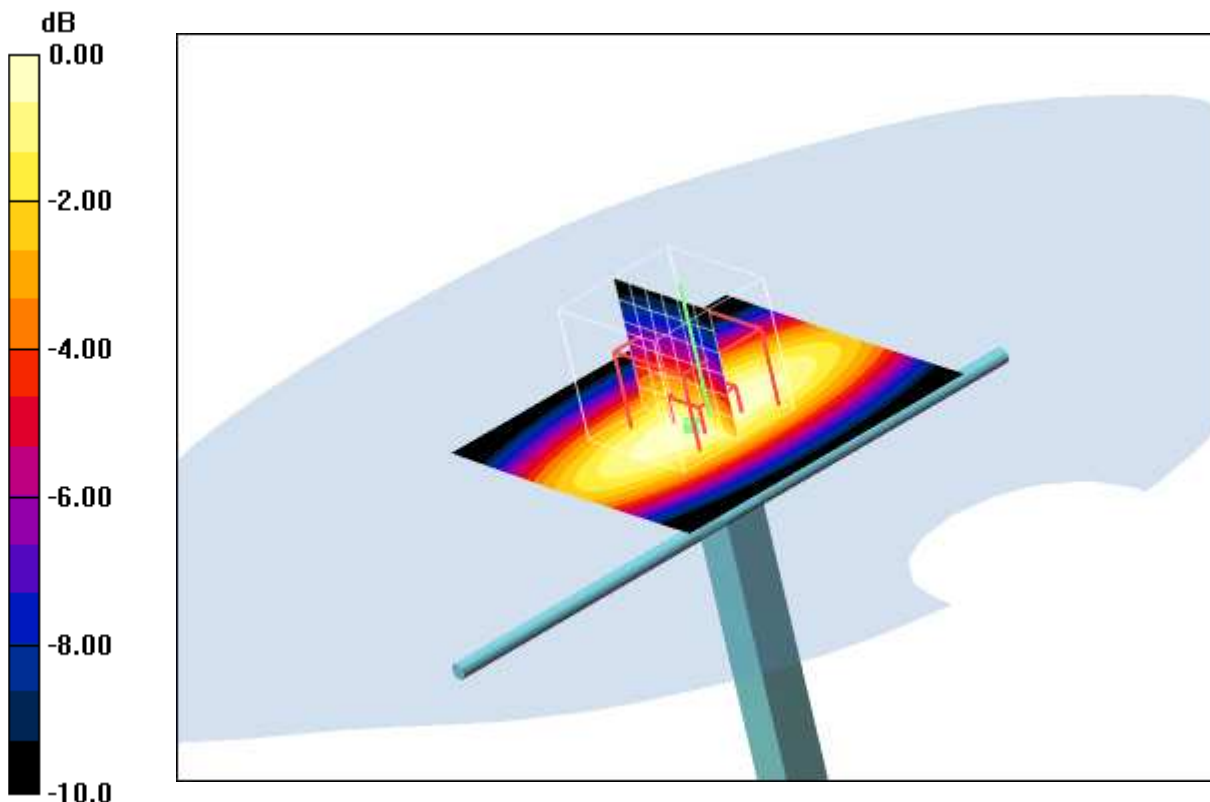
0 dB = 11.7mW/g

Additional information:

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

ambient temperature: 23.3°C; liquid temperature: 22.2°C

Date/Time: 2009-06-05 09:41:50Date/Time: 2009-06-05 09:45:30

SystemPerformanceCheck-D900 head 2009-06-05

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

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

Medium: HSL900 Medium parameters used: f = 900 MHz; σ = 0.96 mho/m; ε_r = 41.5; ρ = 1000 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: 2009-01-08

- 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) = 11.5 mW/g

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

Reference Value = 114.9 V/m; Power Drift = 0.016 dB

Peak SAR (extrapolated) = 15.8 W/kg

SAR(1 g) = 10.8 mW/g; SAR(10 g) = 6.94 mW/g

Maximum value of SAR (measured) = 11.7 mW/g
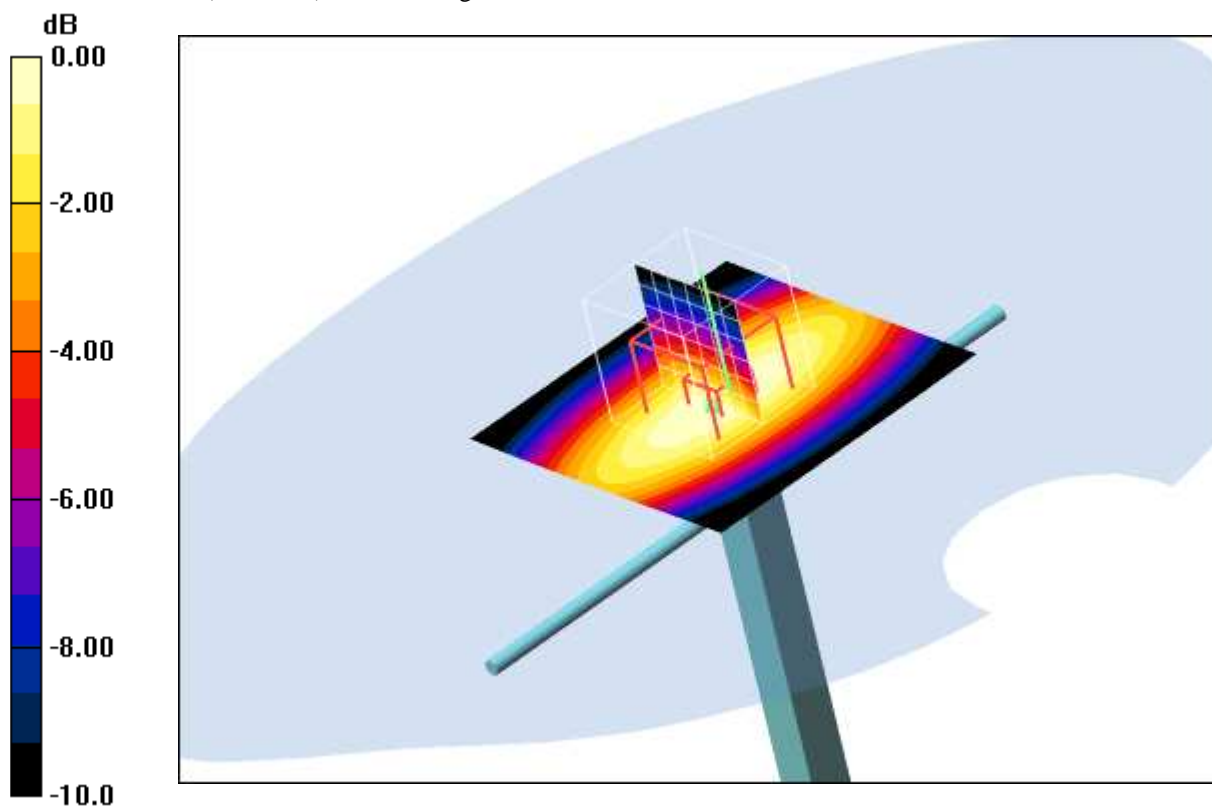
0 dB = 11.7mW/g

Additional information:

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

ambient temperature: 23.5°C; liquid temperature: 22.5°C

Date/Time: 2009-06-08 08:39:17Date/Time: 2009-06-08 08:42:59

SystemPerformanceCheck-D900 head 2009-06-08

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 MHz; σ = 0.96 mho/m; ε_r = 41.5; ρ = 1000 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: 2009-01-08
- 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) = 11.8 mW/g

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

Reference Value = 117.7 V/m; Power Drift = -0.066 dB

Peak SAR (extrapolated) = 16.8 W/kg

SAR(1 g) = 11.1 mW/g; SAR(10 g) = 7.11 mW/g

Maximum value of SAR (measured) = 12.1 mW/g
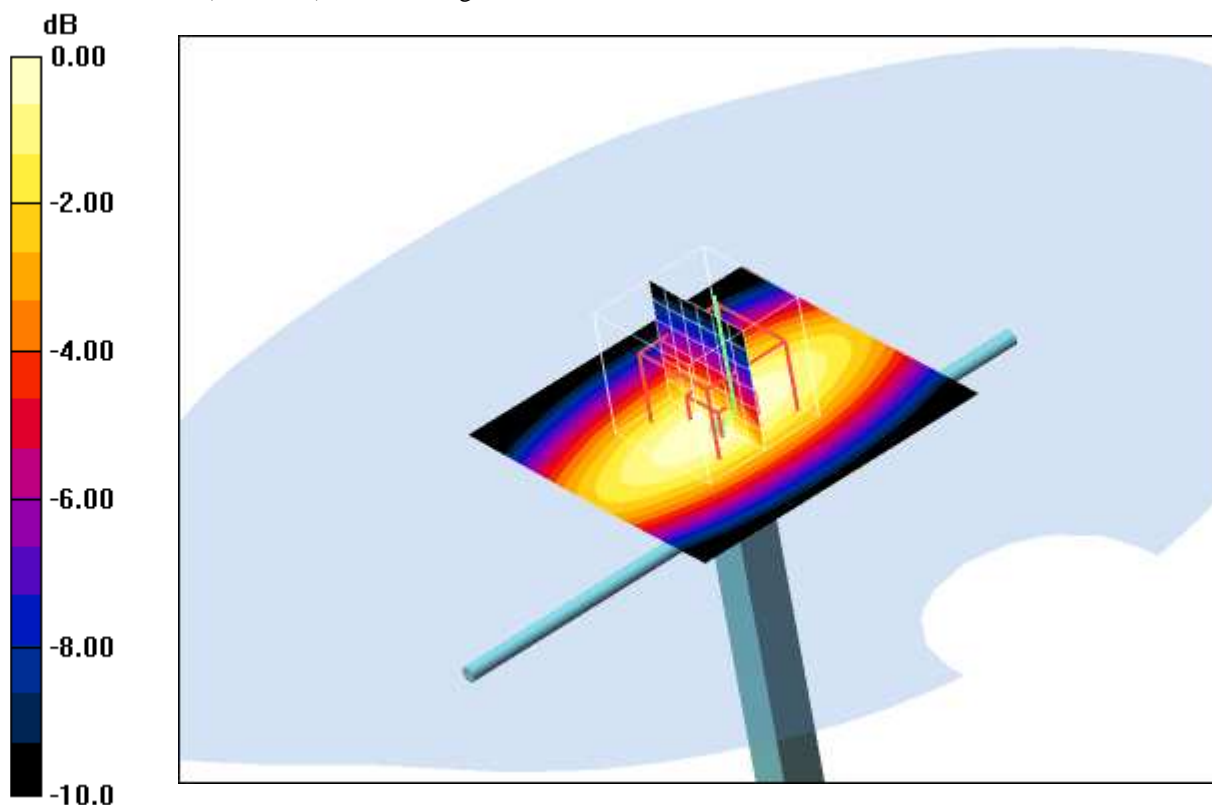
0 dB = 12.1mW/g

Additional information:

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

ambient temperature: 22.4°C; liquid temperature: 21.6°C

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Date/Time: 2009-06-10 08:57:01Date/Time: 2009-06-10 09:00:43

SystemPerformanceCheck-D900 body 2009-06-10

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 MHz; σ = 1.04 mho/m; ε_r = 54.4; ρ = 1000 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: 2009-01-08
- 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) = 11.7 mW/g

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

Reference Value = 112.4 V/m; Power Drift = -0.034 dB
Peak SAR (extrapolated) = 15.8 W/kg
SAR(1 g) = 10.9 mW/g; SAR(10 g) = 7.07 mW/g
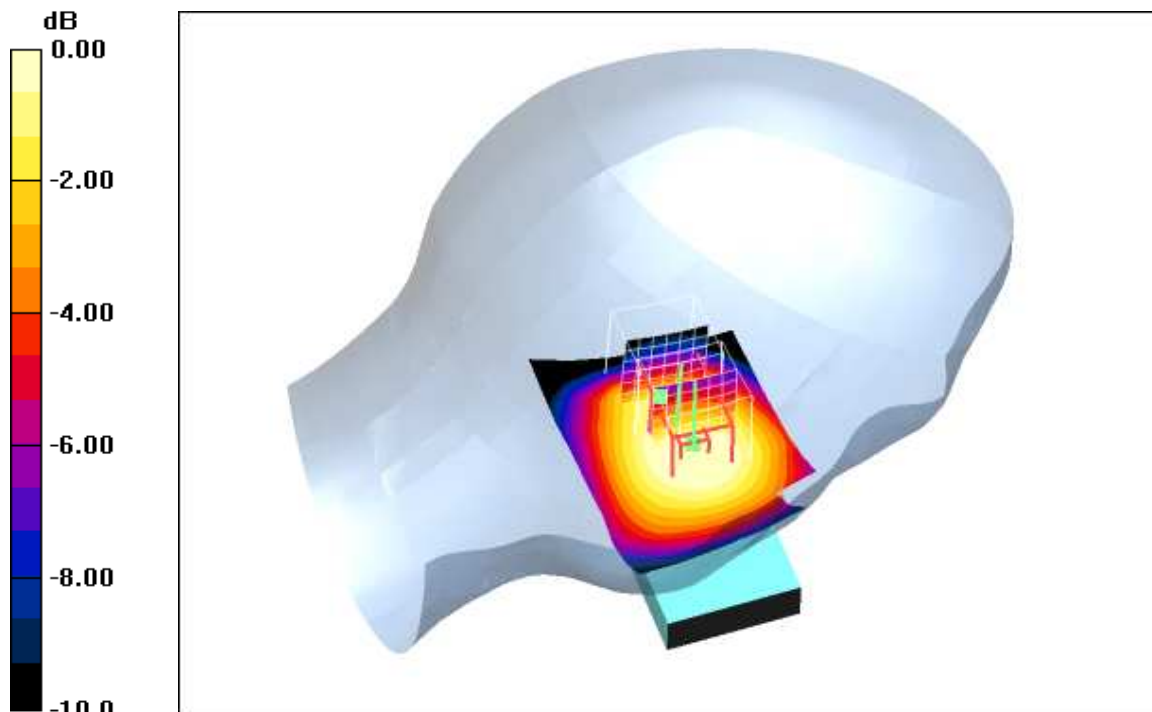Maximum value of SAR (measured) = 11.8 mW/g
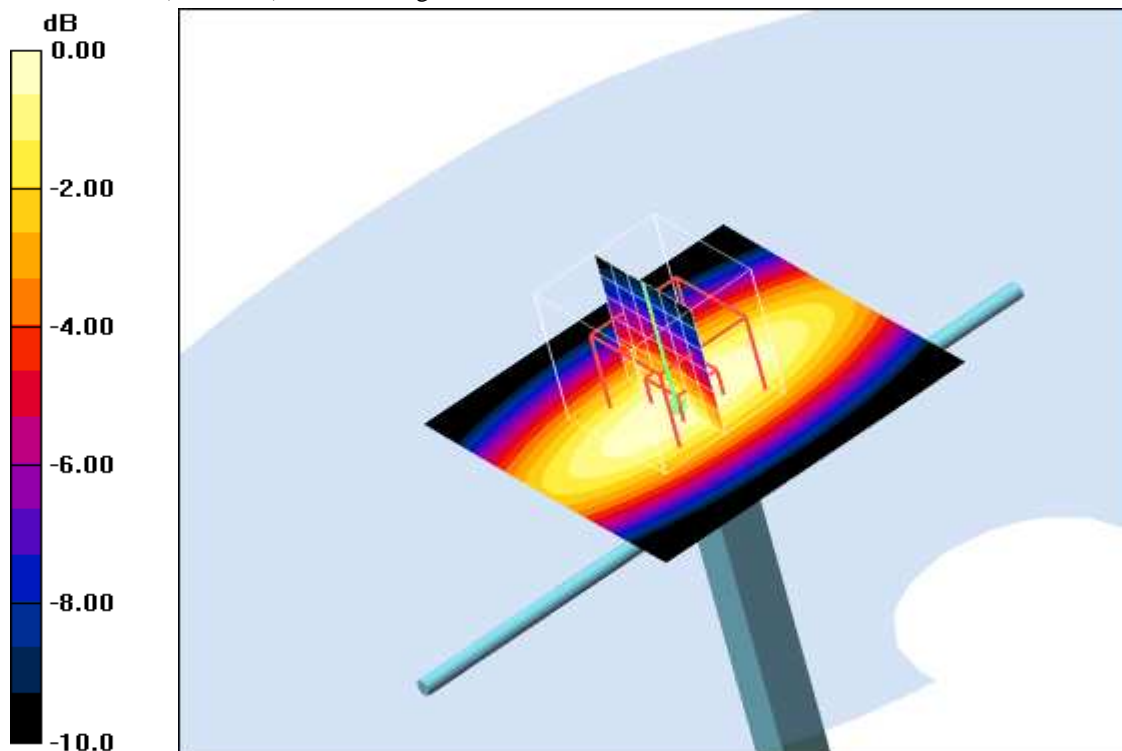
0 dB = 11.8mW/g

Additional information:
position or distance of DUT to SAM (if not standard head positions) :
ambient temperature: 23.2°C; liquid temperature: 22.7°C

Date/Time: 2009-06-02 09:19:54Date/Time: 2009-06-02 09:23:33

SystemPerformanceCheck-D1900 head 2009-06-02

DUT: Dipole 1900 MHz; Type: D1900V2; Serial: 531

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

Medium: HSL1900 Medium parameters used (interpolated): f = 1900 MHz; σ = 1.39 mho/m; ε_r = 39.4; ρ = 1000 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: 2009-01-08
- 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) = 53.6 mW/g

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

Reference Value = 186.7 V/m; Power Drift = -0.033 dB

Peak SAR (extrapolated) = 74.3 W/kg

SAR(1 g) = 40.1 mW/g; SAR(10 g) = 20.8 mW/g

Maximum value of SAR (measured) = 44.7 mW/g
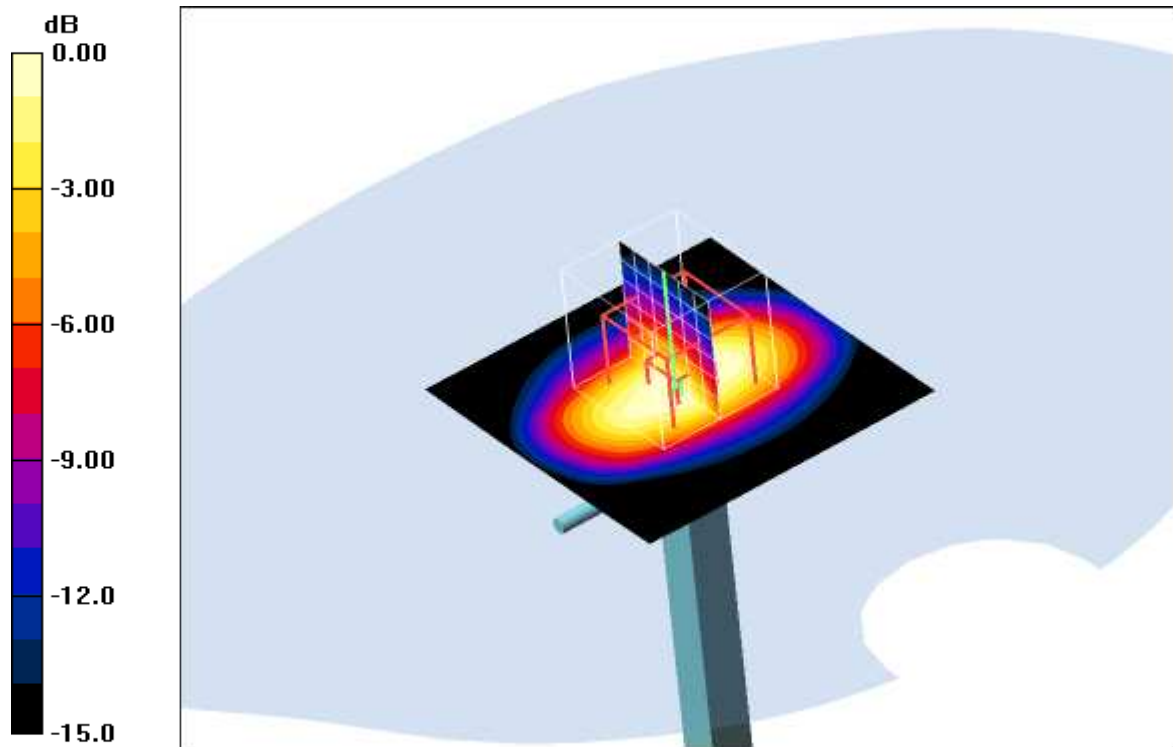
0 dB = 44.7mW/g

Additional information:

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

ambient temperature: 23.2°C; liquid temperature: 21.7°C

Date/Time: 2009-06-03 10:33:38Date/Time: 2009-06-03 10:37:17

SystemPerformanceCheck-D1900 head 2009-06-03

DUT: Dipole 1900 MHz; Type: D1900V2; Serial: 531

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

Medium: HSL1900 Medium parameters used (interpolated): f = 1900 MHz; σ = 1.39 mho/m; ε_r = 39.4; ρ = 1000 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: 2009-01-08
- 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) = 53.8 mW/g

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

Reference Value = 187.9 V/m; Power Drift = -0.029 dB

Peak SAR (extrapolated) = 73.5 W/kg

SAR(1 g) = 39.8 mW/g; SAR(10 g) = 20.8 mW/g
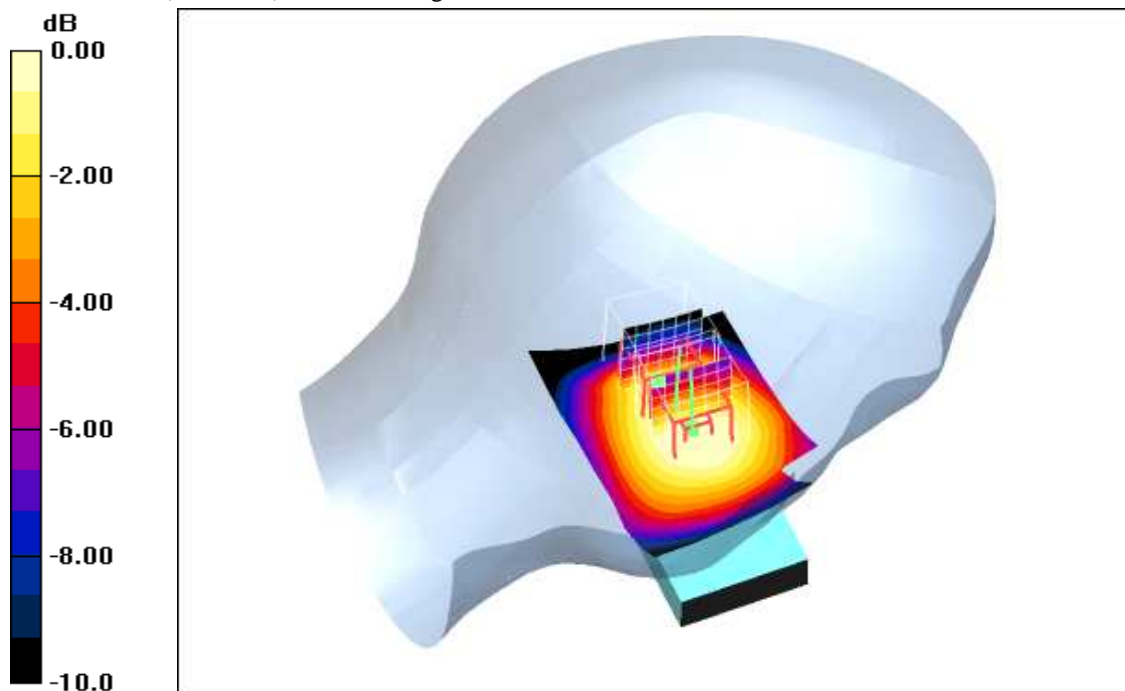
Maximum value of SAR (measured) = 45.0 mW/g
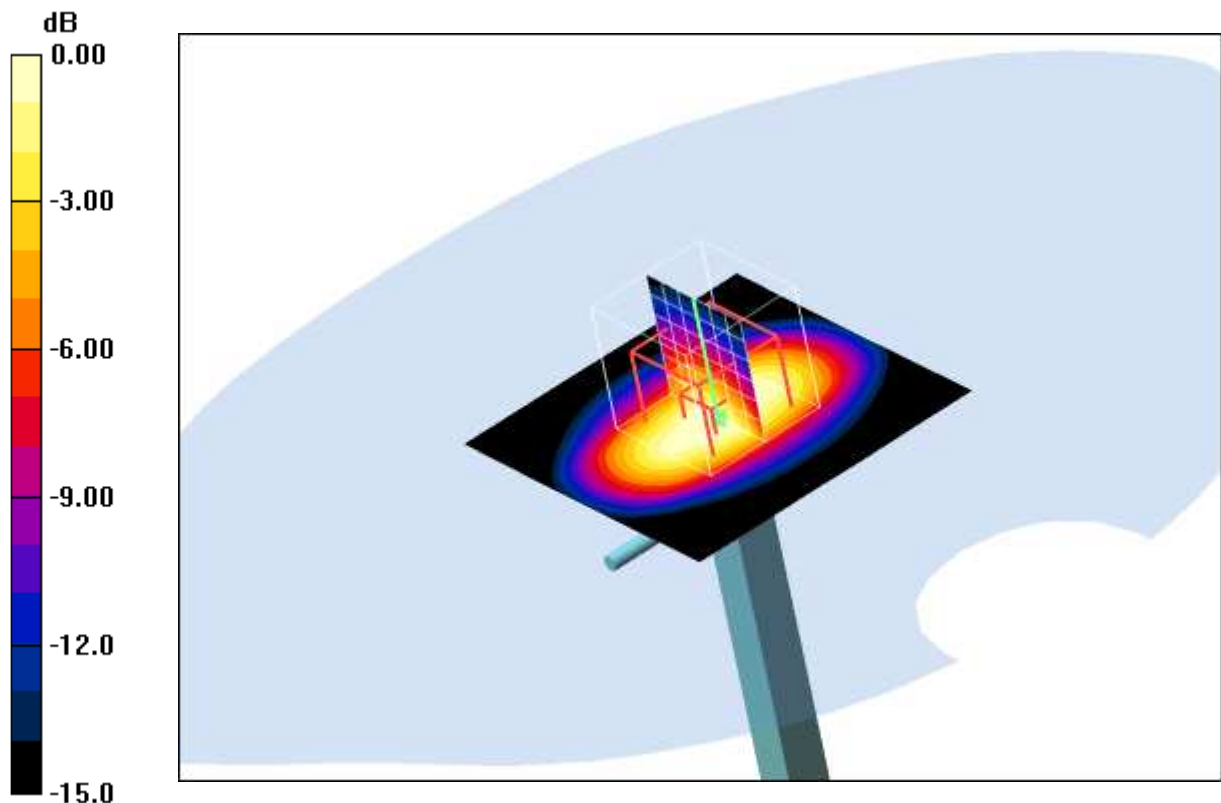
0 dB = 45.0mW/g

Additional information:

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

ambient temperature: 23.2°C; liquid temperature: 22.7°C

Date/Time: 2009-06-09 08:31:00Date/Time: 2009-06-09 08:57:31

SystemPerformanceCheck-D1900 body 2009-06-09

DUT: Dipole 1900 MHz; Type: D1900V2; Serial: 531

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

Medium: M1900 Medium parameters used (interpolated): f = 1900 MHz; σ = 1.47 mho/m; ε_r = 53.1; ρ = 1000 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: 2009-01-08
- 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) = 55.0 mW/g

d=10mm, Pin=1000mW/Zoom Scan (7x7x7) 2 (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 182.3 V/m; Power Drift = -0.028 dB

Peak SAR (extrapolated) = 74.8 W/kg

SAR(1 g) = 39.9 mW/g; SAR(10 g) = 20.9 mW/g
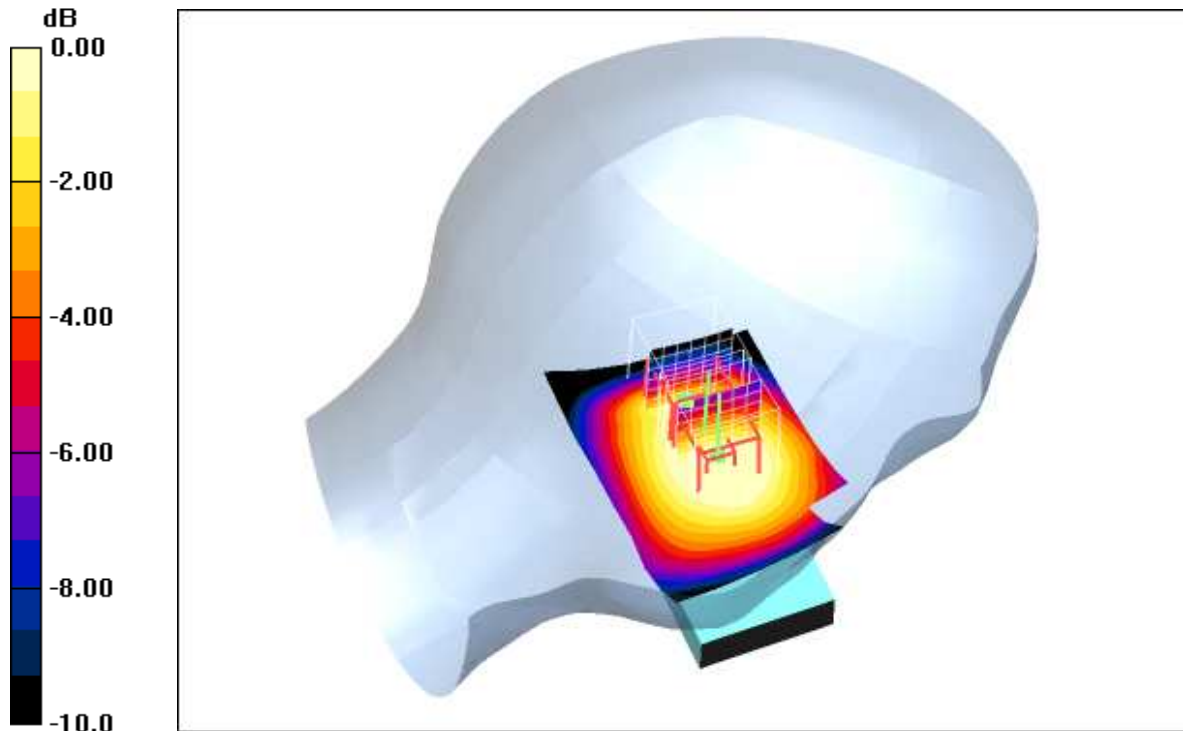
Maximum value of SAR (measured) = 44.6 mW/g
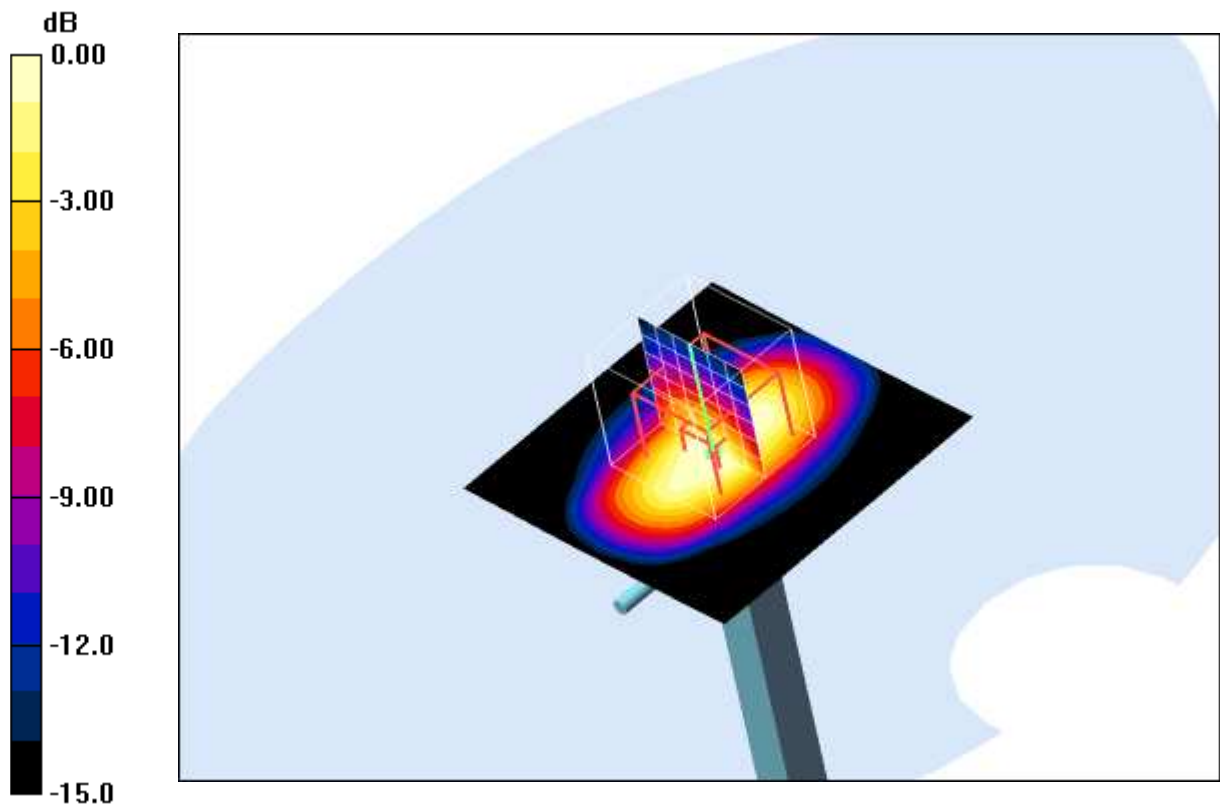
0 dB = 44.6mW/g

Additional information:

position or distance of DUT to SAM (if not standard head positions) :
ambient temperature: 23.2°C; liquid temperature: 21.2°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: 2009-06-08 14:21:16Date/Time: 2009-06-08 14:26:35

IEEE1528_OET65-LeftHandSide-PCS850
DUT: Sony Ericsson; Type: AAD-3880040-BV; Serial: BX900MF7NH
Communication System: PCS 850; Frequency: 824.2 MHz; Duty Cycle: 1:8
Medium: HSL850 Medium parameters used: f = 824.2 MHz; σ = 0.89 mho/m; ε_r = 42.2; ρ = 1000 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: 2009-01-08
- 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) = 0.743 mW/g

**Touch position - Low/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm,
dz=5mm
Reference Value = 30.0 V/m; Power Drift = 0.032 dB
Peak SAR (extrapolated) = 0.910 W/kg
SAR(1 g) = 0.702 mW/g; SAR(10 g) = 0.504 mW/g
Maximum value of SAR (measured) = 0.737 mW/g
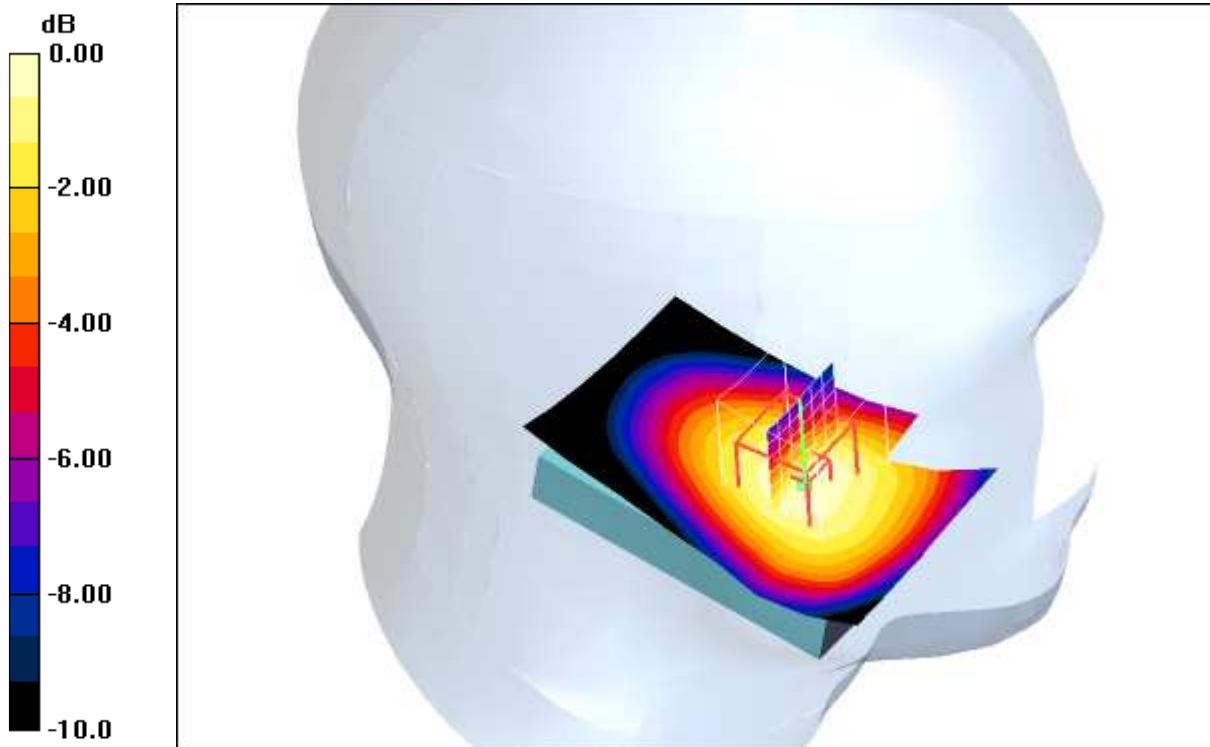
0 dB = 0.737mW/g

Additional information:
position or distance of DUT to SAM (if not standard head positions) :
ambient temperature: 22.9°C; liquid temperature: 21.8°C

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Date/Time: 2009-06-08 14:45:13Date/Time: 2009-06-08 14:50:33

IEEE1528_OET65-LeftHandSide-PCS850

DUT: Sony Ericsson; Type: AAD-3880040-BV; Serial: BX900MF7NH

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

Medium: HSL850 Medium parameters used: f = 836.6 MHz; σ = 0.89 mho/m; ε_r = 42.2; ρ = 1000 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: 2009-01-08
- 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=15mm, dy=15mm
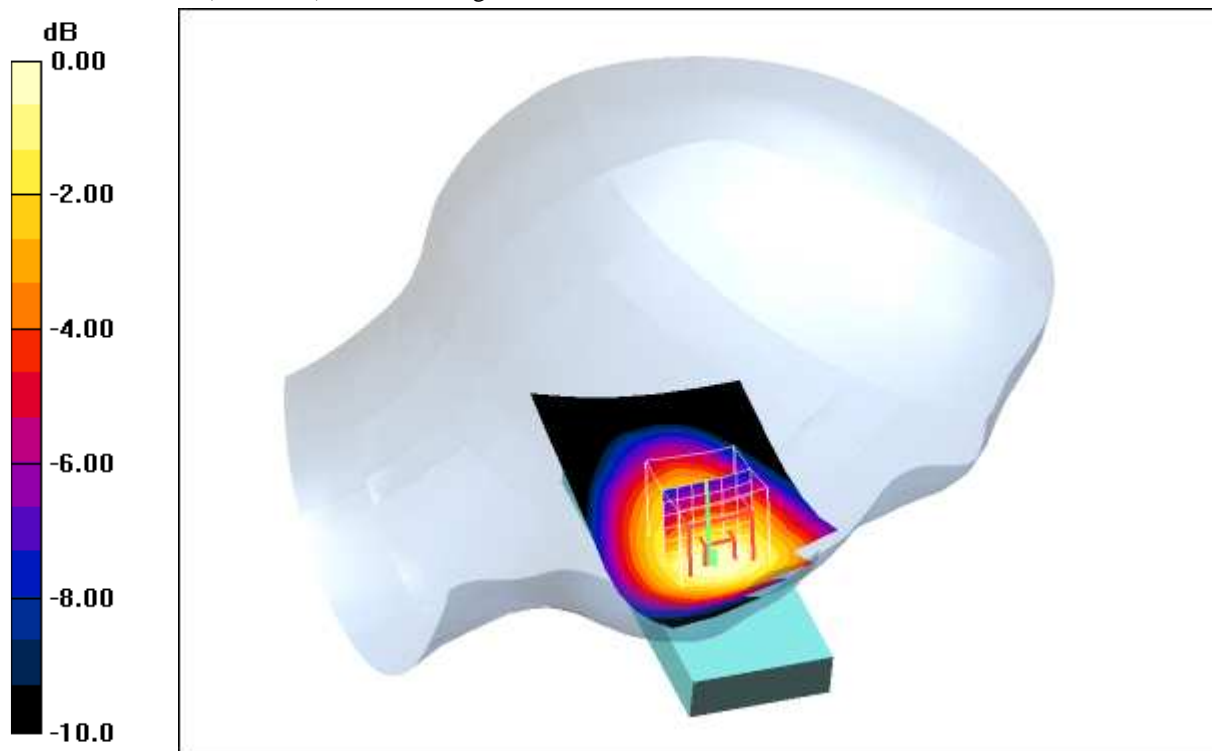
Maximum value of SAR (interpolated) = 0.934 mW/g

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

Reference Value = 33.9 V/m; Power Drift = -0.077 dB

Peak SAR (extrapolated) = 1.15 W/kg

SAR(1 g) = 0.879 mW/g; SAR(10 g) = 0.626 mW/g

Maximum value of SAR (measured) = 0.933 mW/g

0 dB = 0.933mW/g

Additional information:

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

ambient temperature: 22.9°C; liquid temperature: 21.8°C

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IEEE1528_OET65-LeftHandSide-PCS850

DUT: Sony Ericsson; Type: AAD-3880040-BV; Serial: BX900MF7NH

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

Medium: HSL850 Medium parameters used: f = 848.8 MHz; σ = 0.89 mho/m; ε_r = 42.2; ρ = 1000 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: 2009-01-08
- 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=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.04 mW/g

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

Reference Value = 35.6 V/m; Power Drift = -0.095 dB

Peak SAR (extrapolated) = 1.28 W/kg

SAR(1 g) = 0.974 mW/g; SAR(10 g) = 0.693 mW/g

Maximum value of SAR (measured) = 1.02 mW/g
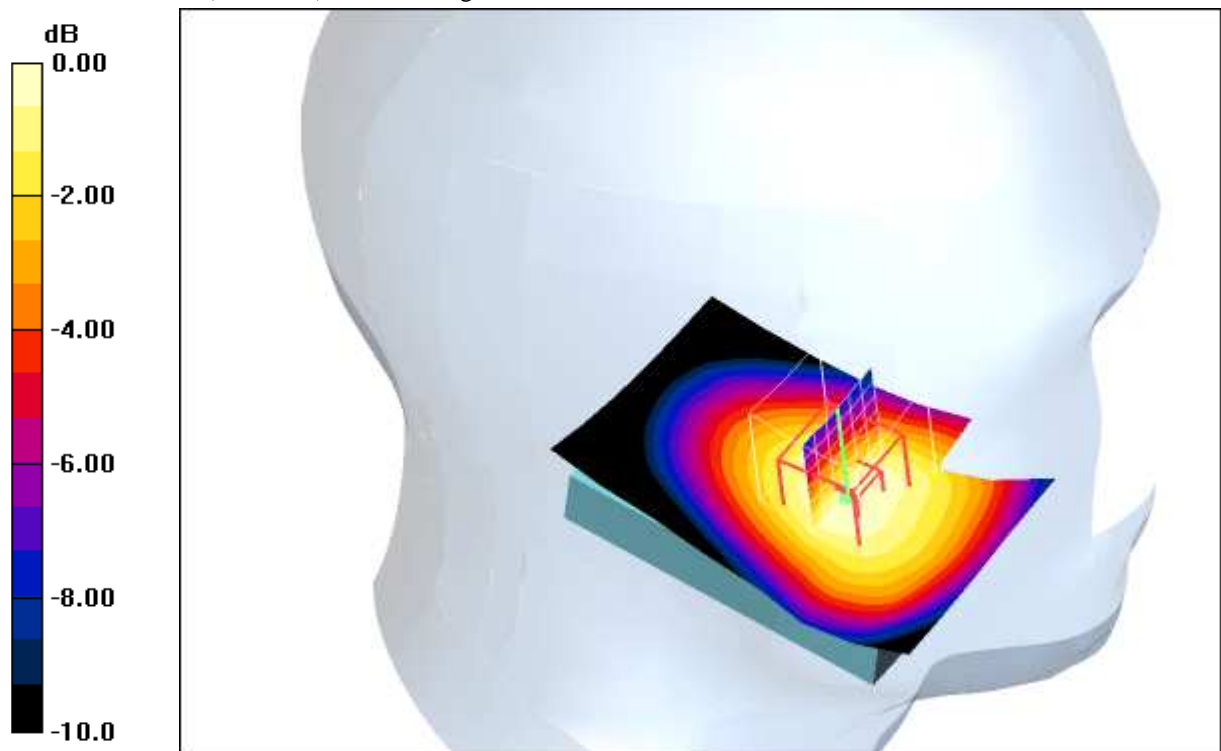
0 dB = 1.02mW/g

Additional information:

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

ambient temperature: 22.9°C; liquid temperature: 21.8°C

Date/Time: 2009-06-08 18:59:58Date/Time: 2009-06-08 19:06:12Date/Time: 2009-06-08 19:17:48

IEEE1528_OET65-LeftHandSide-PCS850

DUT: Sony Ericsson; Type: AAD-3880040-BV; Serial: BX900MF7NH

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

Medium: HSL850 Medium parameters used: f = 824.2 MHz; σ = 0.89 mho/m; ε_r = 42.2; ρ = 1000 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: 2009-01-08
- 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=15mm, dy=15mm

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

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

Reference Value = 19.2 V/m; Power Drift = -0.198 dB

Peak SAR (extrapolated) = 0.371 W/kg

SAR(1 g) = 0.289 mW/g; SAR(10 g) = 0.211 mW/g

Maximum value of SAR (measured) = 0.304 mW/g

## Tilt position - Low/Zoom Scan (7x7x7) (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 19.2 V/m; Power Drift = -0.198 dB

Peak SAR (extrapolated) = 0.319 W/kg

SAR(1 g) = 0.227 mW/g; SAR(10 g) = 0.149 mW/g

Maximum value of SAR (measured) = 0.264 mW/g

0 dB = 0.264mW/g

Additional information:

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

ambient temperature: 23.1 °C; liquid temperature: 21.5 °C

Date/Time: 2009-06-08 18:28:29Date/Time: 2009-06-08 18:34:37Date/Time: 2009-06-08 18:46:29

IEEE1528_OET65-LeftHandSide-PCS850

DUT: Sony Ericsson; Type: AAD-3880040-BV; Serial: BX900MF7NH
Communication System: PCS 850; Frequency: 836.6 MHz; Duty Cycle: 1:8
Medium: HSL850 Medium parameters used: f = 836.6 MHz; σ = 0.89 mho/m; ϵ_r = 42.2; ρ = 1000 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: 2009-01-08
- 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=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.385 mW/g

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

Reference Value = 21.4 V/m; Power Drift = -0.064 dB
Peak SAR (extrapolated) = 0.474 W/kg
SAR(1 g) = 0.368 mW/g; SAR(10 g) = 0.266 mW/g
Maximum value of SAR (measured) = 0.388 mW/g

Tilt position - Middle/Zoom Scan (7x7x7) (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 21.4 V/m; Power Drift = -0.064 dB
Peak SAR (extrapolated) = 0.419 W/kg
SAR(1 g) = 0.295 mW/g; SAR(10 g) = 0.190 mW/g
Maximum value of SAR (measured) = 0.343 mW/g

0 dB = 0.343mW/g

Additional information:
position or distance of DUT to SAM (if not standard head positions) :
ambient temperature: 23.1 °C; liquid temperature: 21.5 °C

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Date/Time: 2009-06-08 17:55:49Date/Time: 2009-06-08 18:02:54Date/Time: 2009-06-08 18:14:47

IEEE1528_OET65-LeftHandSide-PCS850

DUT: Sony Ericsson; Type: AAD-3880040-BV; Serial: BX900MF7NH

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

Medium: HSL850 Medium parameters used: f = 848.8 MHz; σ = 0.89 mho/m; ε_r = 42.2; ρ = 1000 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: 2009-01-08
- 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=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.508 mW/g

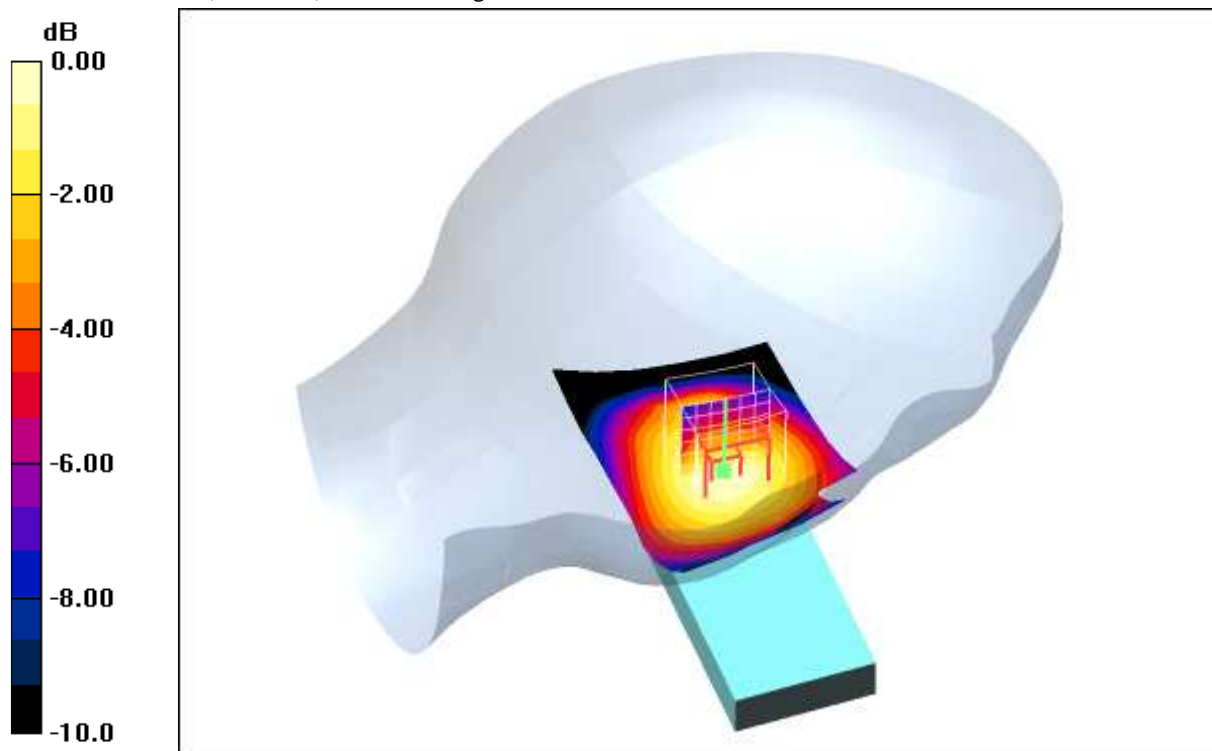## Tilt position - High/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 23.9 V/m; Power Drift = -0.107 dB

Peak SAR (extrapolated) = 0.584 W/kg

SAR(1 g) = 0.456 mW/g; SAR(10 g) = 0.329 mW/g

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

Tilt position - High/Zoom Scan (7x7x7) (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 23.9 V/m; Power Drift = -0.107 dB

Peak SAR (extrapolated) = 0.501 W/kg

SAR(1 g) = 0.351 mW/g; SAR(10 g) = 0.226 mW/g

Maximum value of SAR (measured) = 0.413 mW/g

0 dB = 0.413mW/g

Additional information:

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

ambient temperature: 23.6 °C; liquid temperature: 21.6 °C

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Date/Time: 2009-06-08 16:19:50Date/Time: 2009-06-08 16:26:15

IEEE1528_OET65-LeftHandSide-PCS850 open

DUT: Sony Ericsson; Type: AAD-3880040-BV; Serial: BX900MF7NH

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

Medium: HSL850 Medium parameters used: f = 824.2 MHz; σ = 0.89 mho/m; ε_r = 42.2; ρ = 1000 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: 2009-01-08
- 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=15mm, dy=15mm
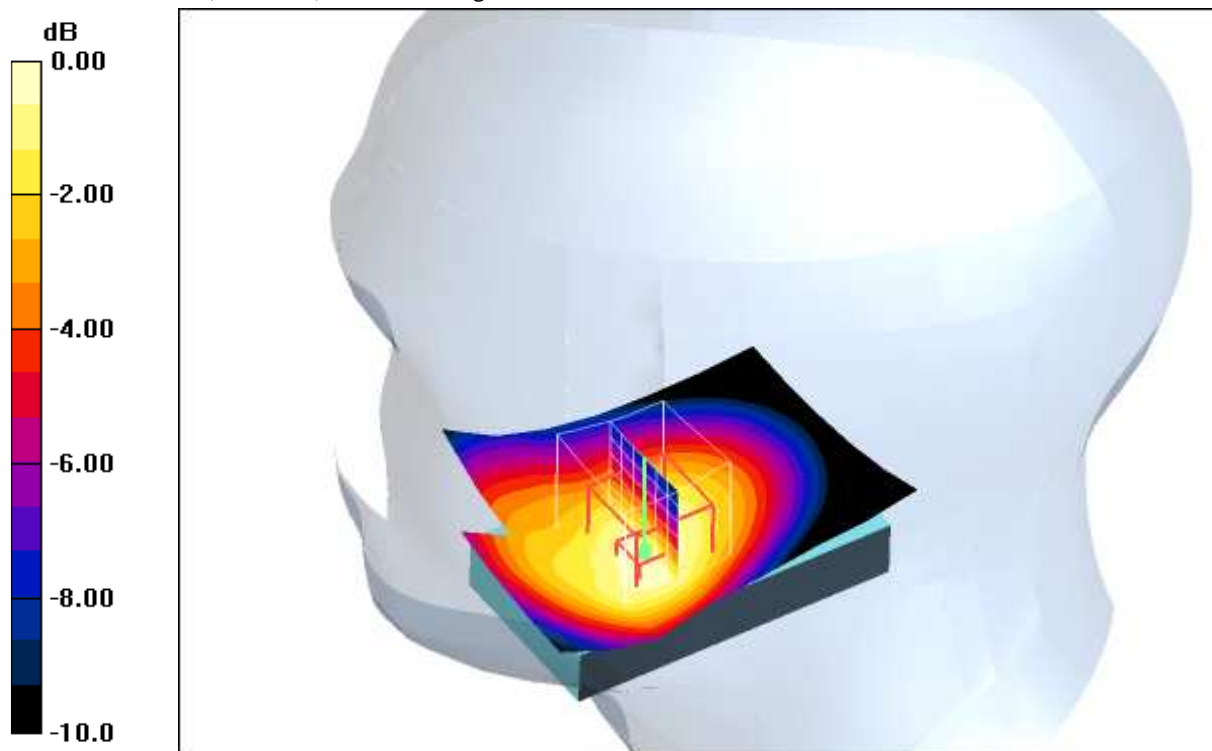
Maximum value of SAR (interpolated) = 0.487 mW/g

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

Reference Value = 23.5 V/m; Power Drift = 0.023 dB

Peak SAR (extrapolated) = 0.588 W/kg

SAR(1 g) = 0.467 mW/g; SAR(10 g) = 0.342 mW/g

Maximum value of SAR (measured) = 0.493 mW/g
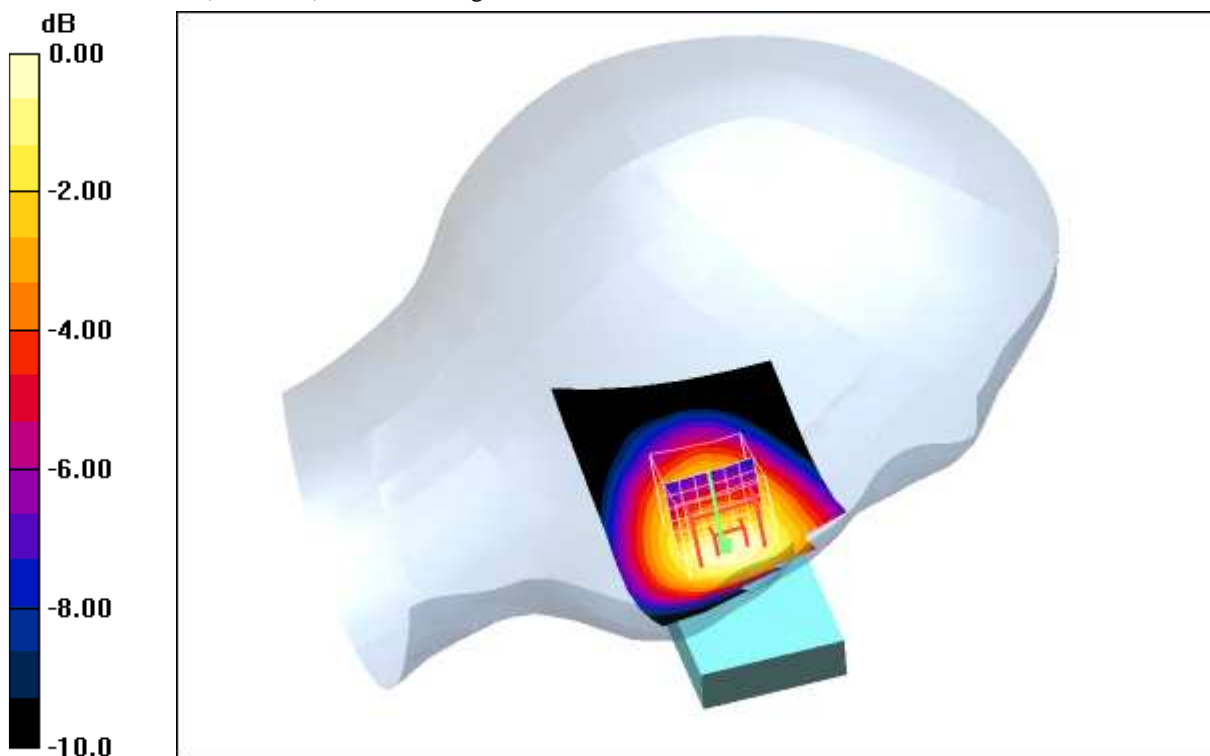
0 dB = 0.493mW/g

Additional information:

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

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

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Date/Time: 2009-06-08 15:57:57Date/Time: 2009-06-08 16:04:19

IEEE1528_OET65-LeftHandSide-PCS850 open

DUT: Sony Ericsson; Type: AAD-3880040-BV; Serial: BX900MF7NH

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

Medium: HSL850 Medium parameters used: f = 836.6 MHz; σ = 0.89 mho/m; ε_r = 42.2; ρ = 1000 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: 2009-01-08
- 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=15mm, dy=15mm

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

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

Reference Value = 26.2 V/m; Power Drift = -0.030 dB

Peak SAR (extrapolated) = 0.736 W/kg

SAR(1 g) = 0.574 mW/g; SAR(10 g) = 0.416 mW/g

Maximum value of SAR (measured) = 0.607 mW/g

0 dB = 0.607mW/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

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IEEE1528_OET65-LeftHandSide-PCS850 open

DUT: Sony Ericsson; Type: AAD-3880040-BV; Serial: BX900MF7NH

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

Medium: HSL850 Medium parameters used: f = 848.8 MHz; σ = 0.89 mho/m; ε_r = 42.2; ρ = 1000 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: 2009-01-08
- 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=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.719 mW/g

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

Reference Value = 28.7 V/m; Power Drift = -0.045 dB

Peak SAR (extrapolated) = 0.864 W/kg

SAR(1 g) = 0.680 mW/g; SAR(10 g) = 0.496 mW/g

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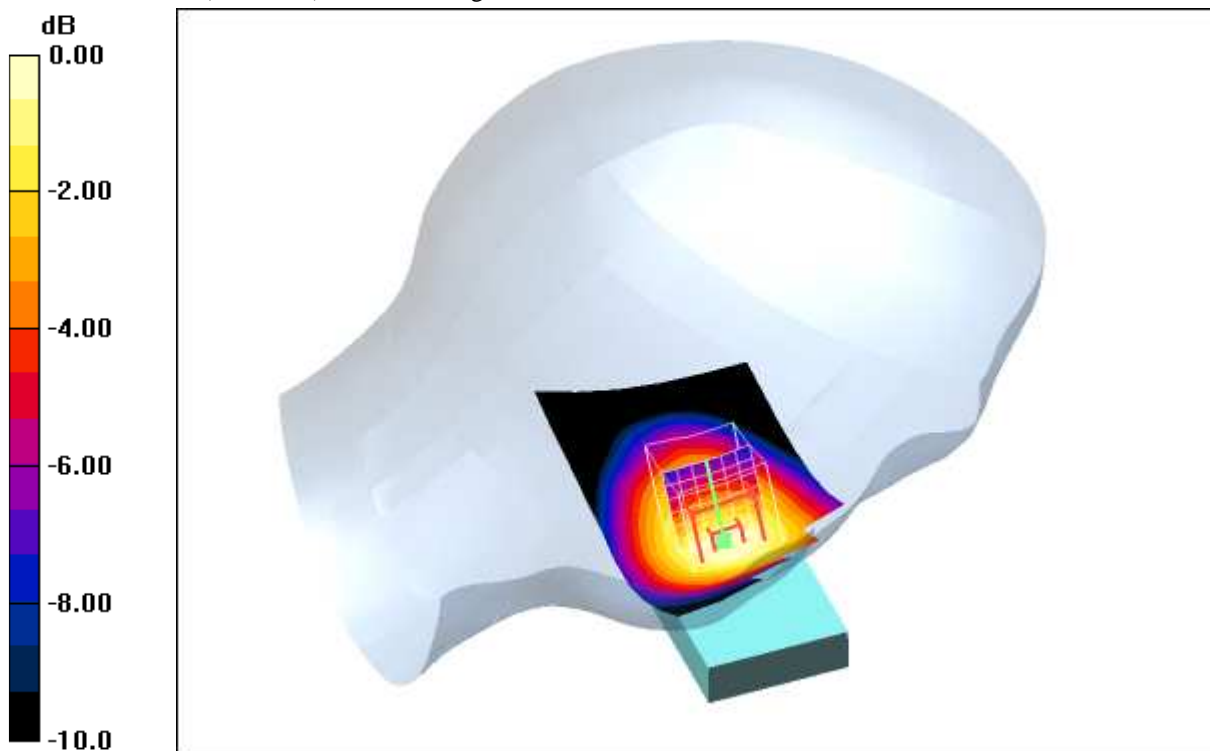
0 dB = 0.717mW/g

Additional information:

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

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

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Date/Time: 2009-06-08 16:45:45Date/Time: 2009-06-08 16:52:14

IEEE1528_OET65-LeftHandSide-PCS850 open

DUT: Sony Ericsson; Type: AAD-3880040-BV; Serial: BX900MF7NH

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

Medium: HSL850 Medium parameters used: f = 824.2 MHz; σ = 0.89 mho/m; ε_r = 42.2; ρ = 1000 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: 2009-01-08
- 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=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.325 mW/g

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

Reference Value = 19.5 V/m; Power Drift = -0.017 dB

Peak SAR (extrapolated) = 0.406 W/kg

SAR(1 g) = 0.315 mW/g; SAR(10 g) = 0.231 mW/g
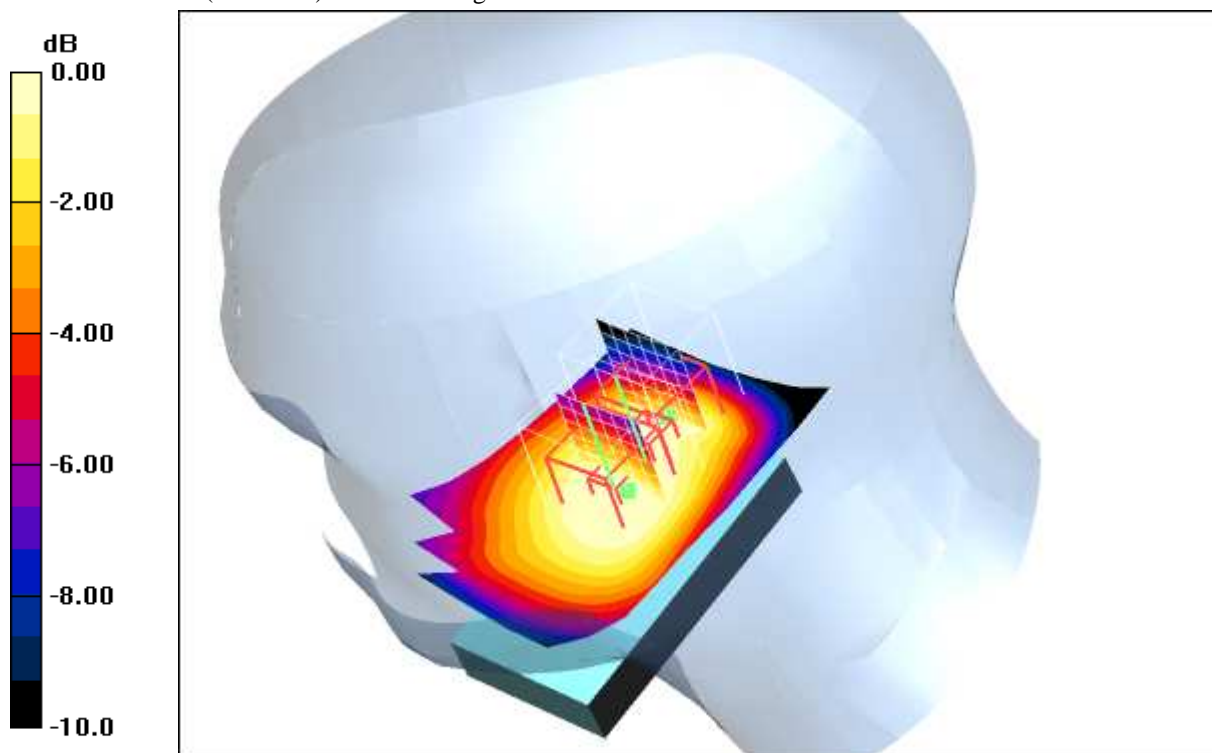
Maximum value of SAR (measured) = 0.331 mW/g
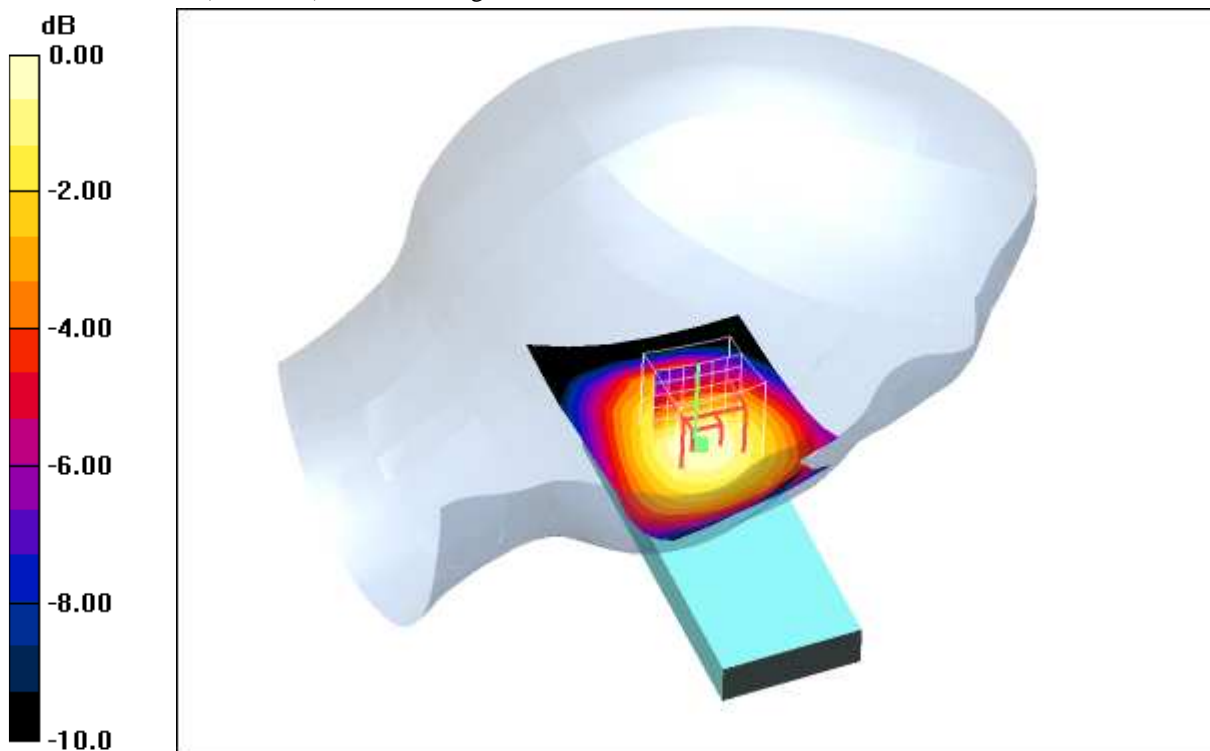
0 dB = 0.331mW/g

Additional information:

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

ambient temperature: 22.1 °C; liquid temperature: 21.0 °C

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Date/Time: 2009-06-08 17:06:43Date/Time: 2009-06-08 17:13:37

IEEE1528_OET65-LeftHandSide-PCS850 open

DUT: Sony Ericsson; Type: AAD-3880040-BV; Serial: BX900MF7NH
Communication System: PCS 850; Frequency: 836.6 MHz; Duty Cycle: 1:8
Medium: HSL850 Medium parameters used: f = 836.6 MHz; σ = 0.89 mho/m; ε_r = 42.2; ρ = 1000 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: 2009-01-08
- 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=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.374 mW/g

Tilt position - Middle/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 20.8 V/m; Power Drift = -0.081 dB
Peak SAR (extrapolated) = 0.445 W/kg
SAR(1 g) = 0.354 mW/g; SAR(10 g) = 0.260 mW/g
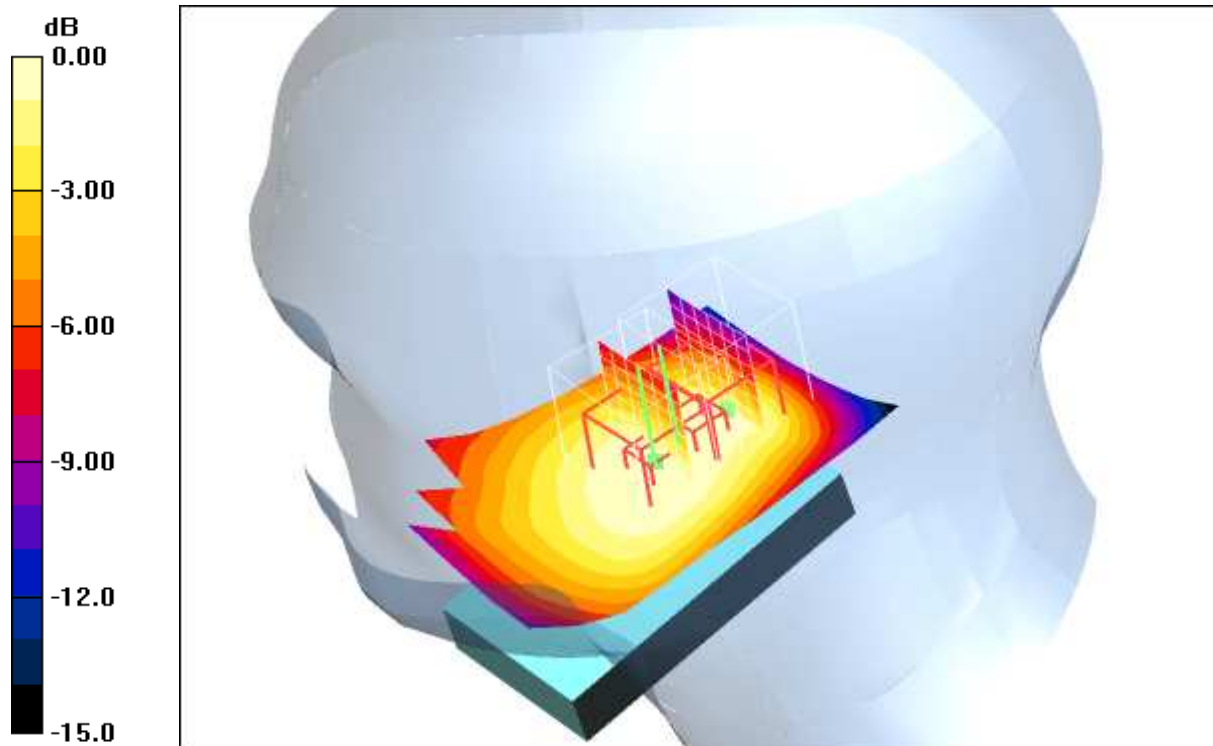Maximum value of SAR (measured) = 0.373 mW/g
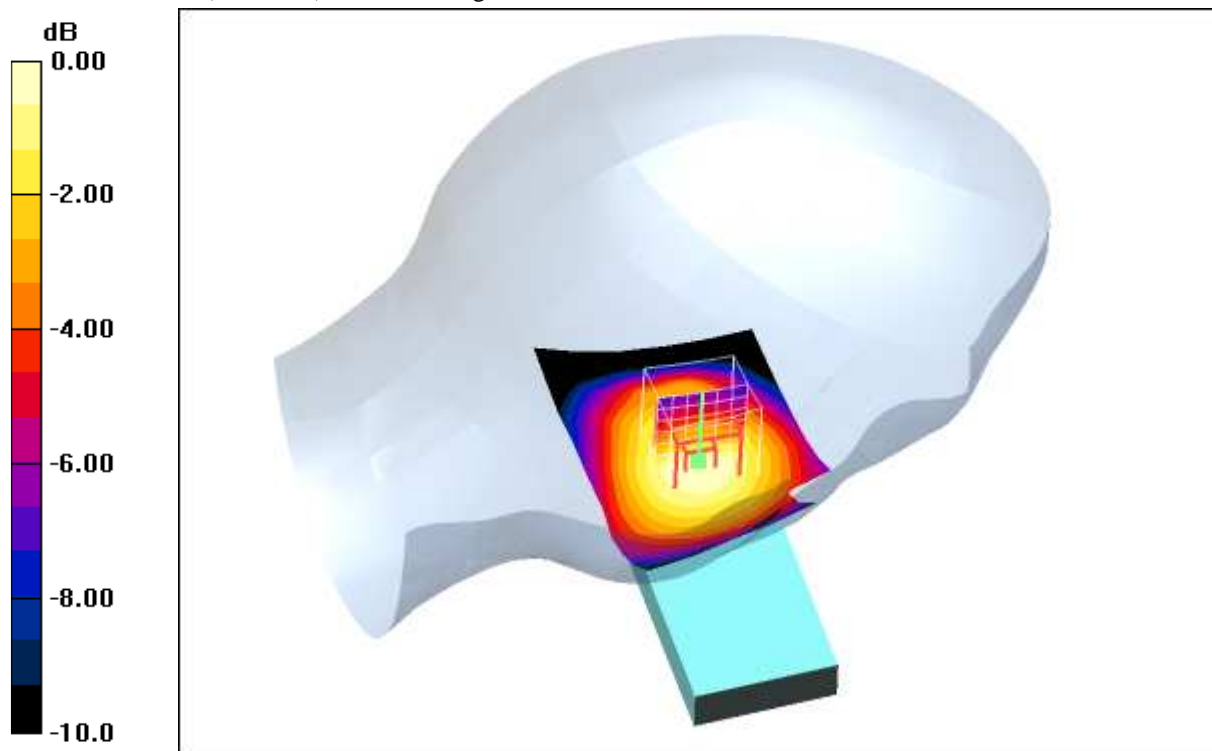
0 dB = 0.373mW/g

Additional information:
position or distance of DUT to SAM (if not standard head positions) :
ambient temperature: 22.1 °C; liquid temperature: 21.0 °C

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Date/Time: 2009-06-08 17:29:07Date/Time: 2009-06-08 17:37:23

IEEE1528_OET65-LeftHandSide-PCS850 open

DUT: Sony Ericsson; Type: AAD-3880040-BV; Serial: BX900MF7NH

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

Medium: HSL850 Medium parameters used: f = 848.8 MHz; σ = 0.89 mho/m; $ε_r$ = 42.2; ρ = 1000 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: 2009-01-08
- 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=15mm, dy=15mm

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

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

Reference Value = 21.6 V/m; Power Drift = -0.157 dB

Peak SAR (extrapolated) = 0.487 W/kg

SAR(1 g) = 0.385 mW/g; SAR(10 g) = 0.281 mW/g

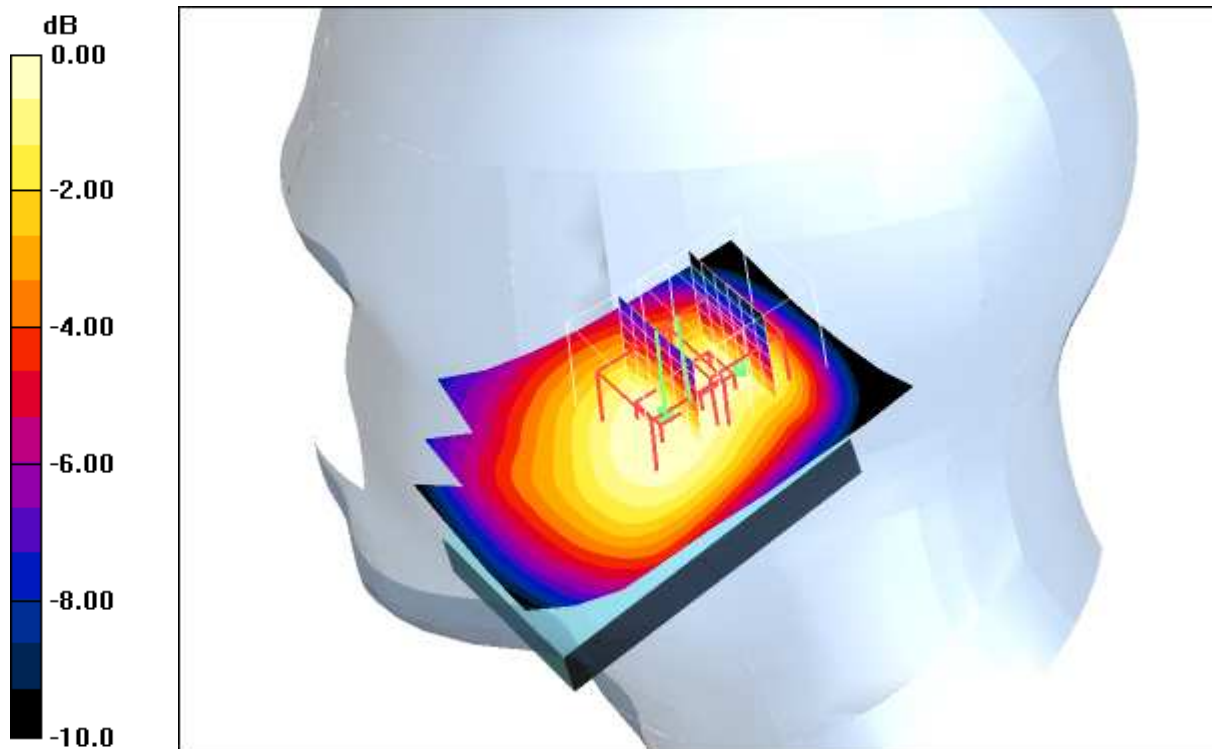Maximum value of SAR (measured) = 0.408 mW/g

0 dB = 0.408mW/g

Additional information:

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

ambient temperature: 23.0 °C; liquid temperature: 21.2 °C

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IEEE1528_OET65-RightHandSide-PCS850

DUT: Sony Ericsson; Type: AAD-3880040-BV; Serial: BX900MF7NH

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

Medium: HSL850 Medium parameters used: f = 824.2 MHz; σ = 0.89 mho/m; ε_r = 42.2; ρ = 1000 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: 2009-01-08
- 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) = 0.676 mW/g

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

Reference Value = 29.0 V/m; Power Drift = 0.022 dB

Peak SAR (extrapolated) = 0.918 W/kg

SAR(1 g) = 0.628 mW/g; SAR(10 g) = 0.432 mW/g

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

0 dB = 0.678mW/g

Additional information:

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

ambient temperature: 22.4°C; liquid temperature: 21.6°C

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IEEE1528_OET65-RightHandSide-PCS850

DUT: Sony Ericsson; Type: AAD-3880040-BV; Serial: BX900MF7NH
Communication System: PCS 850; Frequency: 836.6 MHz; Duty Cycle: 1:8
Medium: HSL850 Medium parameters used: f = 836.6 MHz; σ = 0.89 mho/m; ε_r = 42.2; ρ = 1000 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: 2009-01-08
- 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=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.900 mW/g

## Touch position - Middle/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 32.9 V/m; Power Drift = -0.075 dB
Peak SAR (extrapolated) = 1.24 W/kg
SAR(1 g) = 0.814 mW/g; SAR(10 g) = 0.554 mW/g
Maximum value of SAR (measured) = 0.885 mW/g
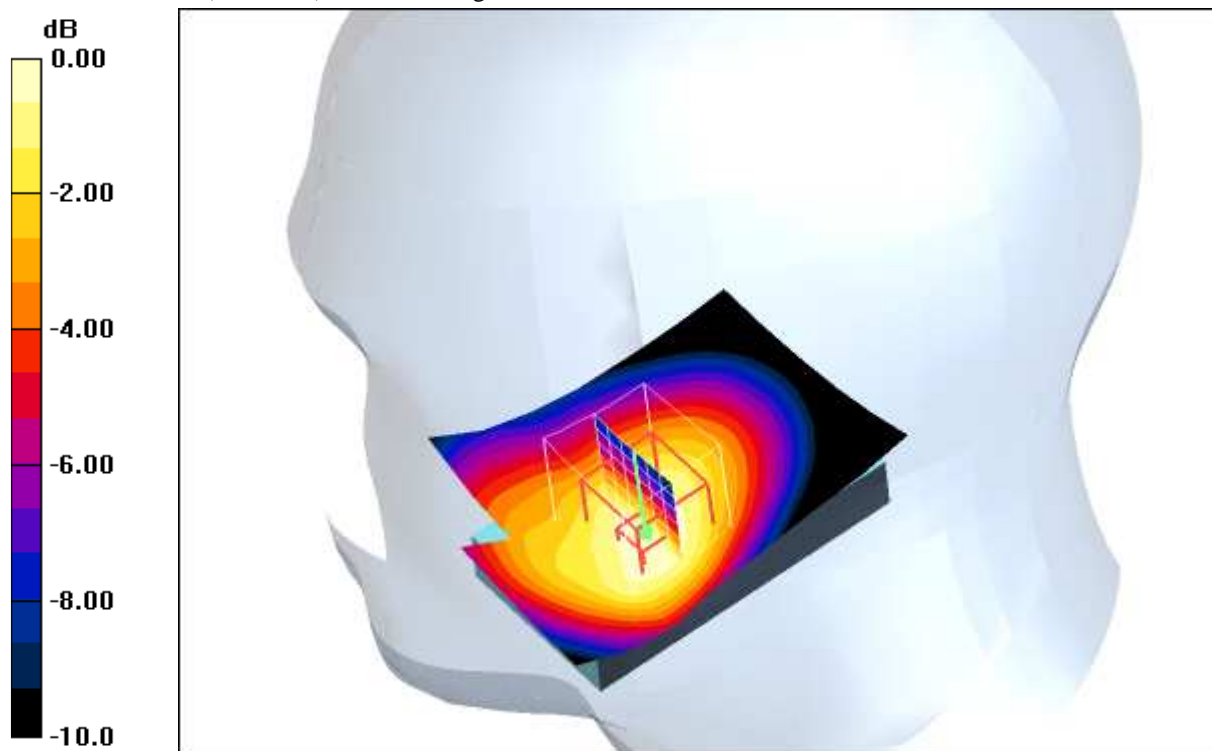
0 dB = 0.885mW/g

Additional information:
position or distance of DUT to SAM (if not standard head positions) :
ambient temperature: 22.4°C; liquid temperature: 21.6°C

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Date/Time: 2009-06-08 09:35:28Date/Time: 2009-06-08 09:40:54

IEEE1528_OET65-RightHandSide-PCS850

DUT: Sony Ericsson; Type: AAD-3880040-BV; Serial: BX900MF7NH

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

Medium: HSL850 Medium parameters used: f = 848.8 MHz; σ = 0.89 mho/m; $ε_r$ = 42.2; ρ = 1000 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: 2009-01-08
- 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=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.04 mW/g

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

Reference Value = 35.6 V/m; Power Drift = -0.096 dB

Peak SAR (extrapolated) = 1.53 W/kg

SAR(1 g) = 0.975 mW/g; SAR(10 g) = 0.648 mW/g

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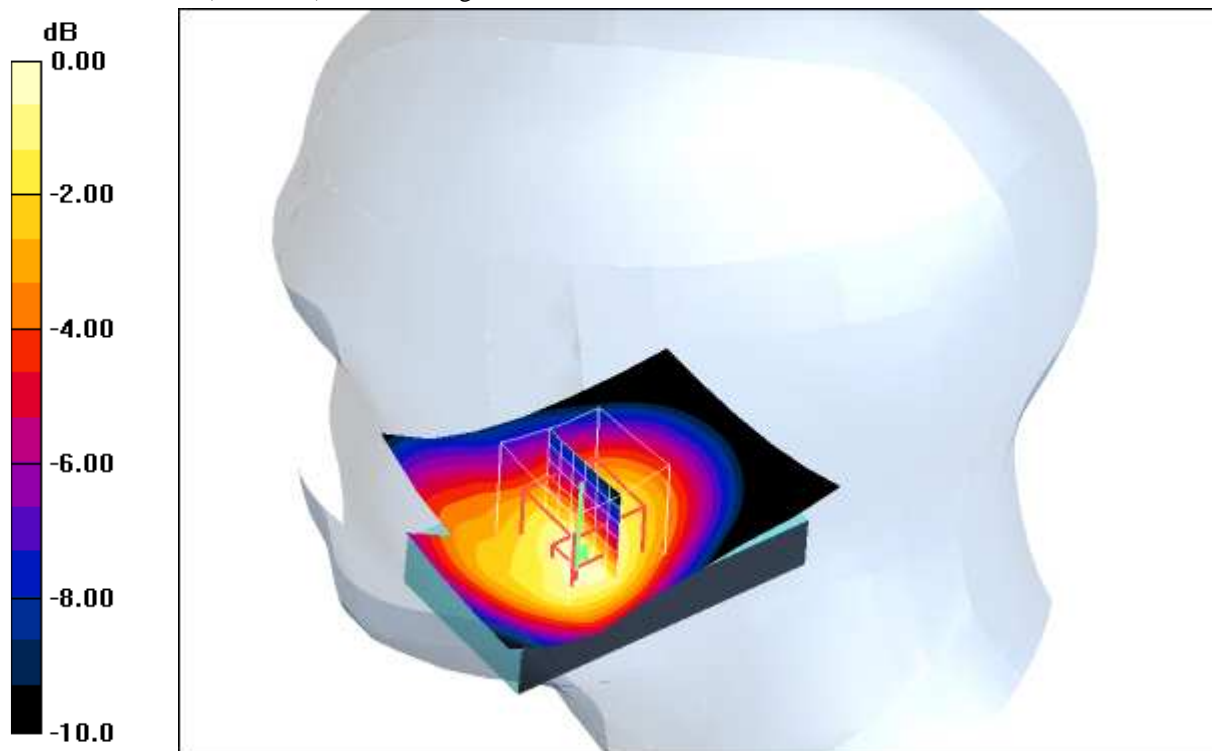
0 dB = 1.07mW/g

Additional information:

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

ambient temperature: 22.4°C; liquid temperature: 21.6°C

Date/Time: 2009-06-08 11:07:41Date/Time: 2009-06-08 11:13:43Date/Time: 2009-06-08 11:24:57

IEEE1528_OET65-RightHandSide-PCS850

DUT: Sony Ericsson; Type: AAD-3880040-BV; Serial: BX900MF7NH
Communication System: PCS 850; Frequency: 824.2 MHz; Duty Cycle: 1:8
Medium: HSL850 Medium parameters used: f = 824.2 MHz; σ = 0.89 mho/m; ε_r = 42.2; ρ = 1000 kg/m³
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: 2009-01-08
- 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=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.309 mW/g

## Tilt position - Low/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 19.0 V/m; Power Drift = -0.117 dB
Peak SAR (extrapolated) = 0.380 W/kg
SAR(1 g) = 0.295 mW/g; SAR(10 g) = 0.215 mW/g
Maximum value of SAR (measured) = 0.312 mW/g

Tilt position - Low/Zoom Scan (7x7x7) (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 19.0 V/m; Power Drift = -0.117 dB
Peak SAR (extrapolated) = 0.339 W/kg
SAR(1 g) = 0.239 mW/g; SAR(10 g) = 0.155 mW/g
Maximum value of SAR (measured) = 0.270 mW/g

0 dB = 0.270mW/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

Date/Time: 2009-06-08 11:38:15Date/Time: 2009-06-08 11:44:16Date/Time: 2009-06-08 11:55:38

IEEE1528_OET65-RightHandSide-PCS850

DUT: Sony Ericsson; Type: AAD-3880040-BV; Serial: BX900MF7NH

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

Medium: HSL850 Medium parameters used: f = 836.6 MHz; σ = 0.89 mho/m; ε_r = 42.2; ρ = 1000 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: 2009-01-08
- 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=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.354 mW/g

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

Reference Value = 20.1 V/m; Power Drift = -0.085 dB

Peak SAR (extrapolated) = 0.429 W/kg

SAR(1 g) = 0.330 mW/g; SAR(10 g) = 0.239 mW/g

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

Tilt position - Middle/Zoom Scan (7x7x7) (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 20.1 V/m; Power Drift = -0.085 dB

Peak SAR (extrapolated) = 0.392 W/kg

SAR(1 g) = 0.283 mW/g; SAR(10 g) = 0.180 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: 22.8°C; liquid temperature: 21.7°C

Date/Time: 2009-06-08 12:09:21Date/Time: 2009-06-08 12:15:27Date/Time: 2009-06-08 12:26:51

IEEE1528_OET65-RightHandSide-PCS850

DUT: Sony Ericsson; Type: AAD-3880040-BV; Serial: BX900MF7NH

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

Medium: HSL850 Medium parameters used: f = 848.8 MHz; σ = 0.89 mho/m; ε_r = 42.2; ρ = 1000 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: 2009-01-08
- 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=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.404 mW/g

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

Reference Value = 21.7 V/m; Power Drift = -0.100 dB

Peak SAR (extrapolated) = 0.494 W/kg

SAR(1 g) = 0.379 mW/g; SAR(10 g) = 0.274 mW/g
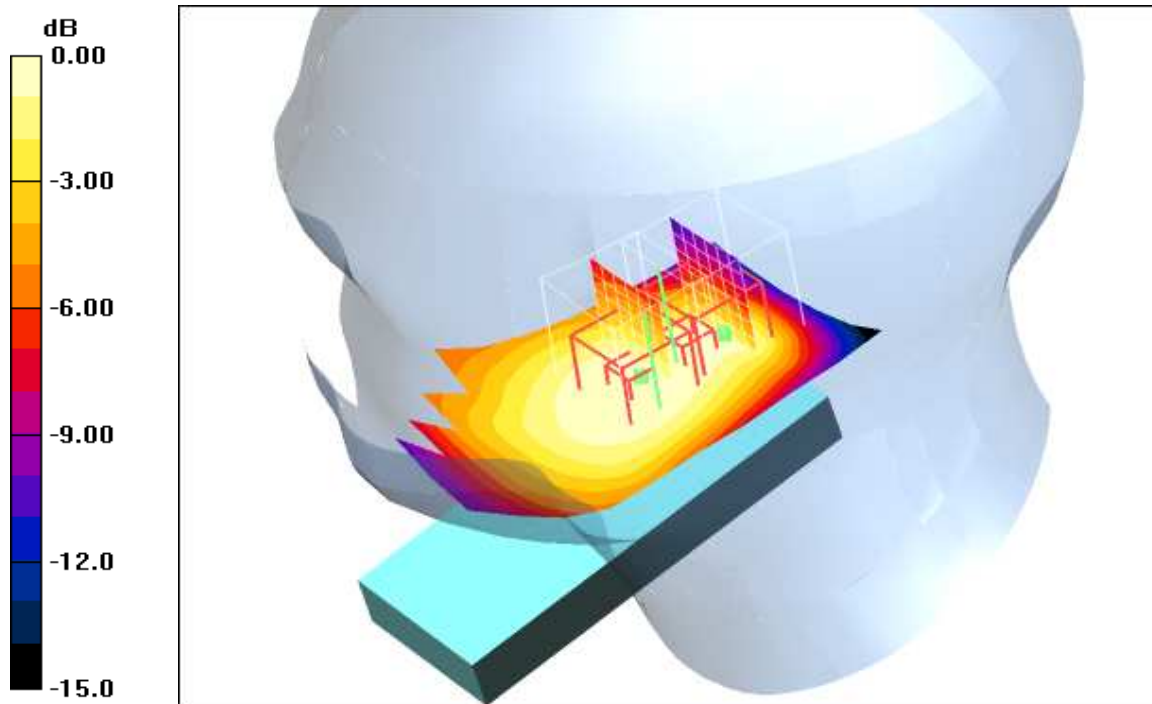
Maximum value of SAR (measured) = 0.401 mW/g

Tilt position - High/Zoom Scan (7x7x7) (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 21.7 V/m; Power Drift = -0.100 dB

Peak SAR (extrapolated) = 0.465 W/kg

SAR(1 g) = 0.330 mW/g; SAR(10 g) = 0.216 mW/g

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

0 dB = 0.380mW/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

Date/Time: 2009-06-08 10:38:15Date/Time: 2009-06-08 10:44:22

IEEE1528_OET65-RightHandSide-PCS850 open

DUT: Sony Ericsson; Type: AAD-3880040-BV; Serial: BX900MF7NH

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

Medium: HSL850 Medium parameters used: f = 824.2 MHz; σ = 0.89 mho/m; ε_r = 42.2; ρ = 1000 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: 2009-01-08
- 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=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.561 mW/g

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

Reference Value = 25.7 V/m; Power Drift = 0.015 dB

Peak SAR (extrapolated) = 0.694 W/kg

SAR(1 g) = 0.518 mW/g; SAR(10 g) = 0.371 mW/g
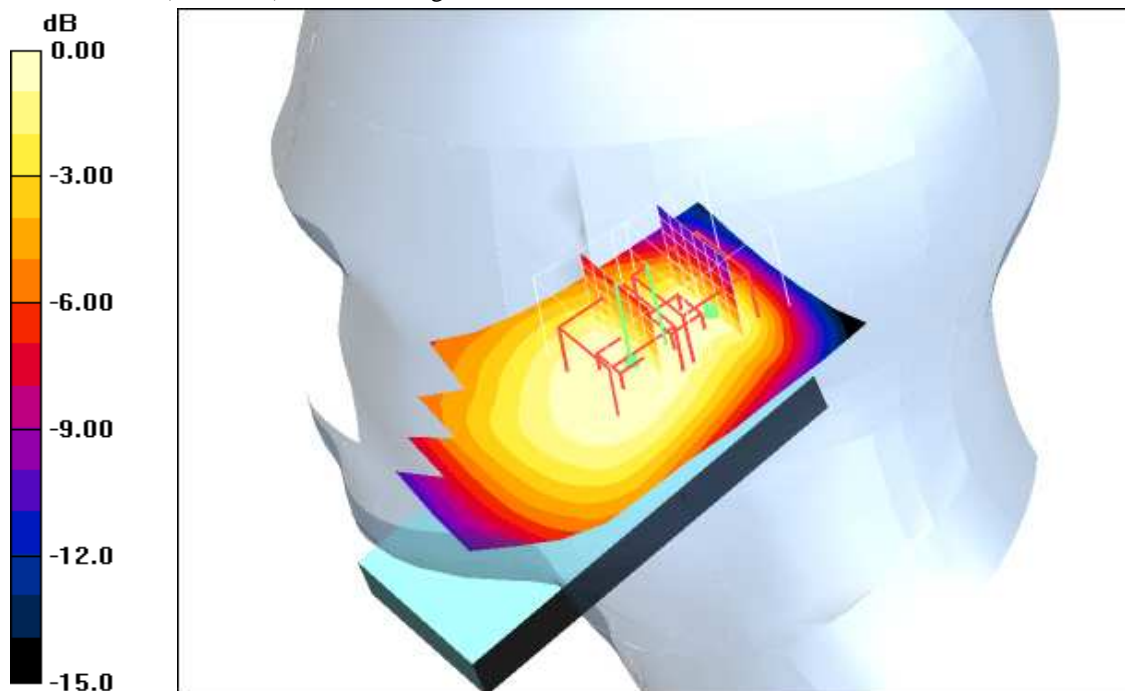
Maximum value of SAR (measured) = 0.549 mW/g
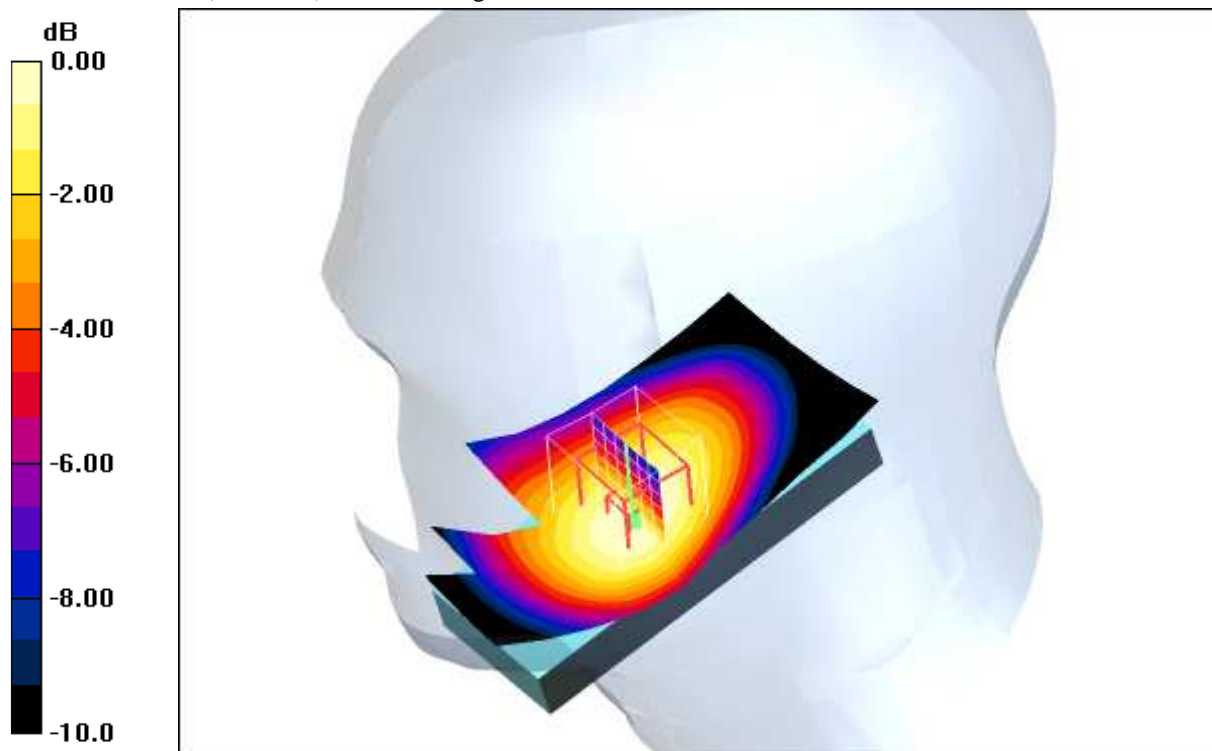
0 dB = 0.549mW/g

Additional information:

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

ambient temperature: 22.5°C; liquid temperature: 21.6°C

Date/Time: 2009-06-08 10:17:19Date/Time: 2009-06-08 10:23:24

IEEE1528_OET65-RightHandSide-PCS850 open

DUT: Sony Ericsson; Type: AAD-3880040-BV; Serial: BX900MF7NH

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

Medium: HSL850 Medium parameters used: f = 836.6 MHz; σ = 0.89 mho/m; ϵ_r = 42.2; ρ = 1000 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: 2009-01-08

- 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=15mm, dy=15mm

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

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

Reference Value = 28.2 V/m; Power Drift = -0.036 dB

Peak SAR (extrapolated) = 0.852 W/kg

SAR(1 g) = 0.630 mW/g; SAR(10 g) = 0.449 mW/g

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

0 dB = 0.673mW/g

Additional information:

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

ambient temperature: 22.5°C; liquid temperature: 21.6°C

Date/Time: 2009-06-08 09:56:10Date/Time: 2009-06-08 10:02:12

IEEE1528_OET65-RightHandSide-PCS850 open

DUT: Sony Ericsson; Type: AAD-3880040-BV; Serial: BX900MF7NH

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

Medium: HSL850 Medium parameters used: f = 848.8 MHz; σ = 0.89 mho/m; ε_r = 42.2; ρ = 1000 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: 2009-01-08
- 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=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.793 mW/g

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

Reference Value = 30.5 V/m; Power Drift = -0.044 dB

Peak SAR (extrapolated) = 0.979 W/kg

SAR(1 g) = 0.734 mW/g; SAR(10 g) = 0.524 mW/g

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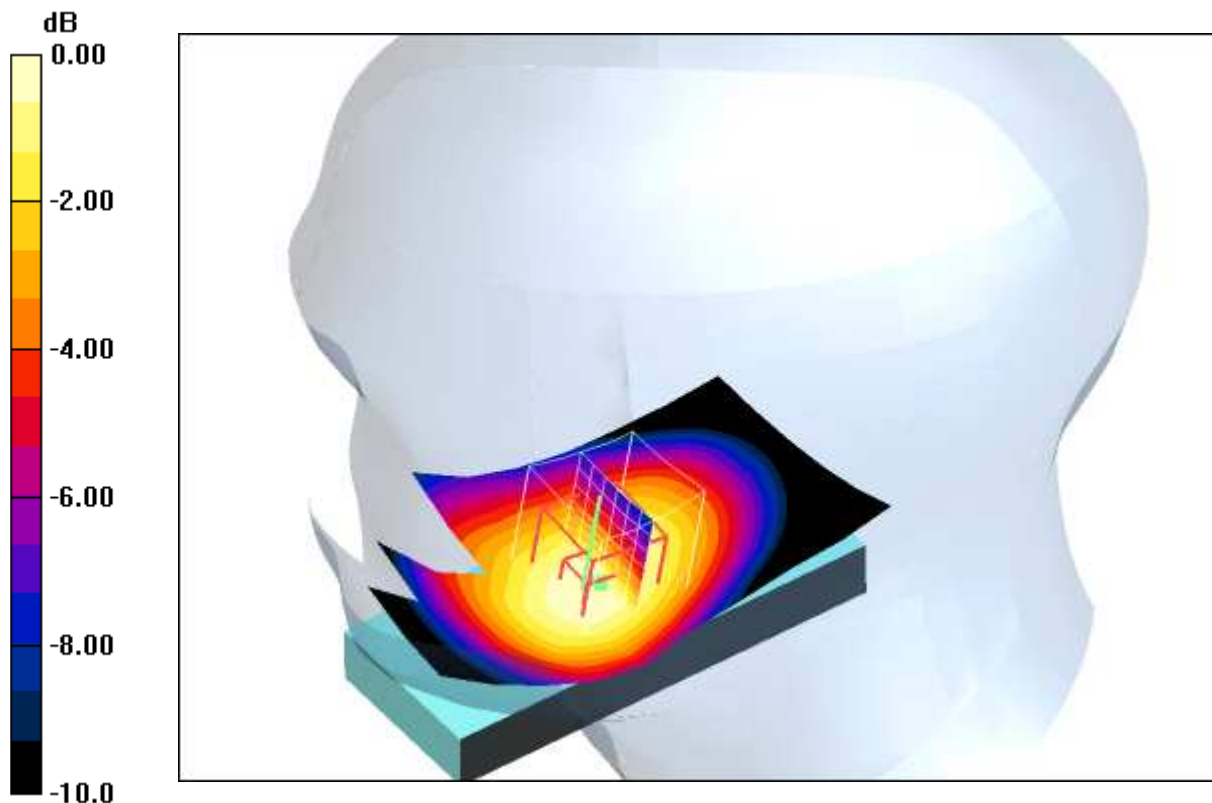
0 dB = 0.783mW/g

Additional information:

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

ambient temperature: 22.5°C; liquid temperature: 21.6°C

Date/Time: 2009-06-08 13:45:46Date/Time: 2009-06-08 13:52:13Date/Time: 2009-06-08 14:03:36

IEEE1528_OET65-RightHandSide-PCS850 open

DUT: Sony Ericsson; Type: AAD-3880040-BV; Serial: BX900MF7NH

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

Medium: HSL850 Medium parameters used: f = 824.2 MHz; σ = 0.89 mho/m; ε_r = 42.2; ρ = 1000 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: 2009-01-08
- 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=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.233 mW/g

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

Reference Value = 16.8 V/m; Power Drift = 0.113 dB

Peak SAR (extrapolated) = 0.327 W/kg

SAR(1 g) = 0.247 mW/g; SAR(10 g) = 0.172 mW/g

Maximum value of SAR (measured) = 0.264 mW/g

Tilt position - Low/Zoom Scan (7x7x7) (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 16.8 V/m; Power Drift = 0.113 dB

Peak SAR (extrapolated) = 0.261 W/kg

SAR(1 g) = 0.176 mW/g; SAR(10 g) = 0.111 mW/g

Maximum value of SAR (measured) = 0.205 mW/g
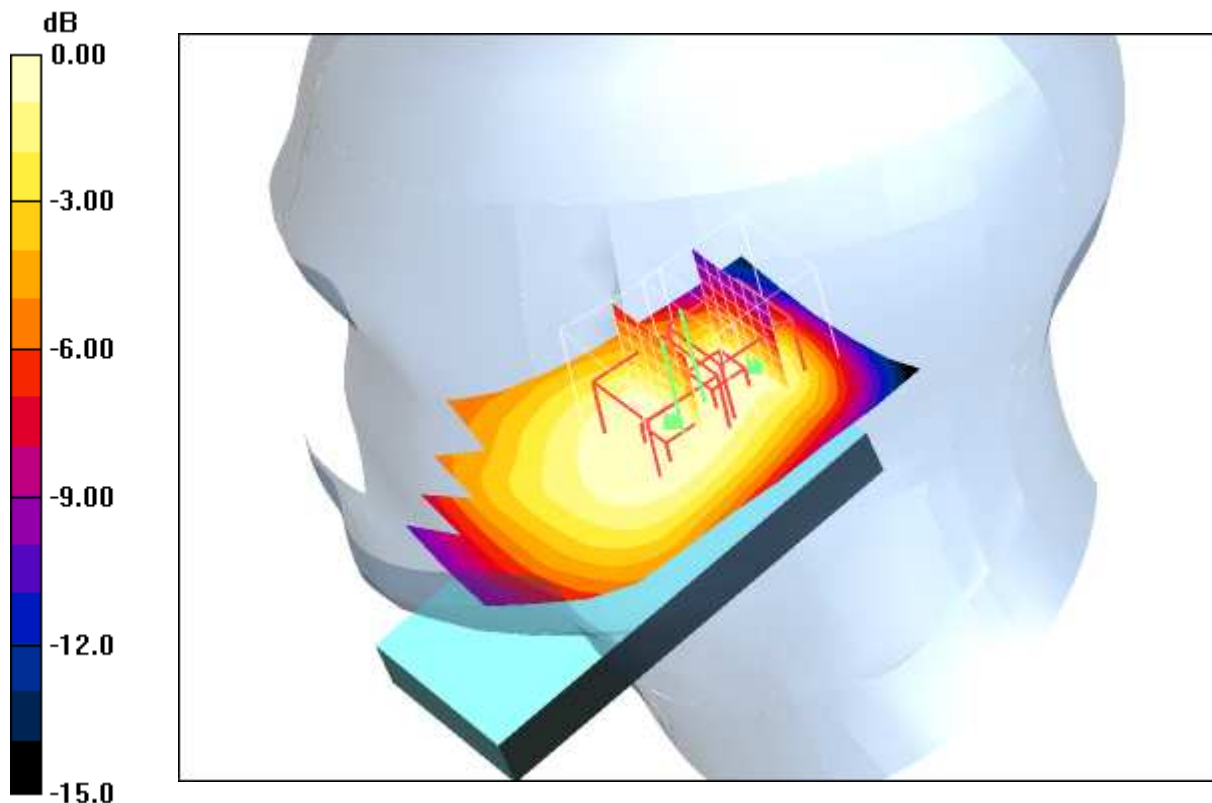
0 dB = 0.205mW/g

Additional information:

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

ambient temperature: 22.6°C; liquid temperature: 21.7°C

Date/Time: 2009-06-08 13:14:16Date/Time: 2009-06-08 13:20:38Date/Time: 2009-06-08 13:32:06

IEEE1528_OET65-RightHandSide-PCS850 open

DUT: Sony Ericsson; Type: AAD-3880040-BV; Serial: BX900MF7NH

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

Medium: HSL850 Medium parameters used: f = 836.6 MHz; σ = 0.89 mho/m; ε_r = 42.2; ρ = 1000 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: 2009-01-08
- 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=15mm, dy=15mm

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

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

Reference Value = 18.4 V/m; Power Drift = -0.113 dB

Peak SAR (extrapolated) = 0.357 W/kg

SAR(1 g) = 0.266 mW/g; SAR(10 g) = 0.197 mW/g

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

Tilt position - Middle/Zoom Scan (7x7x7) (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 18.4 V/m; Power Drift = -0.113 dB

Peak SAR (extrapolated) = 0.325 W/kg

SAR(1 g) = 0.215 mW/g; SAR(10 g) = 0.135 mW/g

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

0 dB = 0.250mW/g

Additional information:

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

ambient temperature: 22.7°C; liquid temperature: 21.7°C

IEEE1528_OET65-RightHandSide-PCS850 open

DUT: Sony Ericsson; Type: AAD-3880040-BV; Serial: BX900MF7NH
Communication System: PCS 850; Frequency: 848.8 MHz; Duty Cycle: 1:8
Medium: HSL850 Medium parameters used: f = 848.8 MHz; σ = 0.89 mho/m; ε_r = 42.2; ρ = 1000 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: 2009-01-08
- 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=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.321 mW/g

Tilt position - High/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 19.6 V/m; Power Drift = -0.018 dB
Peak SAR (extrapolated) = 0.391 W/kg
SAR(1 g) = 0.299 mW/g; SAR(10 g) = 0.217 mW/g
Maximum value of SAR (measured) = 0.316 mW/g

Tilt position - High/Zoom Scan (7x7x7) (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 19.6 V/m; Power Drift = -0.018 dB
Peak SAR (extrapolated) = 0.346 W/kg
SAR(1 g) = 0.241 mW/g; SAR(10 g) = 0.150 mW/g
Maximum value of SAR (measured) = 0.281 mW/g

0 dB = 0.281mW/g

Additional information:
position or distance of DUT to SAM (if not standard head positions) :
ambient temperature: 22.7°C; liquid temperature: 21.7°C

Annex 2.2   PCS 850 MHz body

Date/Time: 2009-06-10 12:57:16Date/Time: 2009-06-10 13:03:12

IEEE1528_OET65-Body-PCS850 GPRS 2TS
DUT: Sony Ericsson; Type: AAD-3880040-BV; Serial: BX900MF7NH
Communication System: PCS 850 GPRS 2TS; Frequency: 824.2 MHz; Duty Cycle: 1:4
Medium: M850 Medium parameters used: f = 824.2 MHz; σ = 0.97 mho/m; ε_r = 55; ρ = 1000 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: 2009-01-08
- 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=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.504 mW/g

Front position - Low/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 23.1 V/m; Power Drift = -0.178 dB
Peak SAR (extrapolated) = 0.637 W/kg
SAR(1 g) = 0.466 mW/g; SAR(10 g) = 0.334 mW/g
Maximum value of SAR (measured) = 0.495 mW/g
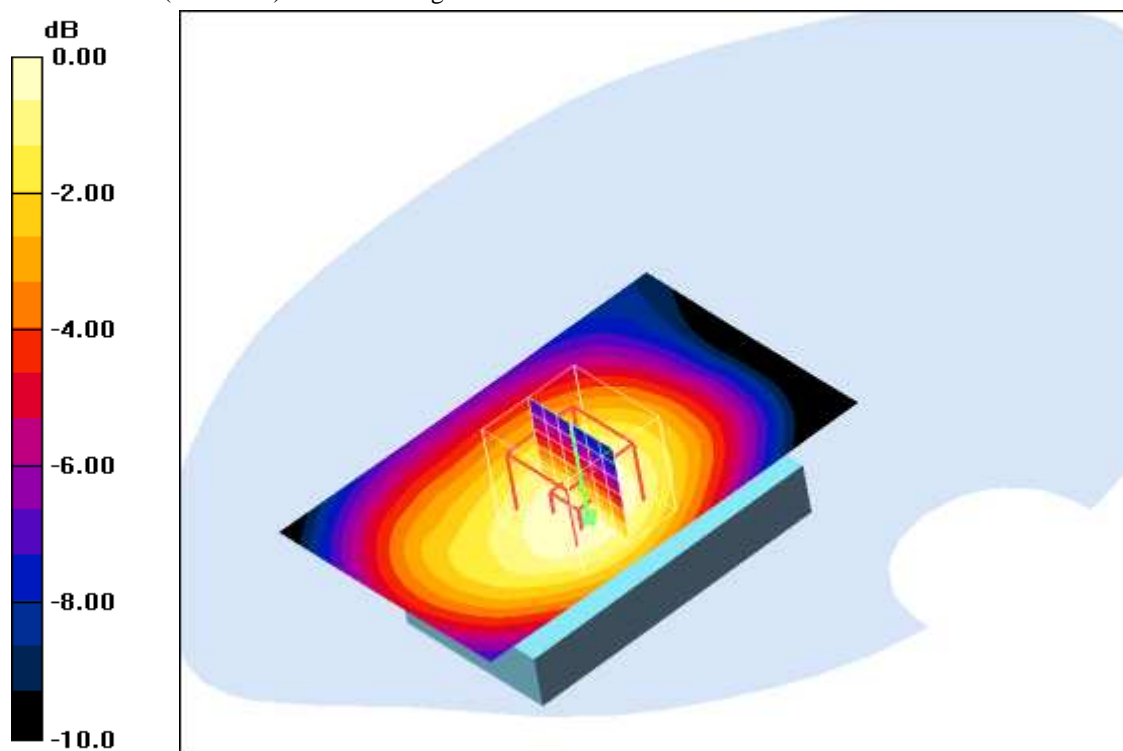
0 dB = 0.495mW/g

Additional information:
position or distance of DUT to SAM: 15 mm
ambient temperature: 23.7°C; liquid temperature: 22.8°C

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Date/Time: 2009-06-10 12:17:04Date/Time: 2009-06-10 12:22:58

IEEE1528_OET65-Body-PCS850 GPRS 2TS

DUT: Sony Ericsson; Type: AAD-3880040-BV; Serial: BX900MF7NH

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

Medium: M850 Medium parameters used: f = 836.6 MHz; σ = 0.97 mho/m; ε_r = 55; ρ = 1000 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: 2009-01-08
- 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=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.443 mW/g

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

Reference Value = 21.5 V/m; Power Drift = -0.193 dB

Peak SAR (extrapolated) = 0.547 W/kg

SAR(1 g) = 0.395 mW/g; SAR(10 g) = 0.278 mW/g

Maximum value of SAR (measured) = 0.422 mW/g
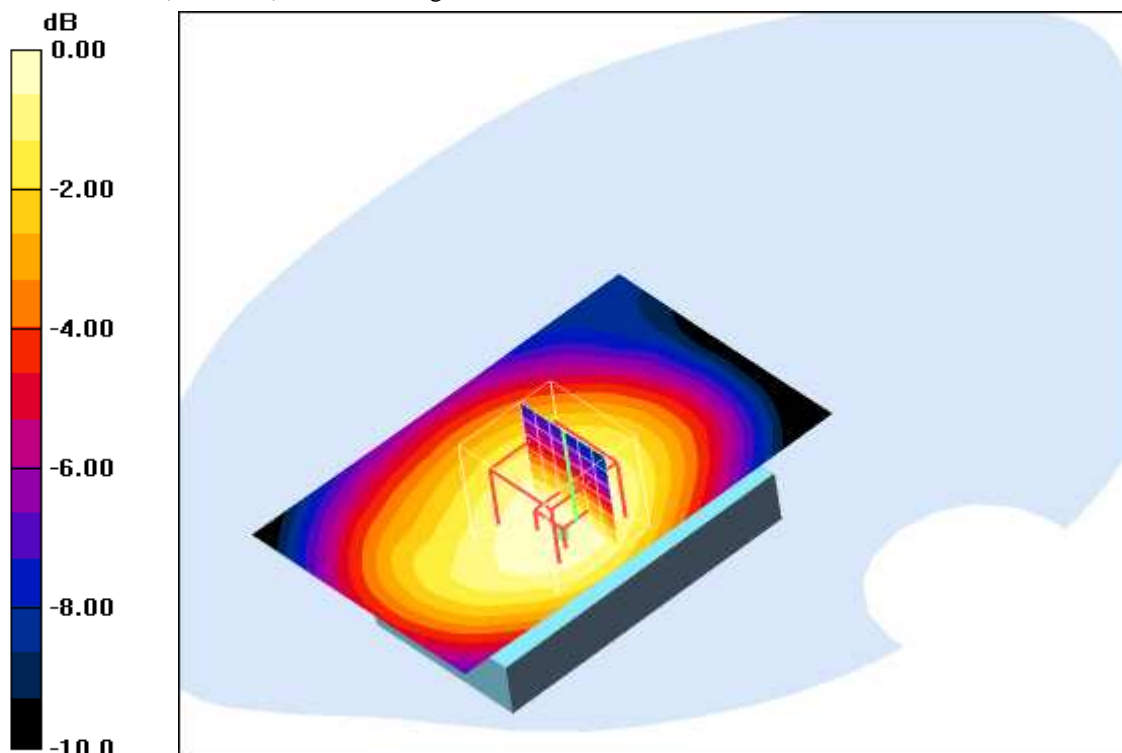
0 dB = 0.422mW/g

Additional information:

position or distance of DUT to SAM: 15 mm
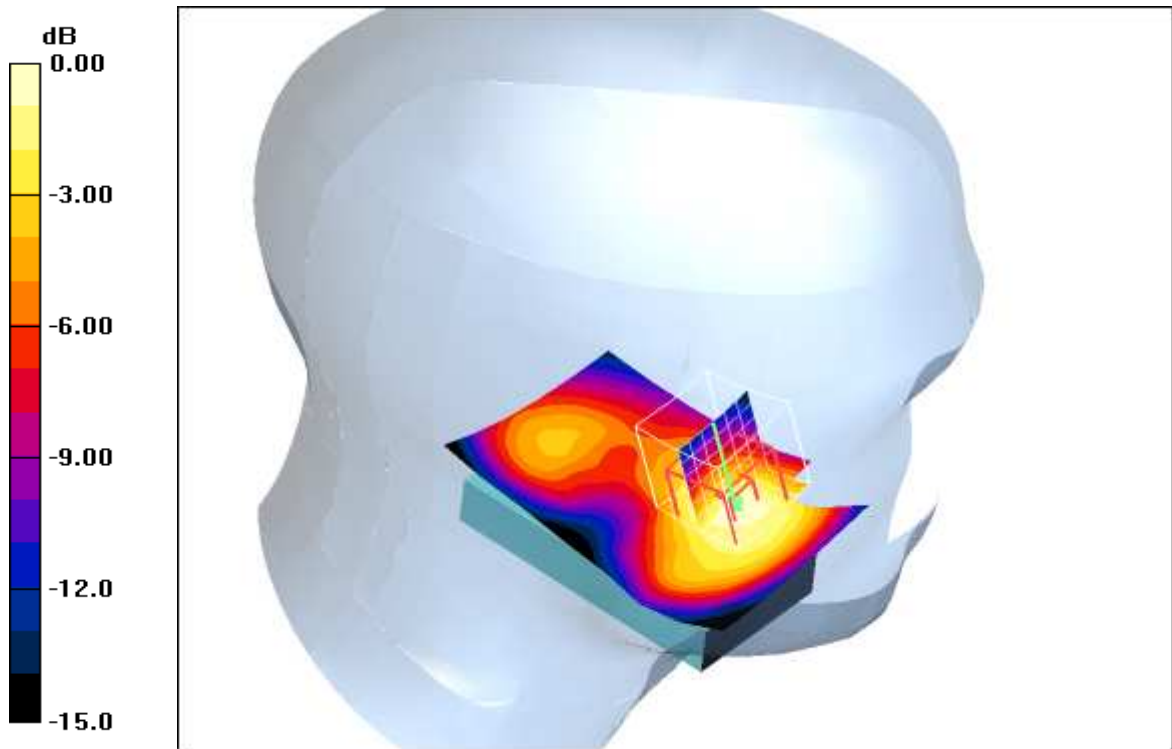
ambient temperature: 23.7°C; liquid temperature: 22.8°C

Date/Time: 2009-06-10 11:55:49Date/Time: 2009-06-10 12:01:45

IEEE1528_OET65-Body-PCS850 GPRS 2TS

DUT: Sony Ericsson; Type: AAD-3880040-BV; Serial: BX900MF7NH

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

Medium: M850 Medium parameters used: f = 848.8 MHz; σ = 0.97 mho/m; ε_r = 55; ρ = 1000 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: 2009-01-08
- 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=15mm, dy=15mm

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

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

Reference Value = 22.8 V/m; Power Drift = -0.037 dB

Peak SAR (extrapolated) = 0.624 W/kg

SAR(1 g) = 0.460 mW/g; SAR(10 g) = 0.327 mW/g

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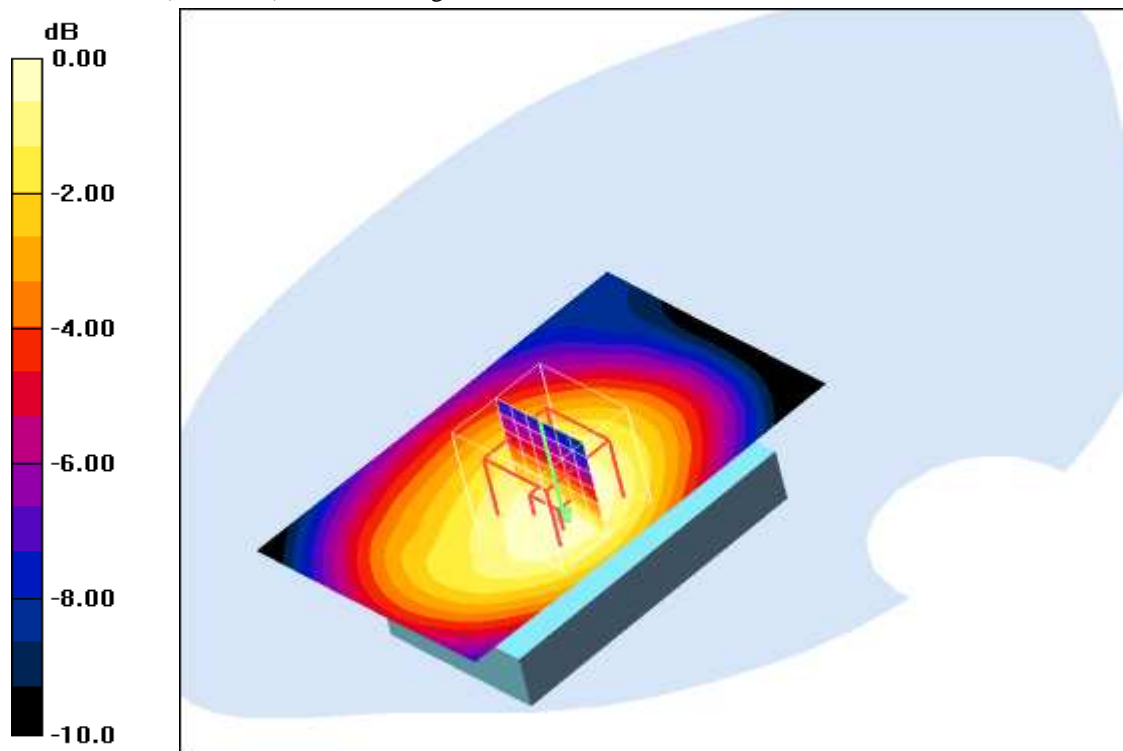
0 dB = 0.489mW/g

Additional information:

position or distance of DUT to SAM: 15 mm

ambient temperature: 23.7°C; liquid temperature: 22.8°C

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Date/Time: 2009-06-10 14:12:27Date/Time: 2009-06-10 14:18:51

IEEE1528_OET65-Body-PCS850 GPRS 2TS

DUT: Sony Ericsson; Type: AAD-3880040-BV; Serial: BX900MF7NH

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

Medium: M850 Medium parameters used: f = 824.2 MHz; σ = 0.97 mho/m; ε_r = 55; ρ = 1000 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: 2009-01-08
- 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=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.596 mW/g

Rear position - Low/Zoom Scan (7x7x7) (7x9x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 24.8 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.832 W/kg

SAR(1 g) = 0.542 mW/g; SAR(10 g) = 0.357 mW/g

Maximum value of SAR (measured) = 0.580 mW/g
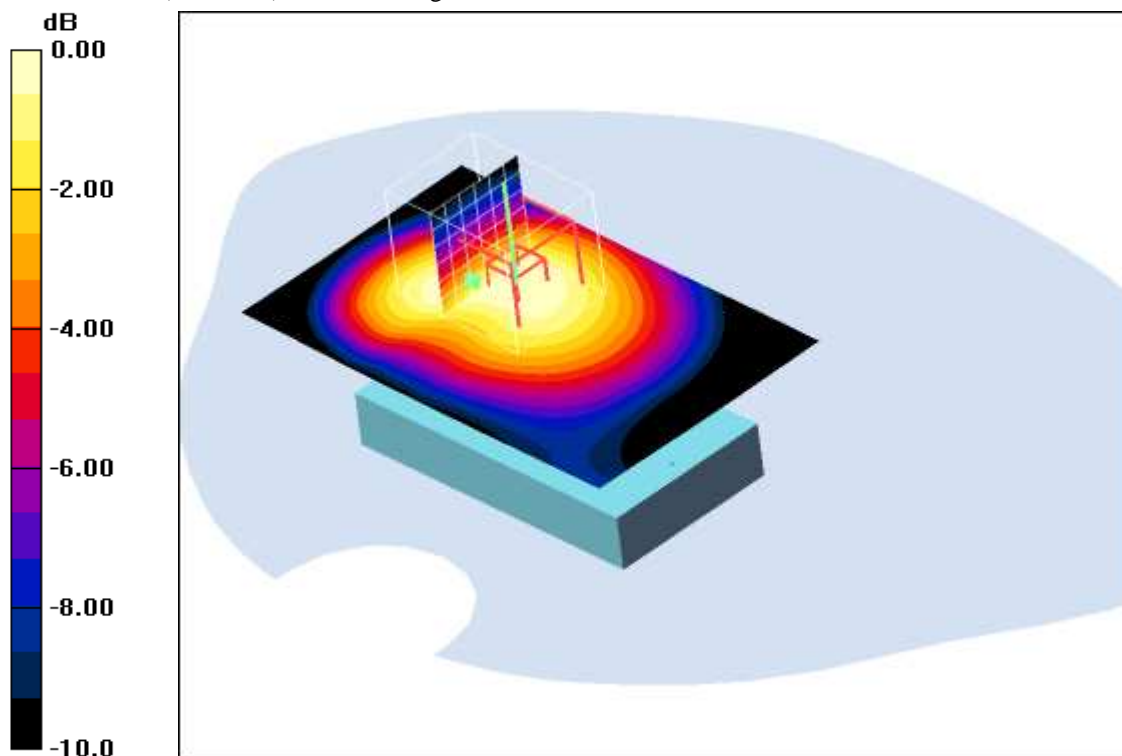
0 dB = 0.580mW/g

Additional information:

position or distance of DUT to SAM: 15 mm

ambient temperature: 23.7°C; liquid temperature: 22.8°C

Date/Time: 2009-06-10 13:47:17Date/Time: 2009-06-10 13:53:49

IEEE1528_OET65-Body-PCS850 GPRS 2TS

DUT: Sony Ericsson; Type: AAD-3880040-BV; Serial: BX900MF7NH

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

Medium: M850 Medium parameters used: f = 836.6 MHz; σ = 0.97 mho/m; ε_r = 55; ρ = 1000 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: 2009-01-08
- 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=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.799 mW/g

Rear position - Middle/Zoom Scan (7x7x7) (7x9x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 28.5 V/m; Power Drift = 0.089 dB

Peak SAR (extrapolated) = 1.13 W/kg

SAR(1 g) = 0.726 mW/g; SAR(10 g) = 0.478 mW/g

Maximum value of SAR (measured) = 0.777 mW/g
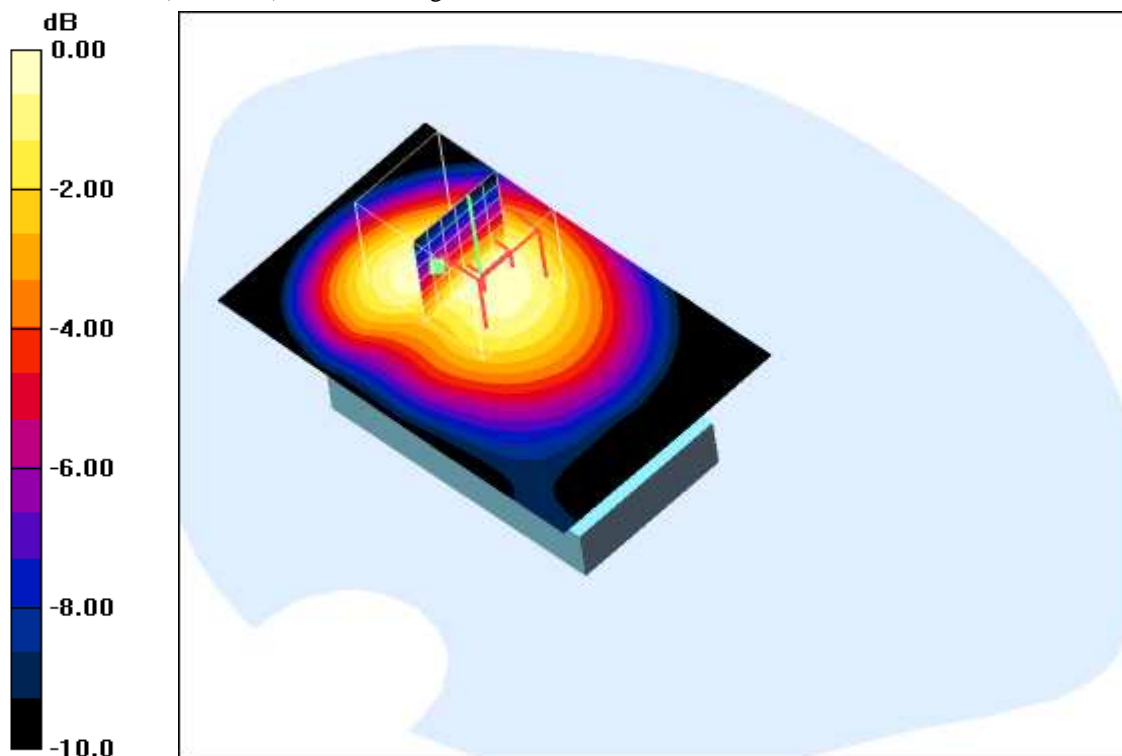
0 dB = 0.777mW/g

Additional information:

position or distance of DUT to SAM: 15 mm

ambient temperature: 23.7°C; liquid temperature: 22.8°C

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Date/Time: 2009-06-10 13:24:57Date/Time: 2009-06-10 14:37:57

IEEE1528_OET65-Body-PCS850 GPRS 2TS

DUT: Sony Ericsson; Type: AAD-3880040-BV; Serial: BX900MF7NH
Communication System: PCS 850 GPRS 2TS; Frequency: 848.8 MHz; Duty Cycle: 1:4
Medium: M850 Medium parameters used: f = 848.8 MHz; σ = 0.97 mho/m; ε_r = 55; ρ = 1000 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: 2009-01-08
- 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=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.968 mW/g

Rear position -High/Zoom Scan (7x7x7) (7x9x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 32.2 V/m; Power Drift = -0.141 dB
Peak SAR (extrapolated) = 1.31 W/kg
SAR(1 g) = 0.862 mW/g; SAR(10 g) = 0.569 mW/g
Maximum value of SAR (measured) = 0.928 mW/g
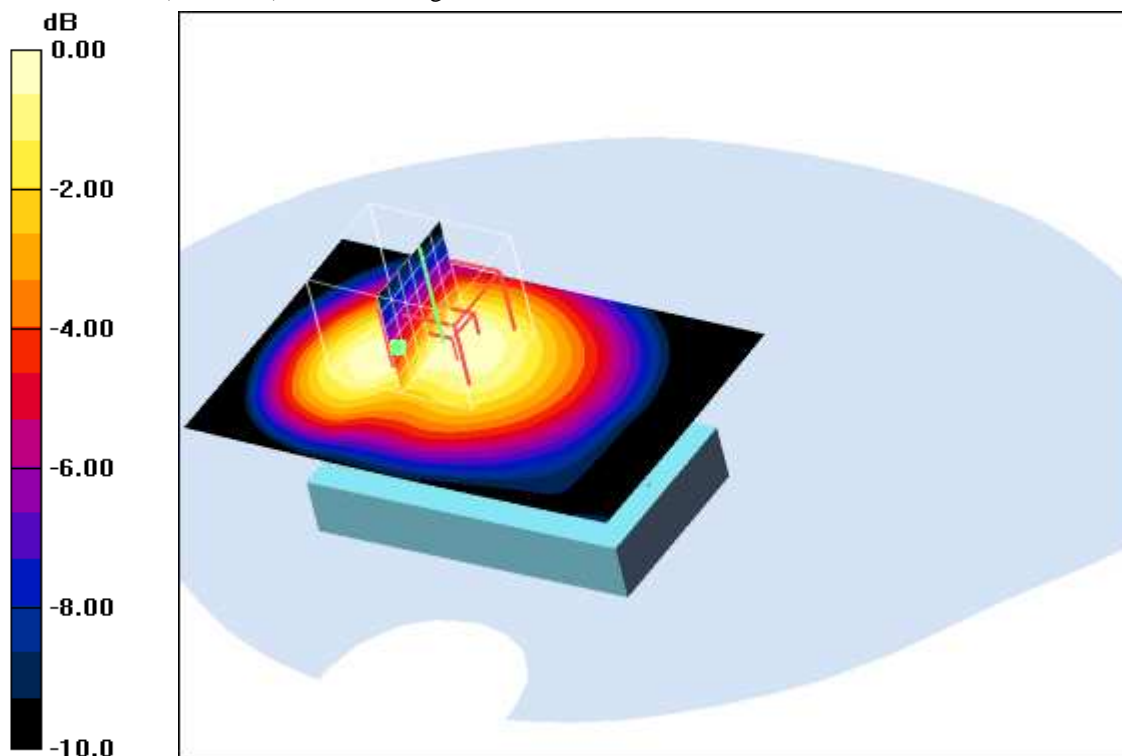
0 dB = 0.928mW/g

Additional information:
position or distance of DUT to SAM: 15 mm
ambient temperature: 23.7°C; liquid temperature: 22.8°C

Date/Time: 2009-06-10 14:57:38Date/Time: 2009-06-10 15:23:07

IEEE1528_OET65-Body-PCS850 GPRS 1TS

DUT: Sony Ericsson; Type: AAD-3880040-BV; Serial: BX900MF7NH

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

Medium: M850 Medium parameters used: f = 848.8 MHz; σ = 0.97 mho/m; ε_r = 55; ρ = 1000 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: 2009-01-08
- 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=15mm, dy=15mm

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

Rear position -High/Zoom Scan (7x7x7) (7x9x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 25.2 V/m; Power Drift = -0.036 dB

Peak SAR (extrapolated) = 0.835 W/kg

SAR(1 g) = 0.532 mW/g; SAR(10 g) = 0.347 mW/g

Maximum value of SAR (measured) = 0.572 mW/g
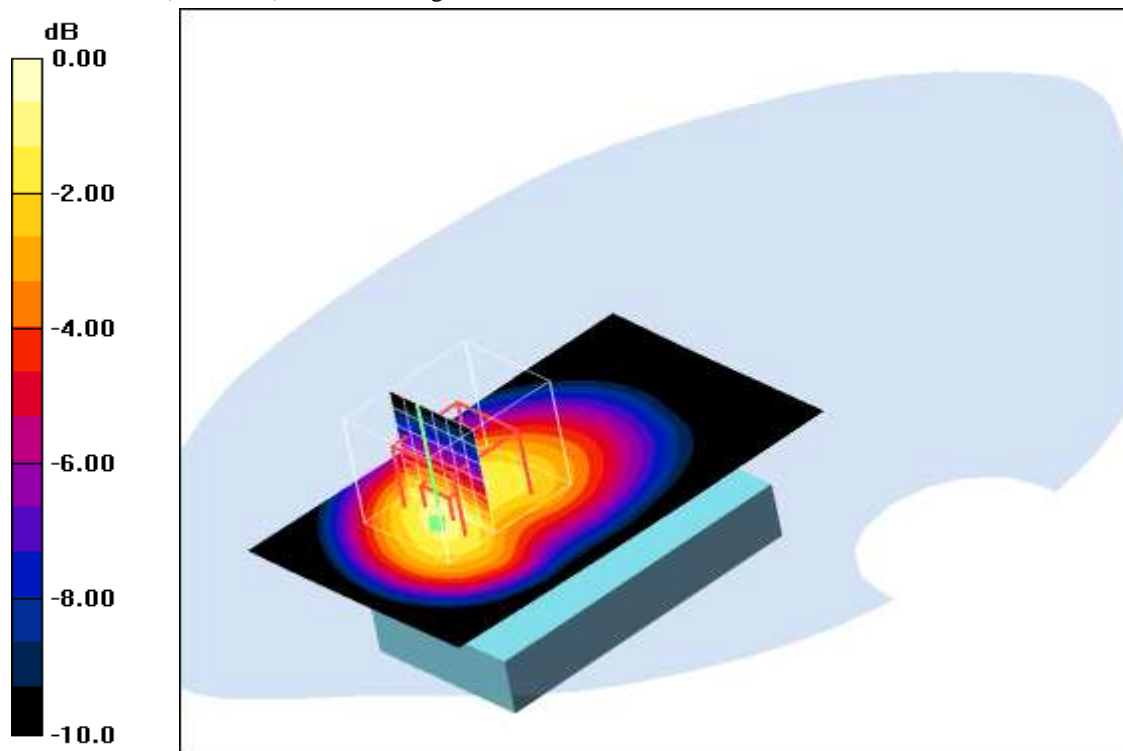
0 dB = 0.572mW/g

Additional information:

position or distance of DUT to SAM: 15 mm

ambient temperature: 23.7°C; liquid temperature: 22.8°C

Annex 2.3   PCS 1900 MHz head

Date/Time: 2009-06-02 09:44:46Date/Time: 2009-06-02 09:50:08

IEEE1528_OET65-LeftHandSide-GSM1900

DUT: Sony Ericsson; Type: AAD-3880040-BV; Serial: BX900MF7NH

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

Medium: HSL1900 Medium parameters used: f = 1850.2 MHz; σ = 1.39 mho/m; ε_r = 39.4; ρ = 1000 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: 2009-01-08
- 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) = 0.451 mW/g

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

Reference Value = 17.0 V/m; Power Drift = -0.041 dB

Peak SAR (extrapolated) = 0.701 W/kg

SAR(1 g) = 0.434 mW/g; SAR(10 g) = 0.253 mW/g

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

0 dB = 0.478mW/g

Additional information:

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

ambient temperature: 23.3°C; liquid temperature: 21.8°C

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Date/Time: 2009-06-02 10:05:02Date/Time: 2009-06-02 10:10:24

IEEE1528_OET65-LeftHandSide-GSM1900

DUT: Sony Ericsson; Type: AAD-3880040-BV; Serial: BX900MF7NH

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

Medium: HSL1900 Medium parameters used: f = 1880 MHz; σ = 1.39 mho/m; ε_r = 39.4; ρ = 1000 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: 2009-01-08
- 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=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.537 mW/g

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

Reference Value = 19.1 V/m; Power Drift = -0.023 dB

Peak SAR (extrapolated) = 0.828 W/kg

SAR(1 g) = 0.513 mW/g; SAR(10 g) = 0.304 mW/g

Maximum value of SAR (measured) = 0.560 mW/g
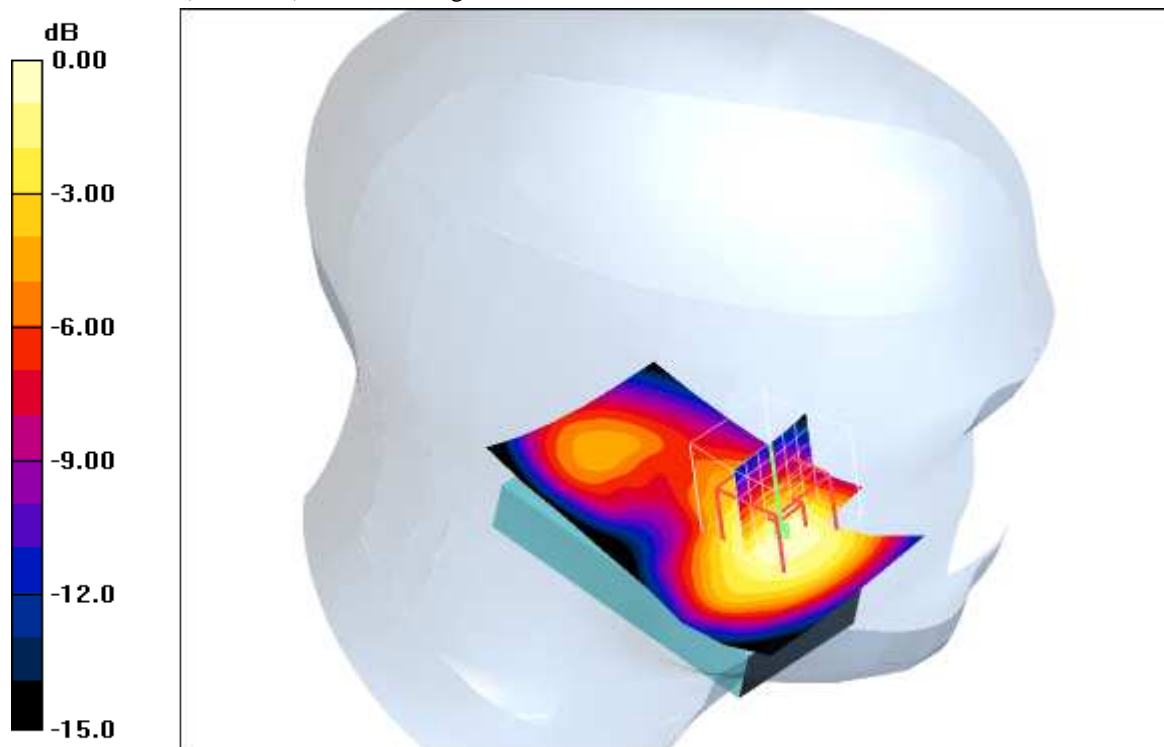
0 dB = 0.560mW/g

Additional information:

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

ambient temperature: 23.3°C; liquid temperature: 21.8°C

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Date/Time: 2009-06-02 10:26:08Date/Time: 2009-06-02 10:31:37

IEEE1528_OET65-LeftHandSide-GSM1900

DUT: Sony Ericsson; Type: AAD-3880040-BV; Serial: BX900MF7NH

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

Medium: HSL1900 Medium parameters used: f = 1909.8 MHz; σ = 1.39 mho/m; ε_r = 39.4; ρ = 1000 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: 2009-01-08
- 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=15mm, dy=15mm

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

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

Reference Value = 21.8 V/m; Power Drift = -0.063 dB

Peak SAR (extrapolated) = 1.07 W/kg

SAR(1 g) = 0.651 mW/g; SAR(10 g) = 0.387 mW/g

Maximum value of SAR (measured) = 0.709 mW/g
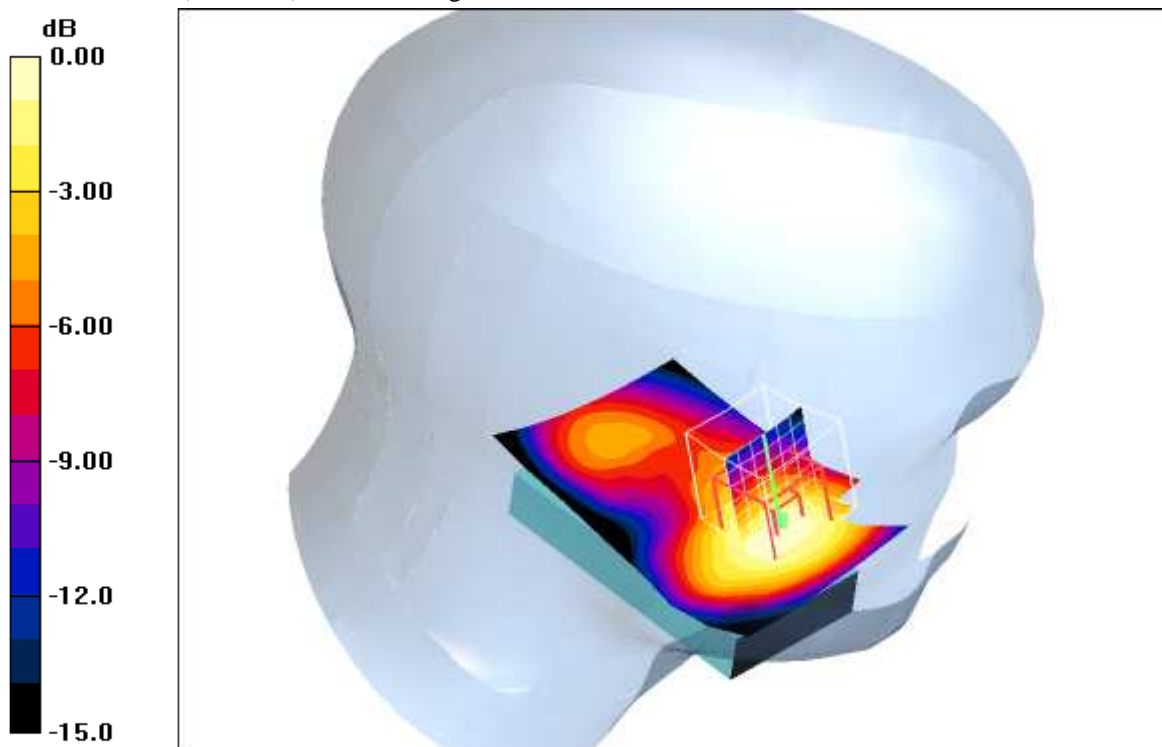
0 dB = 0.709mW/g

Additional information:

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

ambient temperature: 23.3°C; liquid temperature: 21.8°C

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Date/Time: 2009-06-02 11:28:22Date/Time: 2009-06-02 11:34:28

IEEE1528_OET65-LeftHandSide-GSM1900

DUT: Sony Ericsson; Type: AAD-3880040-BV; Serial: BX900MF7NH

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

Medium: HSL1900 Medium parameters used: f = 1850.2 MHz; σ = 1.39 mho/m; ε_r = 39.4; ρ = 1000 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: 2009-01-08
- 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=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.231 mW/g

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

Reference Value = 12.1 V/m; Power Drift = 0.045 dB

Peak SAR (extrapolated) = 0.321 W/kg

SAR(1 g) = 0.209 mW/g; SAR(10 g) = 0.123 mW/g

Maximum value of SAR (measured) = 0.231 mW/g

0 dB = 0.231mW/g

Additional information:

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

ambient temperature: 23.2°C; liquid temperature: 21.7°C

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IEEE1528_OET65-LeftHandSide-GSM1900

DUT: Sony Ericsson; Type: AAD-3880040-BV; Serial: BX900MF7NH
Communication System: PCS 1900; Frequency: 1880 MHz; Duty Cycle: 1:8
Medium: HSL1900 Medium parameters used: f = 1880 MHz; σ = 1.39 mho/m; ε_r = 39.4; ρ = 1000 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: 2009-01-08
- 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=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.258 mW/g

Tilt position - Middle/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 12.8 V/m; Power Drift = -0.032 dB
Peak SAR (extrapolated) = 0.357 W/kg
SAR(1 g) = 0.233 mW/g; SAR(10 g) = 0.137 mW/g
Maximum value of SAR (measured) = 0.256 mW/g

0 dB = 0.256mW/g

Additional information:
position or distance of DUT to SAM (if not standard head positions) :
ambient temperature: 23.2°C; liquid temperature: 21.7°C

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IEEE1528_OET65-LeftHandSide-GSM1900

DUT: Sony Ericsson; Type: AAD-3880040-BV; Serial: BX900MF7NH
Communication System: PCS 1900; Frequency: 1909.8 MHz; Duty Cycle: 1:8
Medium: HSL1900 Medium parameters used: f = 1909.8 MHz; σ = 1.39 mho/m; ε_r = 39.4; ρ = 1000 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: 2009-01-08
- 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=15mm, dy=15mm
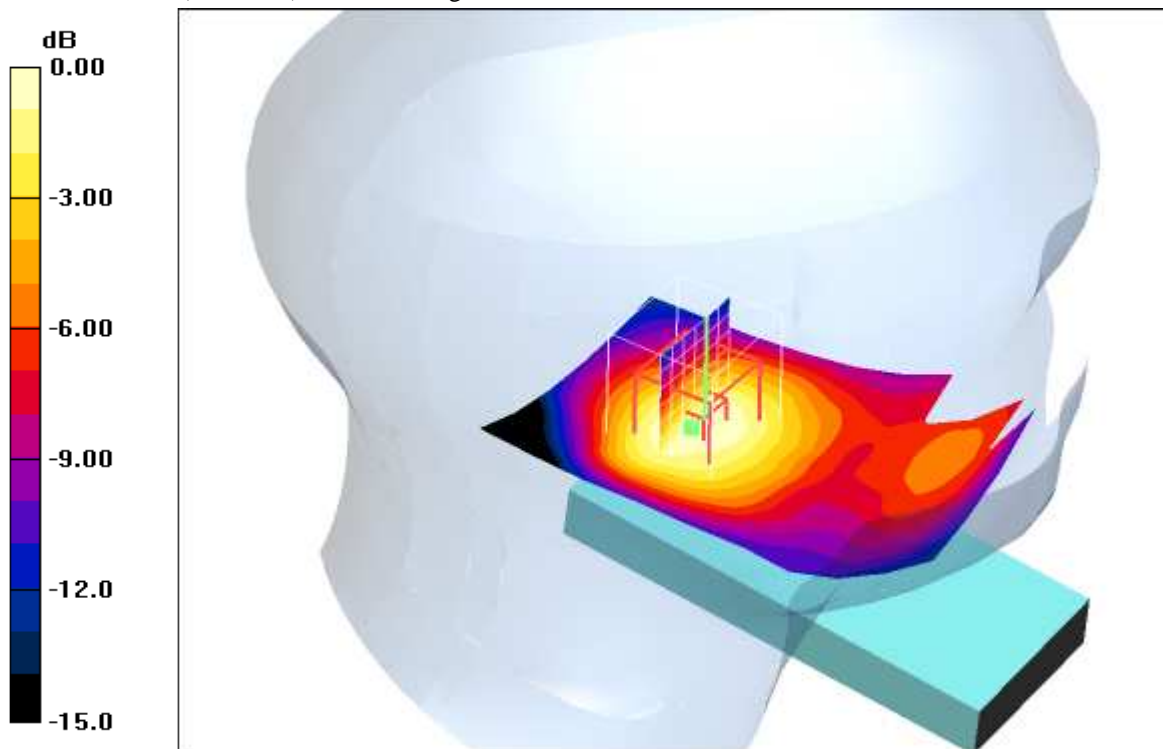Maximum value of SAR (interpolated) = 0.326 mW/g

Tilt position - High/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 14.3 V/m; Power Drift = 0.024 dB
Peak SAR (extrapolated) = 0.451 W/kg
SAR(1 g) = 0.291 mW/g; SAR(10 g) = 0.171 mW/g
Maximum value of SAR (measured) = 0.319 mW/g
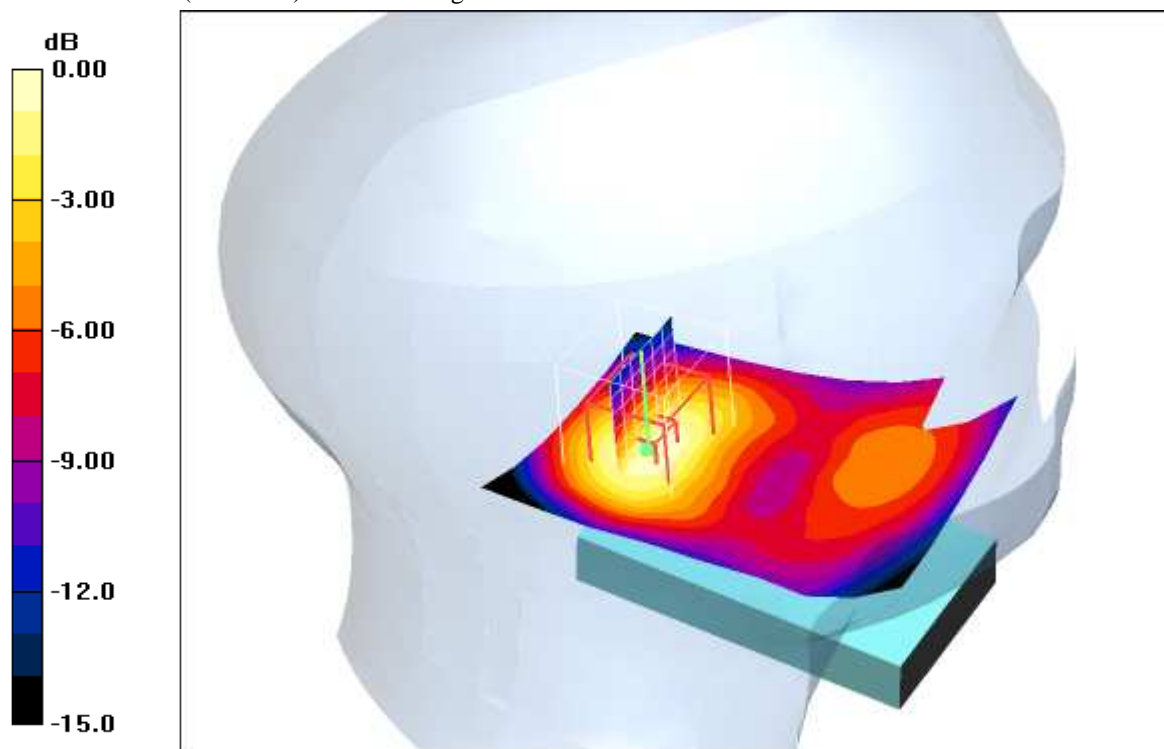
0 dB = 0.319mW/g

Additional information:
position or distance of DUT to SAM (if not standard head positions) :
ambient temperature: 23.2°C; liquid temperature: 21.7°C

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Date/Time: 2009-06-02 13:42:27Date/Time: 2009-06-02 13:50:11

IEEE1528_OET65-LeftHandSide-GSM1900-open

DUT: Sony Ericsson; Type: AAD-3880040-BV; Serial: BX900MF7NH

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

Medium: HSL1900 Medium parameters used: f = 1850.2 MHz; σ = 1.39 mho/m; ε_r = 39.4; ρ = 1000 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: 2009-01-08
- 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=15mm, dy=15mm

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

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

Reference Value = 13.6 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.362 W/kg

SAR(1 g) = 0.238 mW/g; SAR(10 g) = 0.152 mW/g

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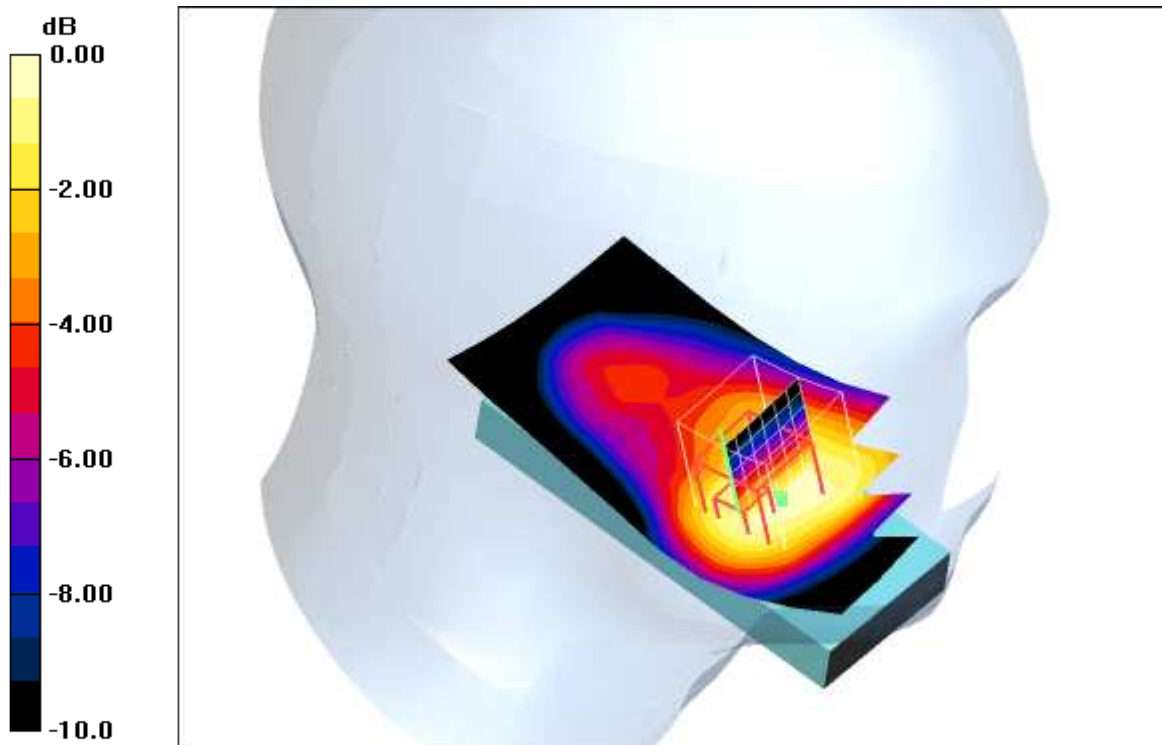
0 dB = 0.261mW/g

Additional information:

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

ambient temperature: 23.2°C; liquid temperature: 21.7°C

Date/Time: 2009-06-02 13:16:25Date/Time: 2009-06-02 13:22:52

IEEE1528_OET65-LeftHandSide-GSM1900-open

DUT: Sony Ericsson; Type: AAD-3880040-BV; Serial: BX900MF7NH
Communication System: PCS 1900; Frequency: 1880 MHz; Duty Cycle: 1:8
Medium: HSL1900 Medium parameters used: f = 1880 MHz; σ = 1.39 mho/m; ε_r = 39.4; ρ = 1000 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: 2009-01-08
- 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=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.292 mW/g

## Touch position - Middle/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 14.7 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 0.404 W/kg
SAR(1 g) = 0.266 mW/g; SAR(10 g) = 0.175 mW/g
Maximum value of SAR (measured) = 0.286 mW/g
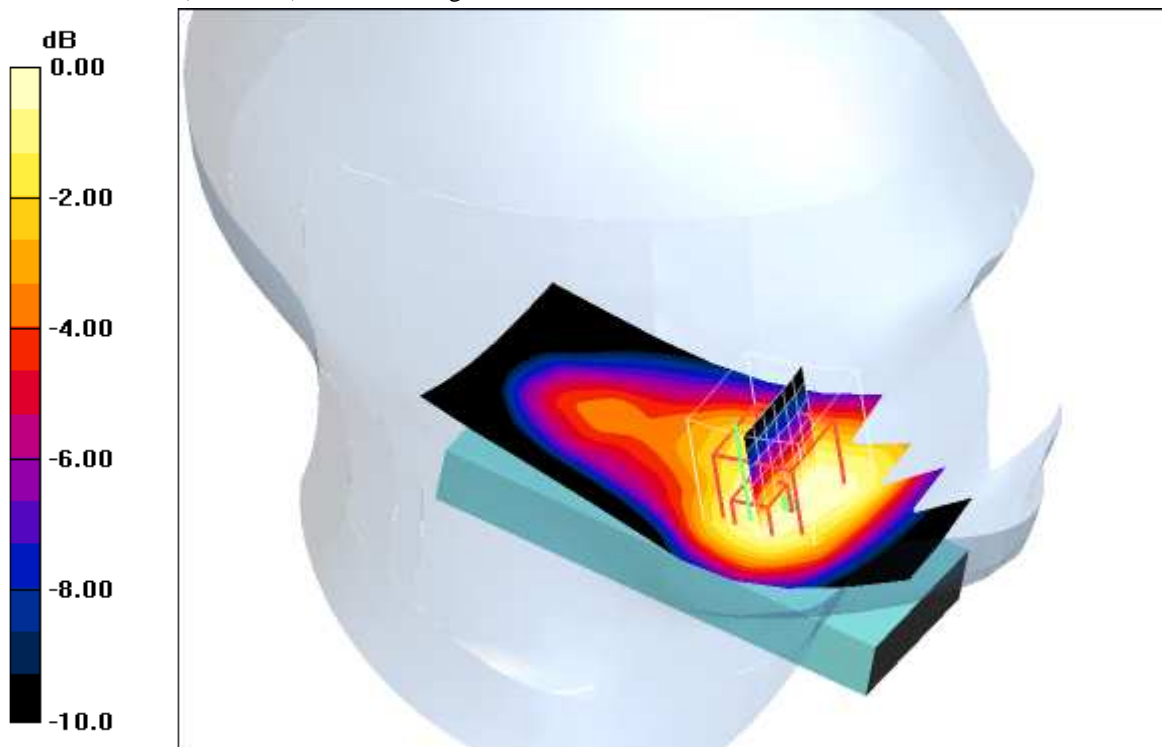
0 dB = 0.286mW/g

Additional information:
position or distance of DUT to SAM (if not standard head positions) :
ambient temperature: 23.2°C; liquid temperature: 21.7°C

Date/Time: 2009-06-02 12:53:41Date/Time: 2009-06-02 13:00:10

IEEE1528_OET65-LeftHandSide-GSM1900-open

DUT: Sony Ericsson; Type: AAD-3880040-BV; Serial: BX900MF7NH

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

Medium: HSL1900 Medium parameters used: f = 1909.8 MHz; σ = 1.39 mho/m; ε_r = 39.4; ρ = 1000 kg/m^3
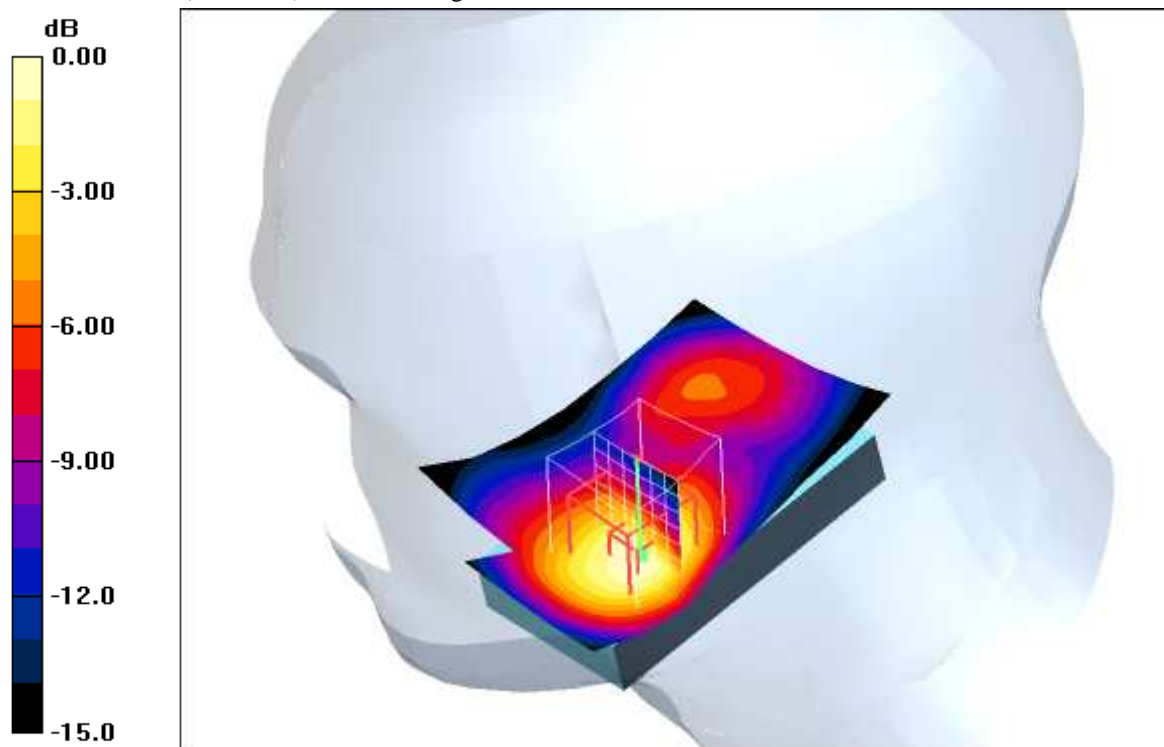
Phantom section: Left Section

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: 2009-01-08
- 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=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.335 mW/g

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

Reference Value = 15.7 V/m; Power Drift = 0.027 dB

Peak SAR (extrapolated) = 0.471 W/kg

SAR(1 g) = 0.306 mW/g; SAR(10 g) = 0.201 mW/g

Maximum value of SAR (measured) = 0.324 mW/g
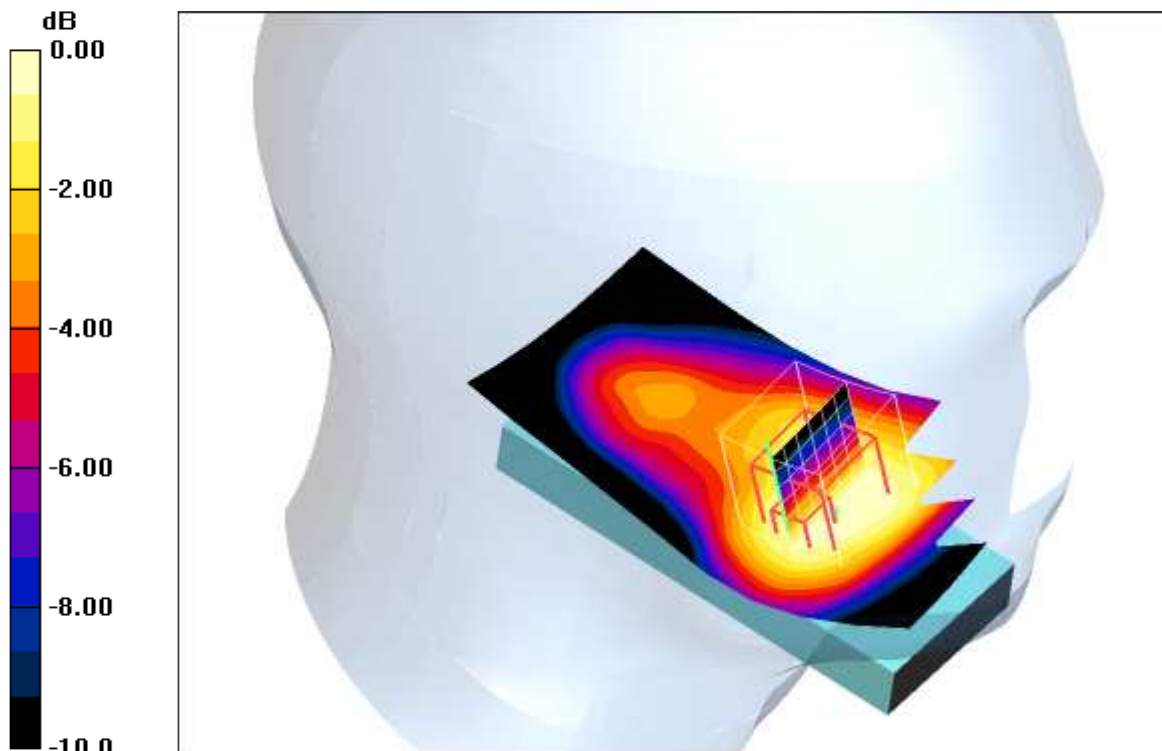
0 dB = 0.324mW/g

Additional information:

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

ambient temperature: 23.2°C; liquid temperature: 21.7°C

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Date/Time: 2009-06-02 11:49:33Date/Time: 2009-06-02 11:55:55

IEEE1528_OET65-LeftHandSide-GSM1900-open

DUT: Sony Ericsson; Type: AAD-3880040-BV; Serial: BX900MF7NH

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

Medium: HSL1900 Medium parameters used: f = 1850.2 MHz; σ = 1.39 mho/m; ε_r = 39.4; ρ = 1000 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: 2009-01-08
- 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=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.200 mW/g

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

Reference Value = 11.2 V/m; Power Drift = 0.026 dB

Peak SAR (extrapolated) = 0.254 W/kg

SAR(1 g) = 0.172 mW/g; SAR(10 g) = 0.108 mW/g

Maximum value of SAR (measured) = 0.185 mW/g
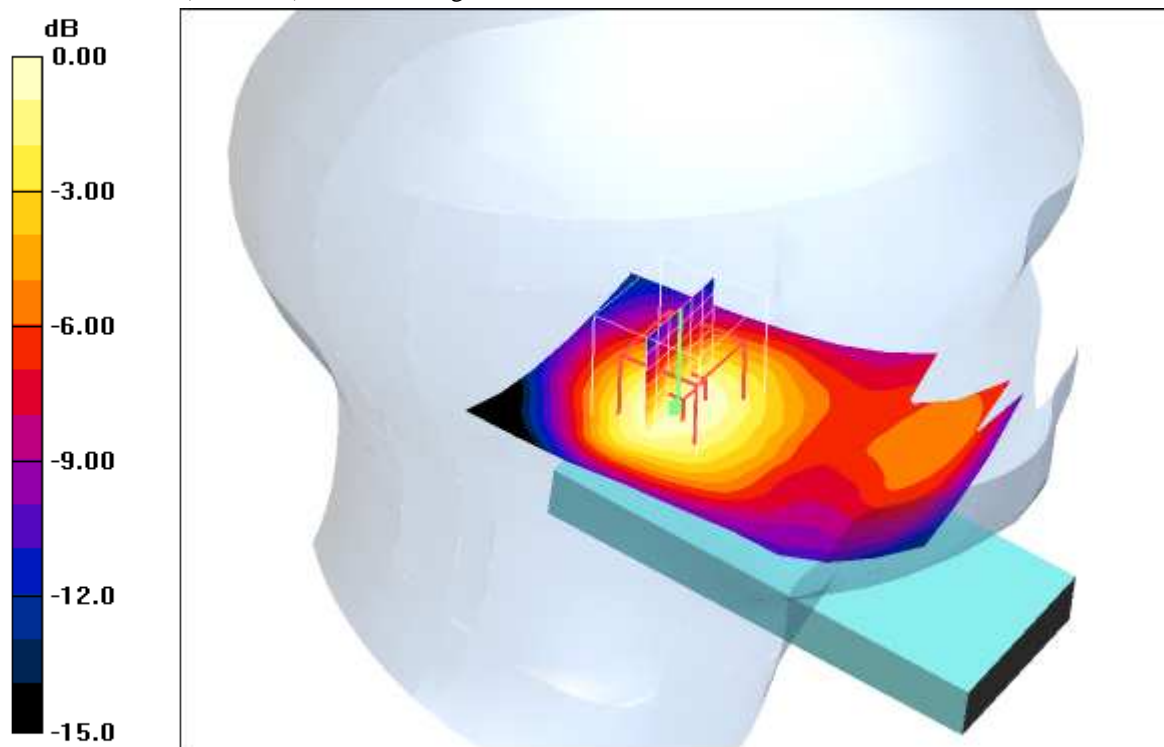
0 dB = 0.185mW/g

Additional information:

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

ambient temperature: 23.2°C; liquid temperature: 21.7°C

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Date/Time: 2009-06-02 12:09:20Date/Time: 2009-06-02 12:15:42

IEEE1528_OET65-LeftHandSide-GSM1900-open

DUT: Sony Ericsson; Type: AAD-3880040-BV; Serial: BX900MF7NH

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

Medium: HSL1900 Medium parameters used: f = 1880 MHz; σ = 1.39 mho/m; ε_r = 39.4; ρ = 1000 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: 2009-01-08
- 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=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.231 mW/g

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

Reference Value = 12.0 V/m; Power Drift = 0.019 dB

Peak SAR (extrapolated) = 0.292 W/kg

SAR(1 g) = 0.197 mW/g; SAR(10 g) = 0.123 mW/g

Maximum value of SAR (measured) = 0.212 mW/g

0 dB = 0.212mW/g

Additional information:

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

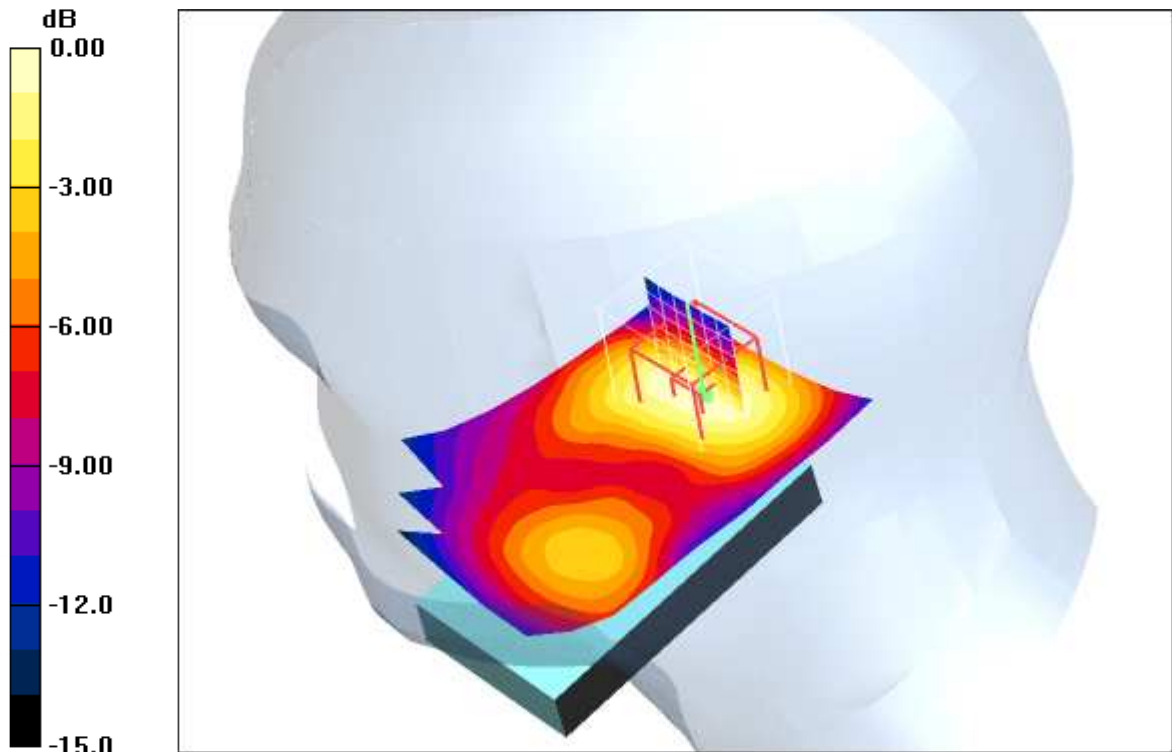ambient temperature: 23.2°C; liquid temperature: 21.7°C

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IEEE1528_OET65-LeftHandSide-GSM1900-open

DUT: Sony Ericsson; Type: AAD-3880040-BV; Serial: BX900MF7NH

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

Medium: HSL1900 Medium parameters used: f = 1909.8 MHz; σ = 1.39 mho/m; ε_r = 39.4; ρ = 1000 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: 2009-01-08
- 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=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.300 mW/g

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

Reference Value = 13.8 V/m; Power Drift = -0.011 dB

Peak SAR (extrapolated) = 0.392 W/kg

SAR(1 g) = 0.256 mW/g; SAR(10 g) = 0.157 mW/g

Maximum value of SAR (measured) = 0.275 mW/g
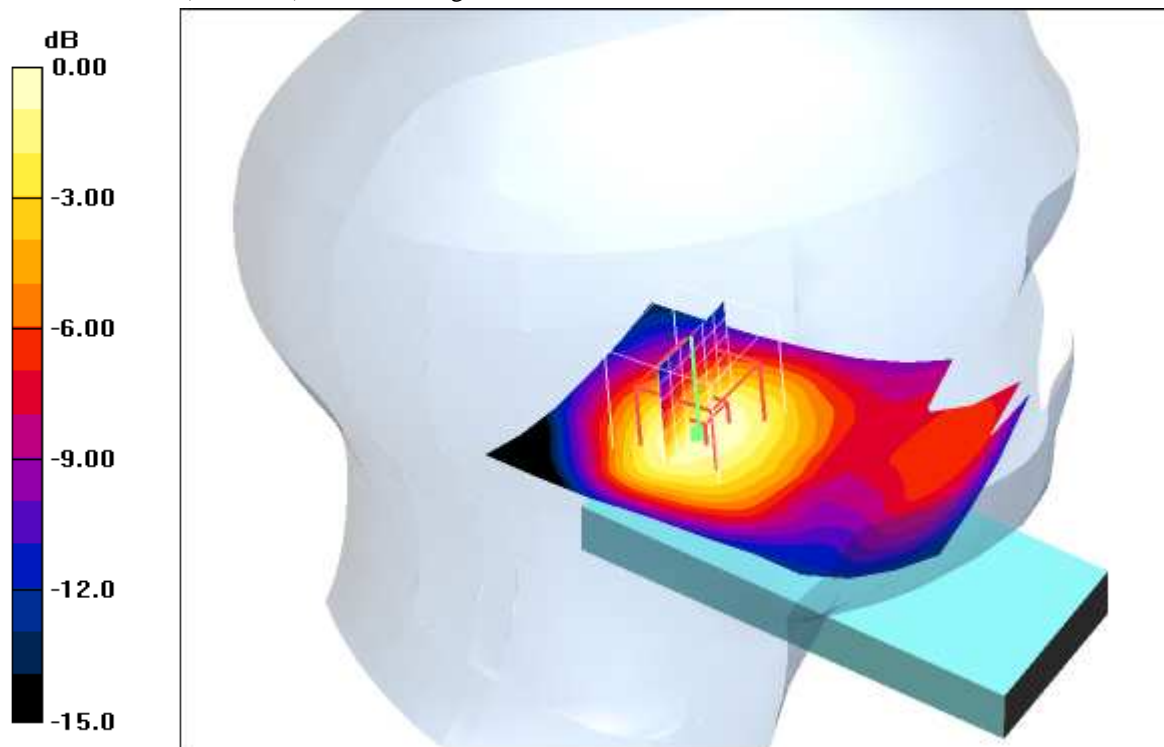
0 dB = 0.275mW/g

Additional information:

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

ambient temperature: 23.2°C; liquid temperature: 21.7°C

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Date/Time: 2009-06-02 14:14:43Date/Time: 2009-06-02 14:20:07

IEEE1528_OET65-RightHandSide-GSM1900

DUT: Sony Ericsson; Type: AAD-3880040-BV; Serial: BX900MF7NH

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

Medium: HSL1900 Medium parameters used: $f = 1850.2$ MHz; $\sigma = 1.39$ mho/m; $\varepsilon_r = 39.4$; $\rho = 1000$ 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: 2009-01-08
- 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) = 0.702 mW/g

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

Reference Value = 20.9 V/m; Power Drift = 0.039 dB

Peak SAR (extrapolated) = 1.09 W/kg

SAR(1 g) = 0.633 mW/g; SAR(10 g) = 0.349 mW/g

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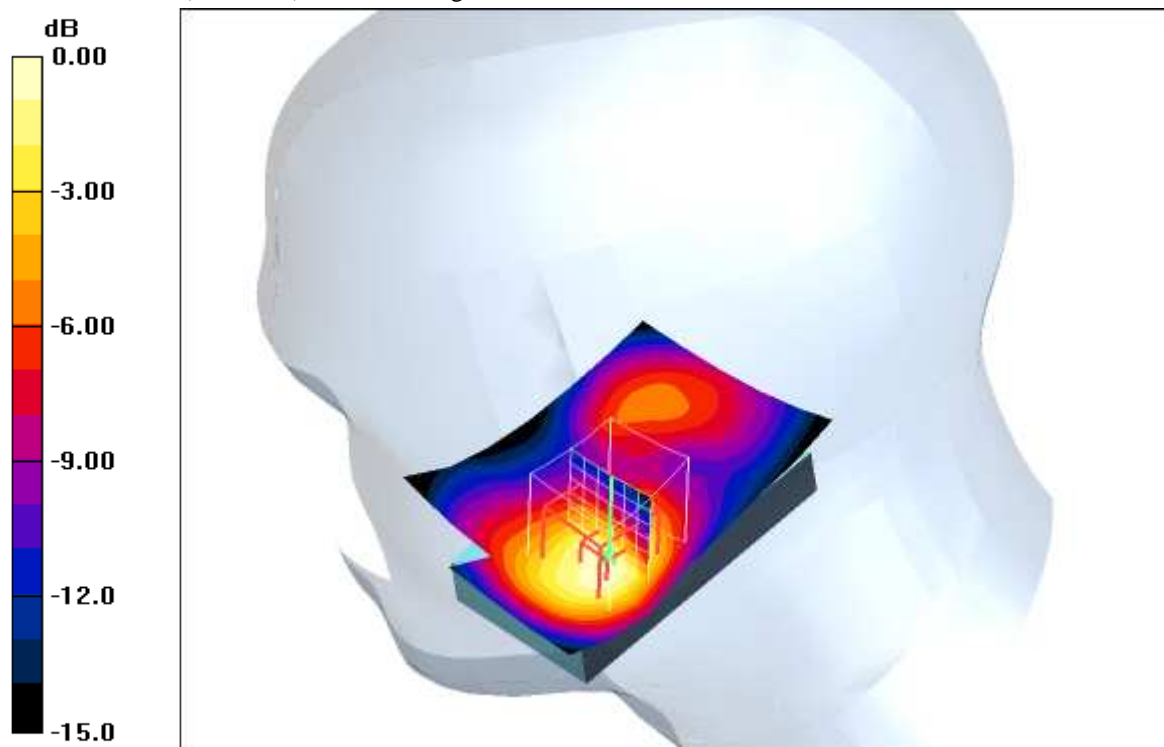
0 dB = 0.699mW/g

Additional information:

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

ambient temperature: 23.2°C; liquid temperature: 21.7°C

Date/Time: 2009-06-02 14:35:51Date/Time: 2009-06-02 14:41:06

IEEE1528_OET65-RightHandSide-GSM1900

DUT: Sony Ericsson; Type: AAD-3880040-BV; Serial: BX900MF7NH

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

Medium: HSL1900 Medium parameters used: f = 1880 MHz; σ = 1.39 mho/m; ε_r = 39.4; ρ = 1000 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: 2009-01-08
- 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=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.842 mW/g

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

Reference Value = 23.2 V/m; Power Drift = 0.017 dB

Peak SAR (extrapolated) = 1.29 W/kg

SAR(1 g) = 0.749 mW/g; SAR(10 g) = 0.417 mW/g

Maximum value of SAR (measured) = 0.819 mW/g

0 dB = 0.819mW/g

Additional information:

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

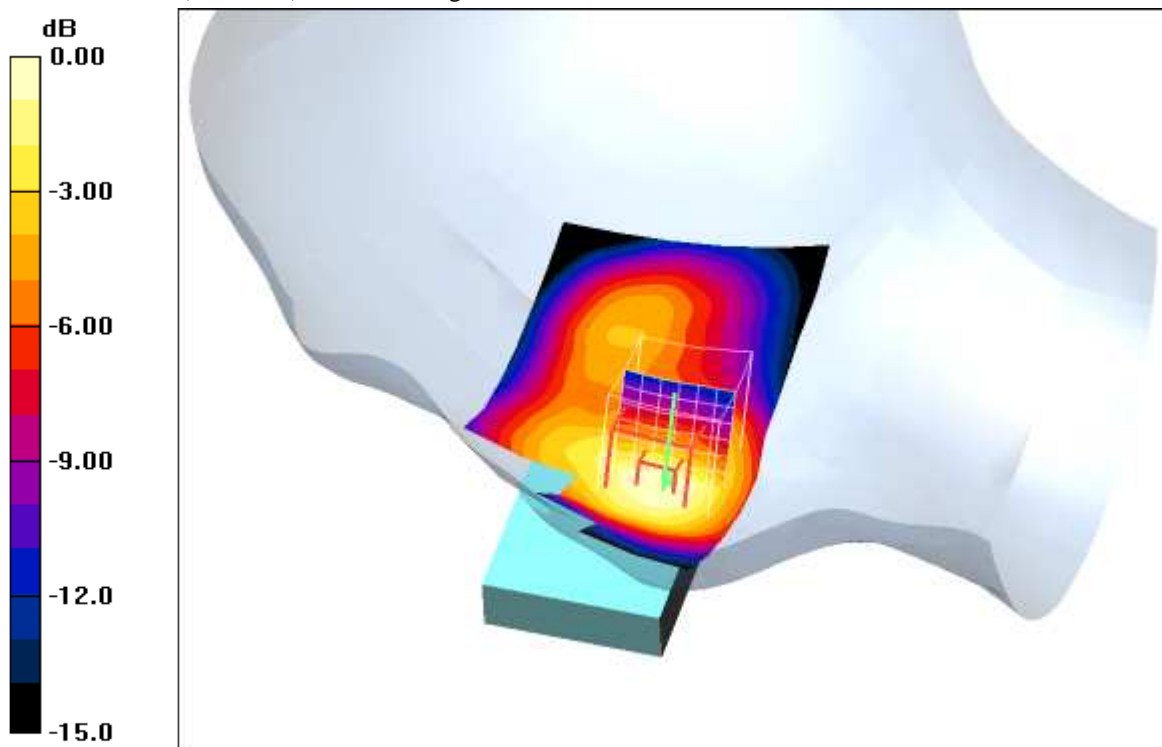ambient temperature: 23.2°C; liquid temperature: 21.7°C

Date/Time: 2009-06-02 14:55:56Date/Time: 2009-06-02 15:01:14

IEEE1528_OET65-RightHandSide-GSM1900

DUT: Sony Ericsson; Type: AAD-3880040-BV; Serial: BX900MF7NH

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

Medium: HSL1900 Medium parameters used: f = 1909.8 MHz; σ = 1.39 mho/m; ε_r = 39.4; ρ = 1000 kg/m³

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: 2009-01-08

- 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=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.04 mW/g

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

Reference Value = 25.7 V/m; Power Drift = 0.024 dB

Peak SAR (extrapolated) = 1.56 W/kg

SAR(1 g) = 0.924 mW/g; SAR(10 g) = 0.517 mW/g

Maximum value of SAR (measured) = 0.991 mW/g
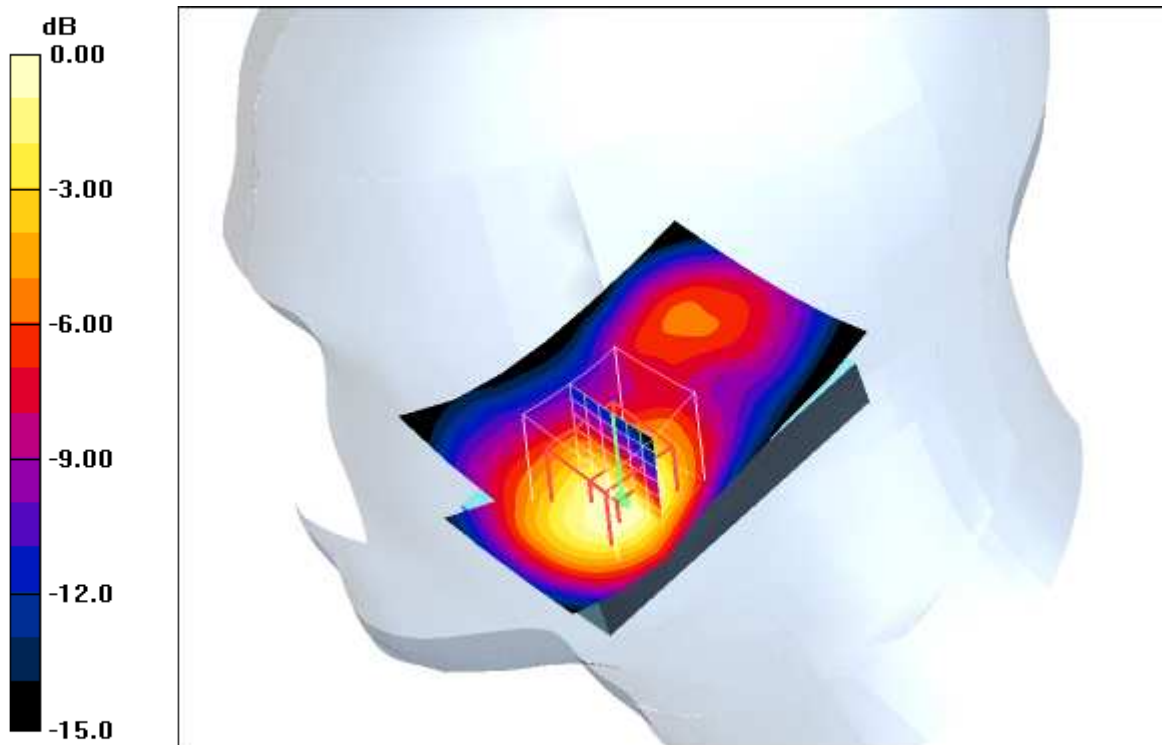
0 dB = 0.991mW/g

Additional information:

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

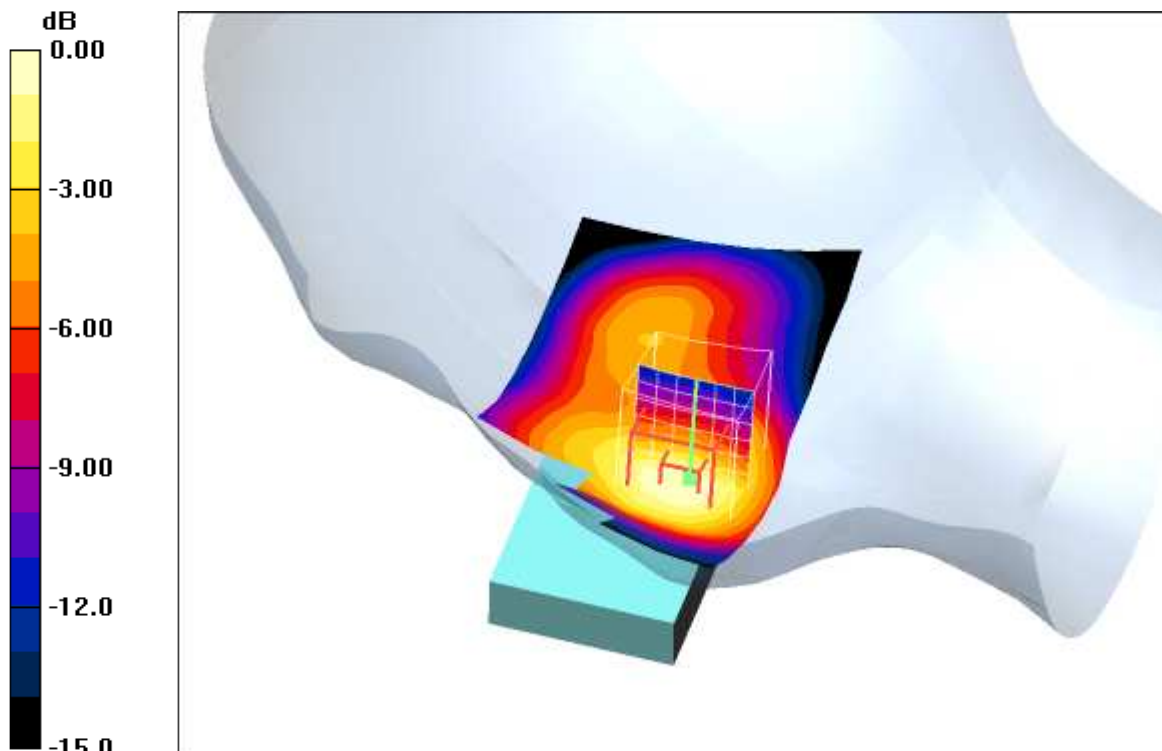ambient temperature: 23.2°C; liquid temperature: 21.7°C

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Date/Time: 2009-06-02 15:55:13Date/Time: 2009-06-02 16:01:11

IEEE1528_OET65-RightHandSide-GSM1900

DUT: Sony Ericsson; Type: AAD-3880040-BV; Serial: BX900MF7NH

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

Medium: HSL1900 Medium parameters used: f = 1850.2 MHz; σ = 1.39 mho/m; ε_r = 39.4; ρ = 1000 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: 2009-01-08
- 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=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.196 mW/g

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

Reference Value = 11.7 V/m; Power Drift = 0.065 dB

Peak SAR (extrapolated) = 0.257 W/kg

SAR(1 g) = 0.167 mW/g; SAR(10 g) = 0.101 mW/g

Maximum value of SAR (measured) = 0.183 mW/g
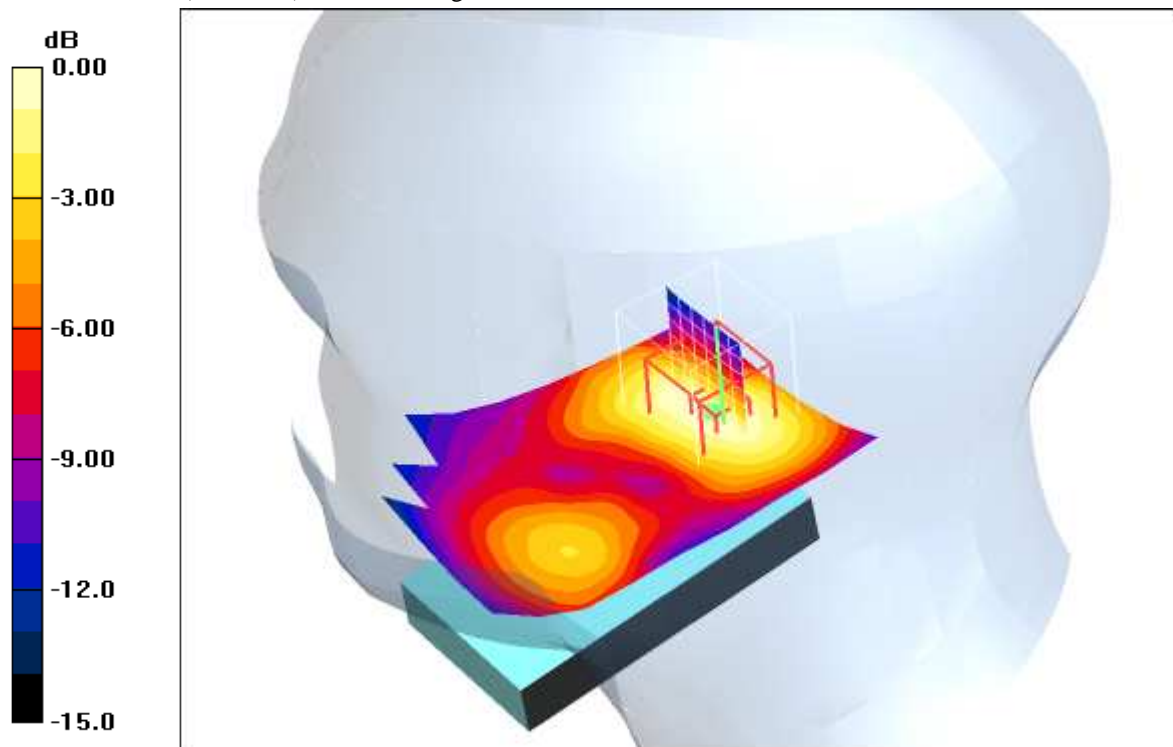
0 dB = 0.183mW/g

Additional information:

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

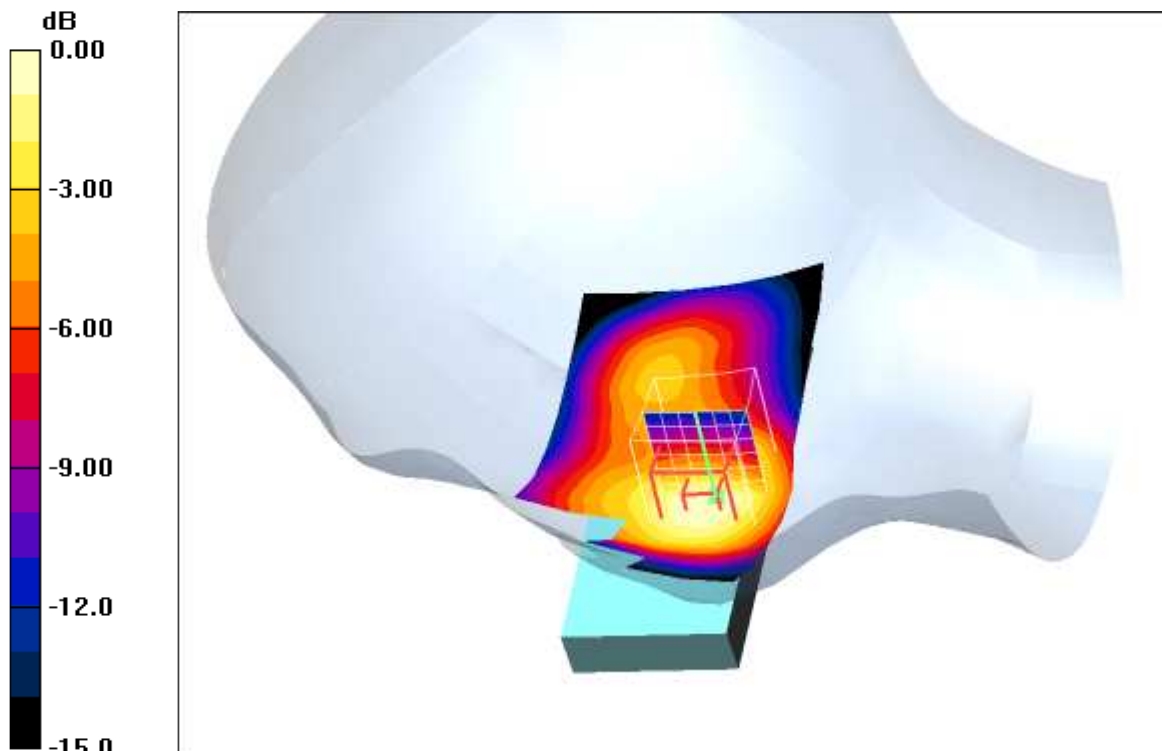ambient temperature: 23.3°C; liquid temperature: 21.8°C

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Date/Time: 2009-06-02 15:36:01Date/Time: 2009-06-02 15:41:57

IEEE1528_OET65-RightHandSide-GSM1900

DUT: Sony Ericsson; Type: AAD-3880040-BV; Serial: BX900MF7NH

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

Medium: HSL1900 Medium parameters used: f = 1880 MHz; σ = 1.39 mho/m; ε_r = 39.4; ρ = 1000 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: 2009-01-08
- 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=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.236 mW/g

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

Reference Value = 12.9 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.308 W/kg

SAR(1 g) = 0.199 mW/g; SAR(10 g) = 0.119 mW/g

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

0 dB = 0.220mW/g

Additional information:

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

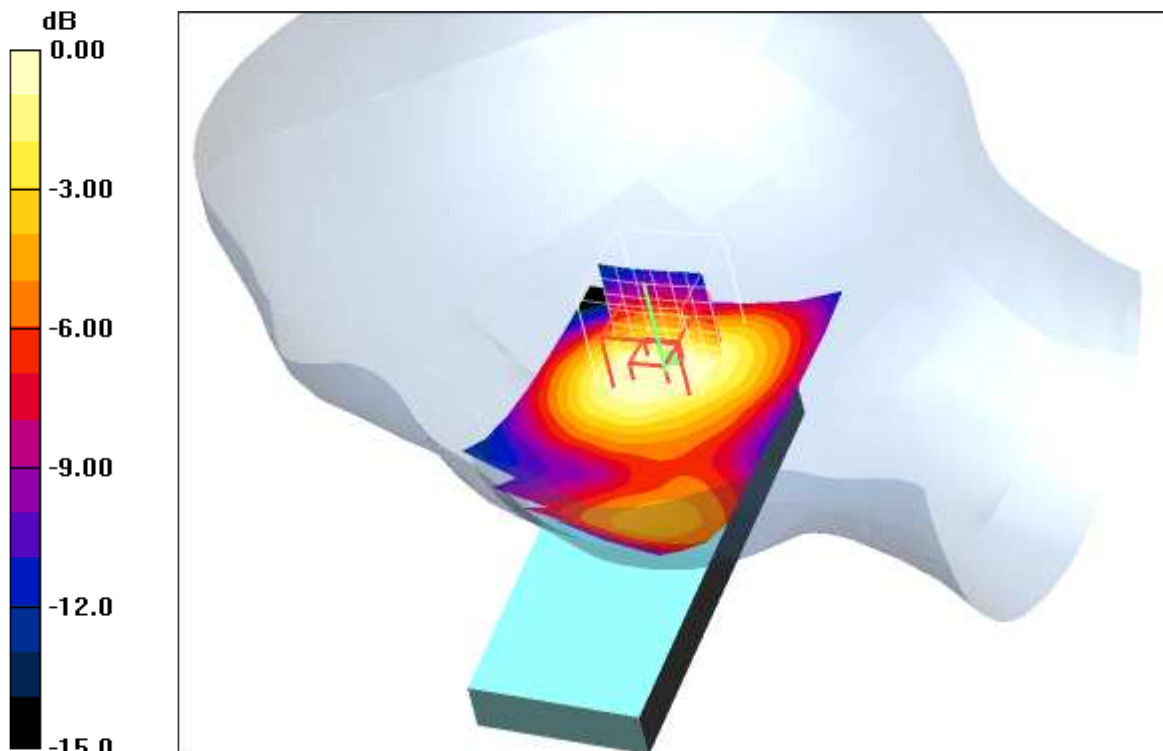ambient temperature: 23.3°C; liquid temperature: 21.8°C

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Date/Time: 2009-06-02 15:16:45Date/Time: 2009-06-02 15:22:37

IEEE1528_OET65-RightHandSide-GSM1900

DUT: Sony Ericsson; Type: AAD-3880040-BV; Serial: BX900MF7NH

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

Medium: HSL1900 Medium parameters used: f = 1909.8 MHz; σ = 1.39 mho/m; ε_r = 39.4; ρ = 1000 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: 2009-01-08
- 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=15mm, dy=15mm

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

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

Reference Value = 14.6 V/m; Power Drift = 0.025 dB

Peak SAR (extrapolated) = 0.402 W/kg

SAR(1 g) = 0.258 mW/g; SAR(10 g) = 0.155 mW/g

Maximum value of SAR (measured) = 0.283 mW/g
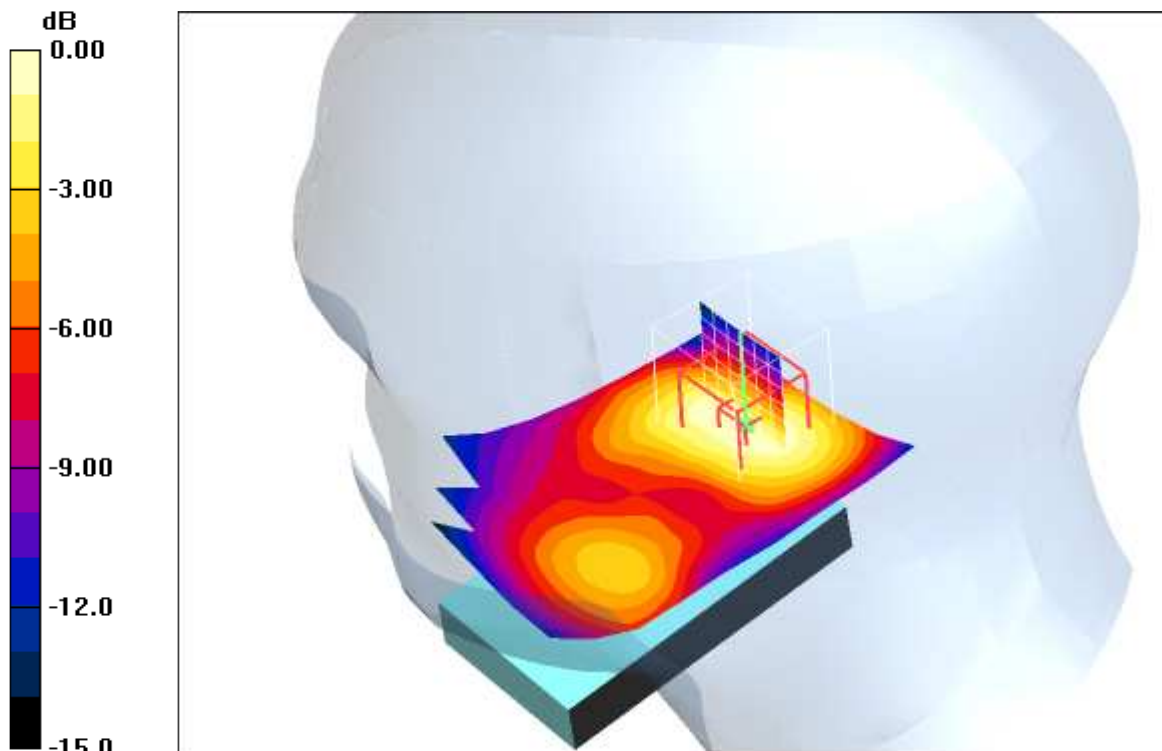
0 dB = 0.283mW/g

Additional information:

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

ambient temperature: 23.3°C; liquid temperature: 21.8°C

CETECOM ICT Services GmbH

Date/Time: 2009-06-02 17:45:46Date/Time: 2009-06-02 17:52:26

IEEE1528_OET65-RightHandSide-GSM1900 open

DUT: Sony Ericsson; Type: AAD-3880040-BV; Serial: BX900MF7NH

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

Medium: HSL1900 Medium parameters used: f = 1850.2 MHz; σ = 1.39 mho/m; ε_r = 39.4; ρ = 1000 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: 2009-01-08
- 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=15mm, dy=15mm

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

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

Reference Value = 16.2 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.575 W/kg

SAR(1 g) = 0.361 mW/g; SAR(10 g) = 0.217 mW/g

Maximum value of SAR (measured) = 0.386 mW/g

0 dB = 0.386mW/g

Additional information:

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

ambient temperature: 23.5°C; liquid temperature: 21.6°C

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IEEE1528_OET65-RightHandSide-GSM1900 open

DUT: Sony Ericsson; Type: AAD-3880040-BV; Serial: BX900MF7NH

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

Medium: HSL1900 Medium parameters used: f = 1880 MHz; σ = 1.39 mho/m; ε_r = 39.4; ρ = 1000 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: 2009-01-08
- 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=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.450 mW/g

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

Reference Value = 17.8 V/m; Power Drift = -0.035 dB

Peak SAR (extrapolated) = 0.689 W/kg

SAR(1 g) = 0.423 mW/g; SAR(10 g) = 0.253 mW/g

Maximum value of SAR (measured) = 0.463 mW/g

0 dB = 0.463mW/g

Additional information:

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

ambient temperature: 23.5°C; liquid temperature: 21.6°C

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Date/Time: 2009-06-02 17:19:17Date/Time: 2009-06-02 17:26:36

IEEE1528_OET65-RightHandSide-GSM1900 open

DUT: Sony Ericsson; Type: AAD-3880040-BV; Serial: BX900MF7NH

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

Medium: HSL1900 Medium parameters used: f = 1909.8 MHz; σ = 1.39 mho/m; ε_r = 39.4; ρ = 1000 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: 2009-01-08
- 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=15mm, dy=15mm

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

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

Reference Value = 19.5 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.804 W/kg

SAR(1 g) = 0.495 mW/g; SAR(10 g) = 0.296 mW/g

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

0 dB = 0.532mW/g

Additional information:

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

ambient temperature: 23.5°C; liquid temperature: 21.6°C

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Date/Time: 2009-06-02 16:18:14Date/Time: 2009-06-02 16:24:22

IEEE1528_OET65-RightHandSide-GSM1900 open

DUT: Sony Ericsson; Type: AAD-3880040-BV; Serial: BX900MF7NH

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

Medium: HSL1900 Medium parameters used: f = 1850.2 MHz; σ = 1.39 mho/m; ε_r = 39.4; ρ = 1000 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: 2009-01-08
- 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=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.214 mW/g

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

Reference Value = 12.3 V/m; Power Drift = -0.063 dB

Peak SAR (extrapolated) = 0.262 W/kg

SAR(1 g) = 0.178 mW/g; SAR(10 g) = 0.112 mW/g

Maximum value of SAR (measured) = 0.192 mW/g

0 dB = 0.192mW/g

Additional information:

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

ambient temperature: 23.4°C; liquid temperature: 21.7°C

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IEEE1528_OET65-RightHandSide-GSM1900 open

DUT: Sony Ericsson; Type: AAD-3880040-BV; Serial: BX900MF7NH

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

Medium: HSL1900 Medium parameters used: f = 1880 MHz; σ = 1.39 mho/m; ε_r = 39.4; ρ = 1000 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: 2009-01-08

- 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=15mm, dy=15mm

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

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

Reference Value = 13.2 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.308 W/kg

SAR(1 g) = 0.209 mW/g; SAR(10 g) = 0.128 mW/g

Maximum value of SAR (measured) = 0.223 mW/g
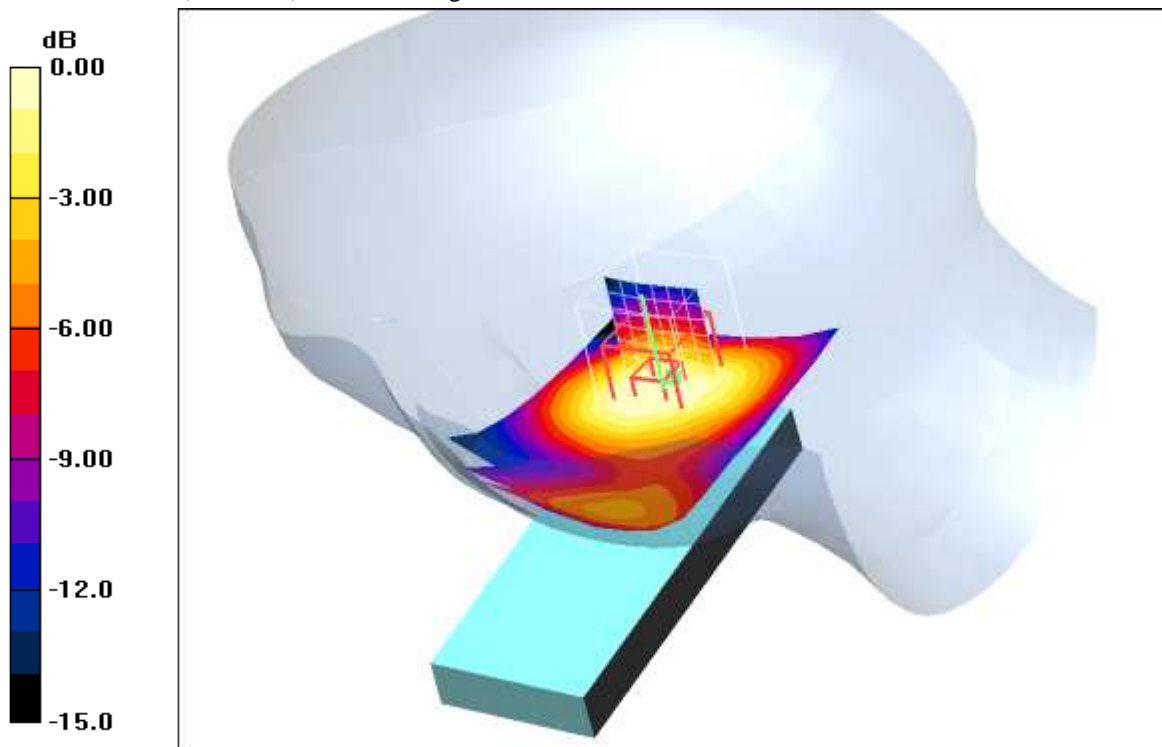
0 dB = 0.223mW/g

Additional information:

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

ambient temperature: 23.4°C; liquid temperature: 21.7°C

Date/Time: 2009-06-02 16:59:18Date/Time: 2009-06-02 17:05:30

IEEE1528_OET65-RightHandSide-GSM1900 open

DUT: Sony Ericsson; Type: AAD-3880040-BV; Serial: BX900MF7NH

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

Medium: HSL1900 Medium parameters used: f = 1909.8 MHz; σ = 1.39 mho/m; ε_r = 39.4; ρ = 1000 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: 2009-01-08
- 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=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.312 mW/g

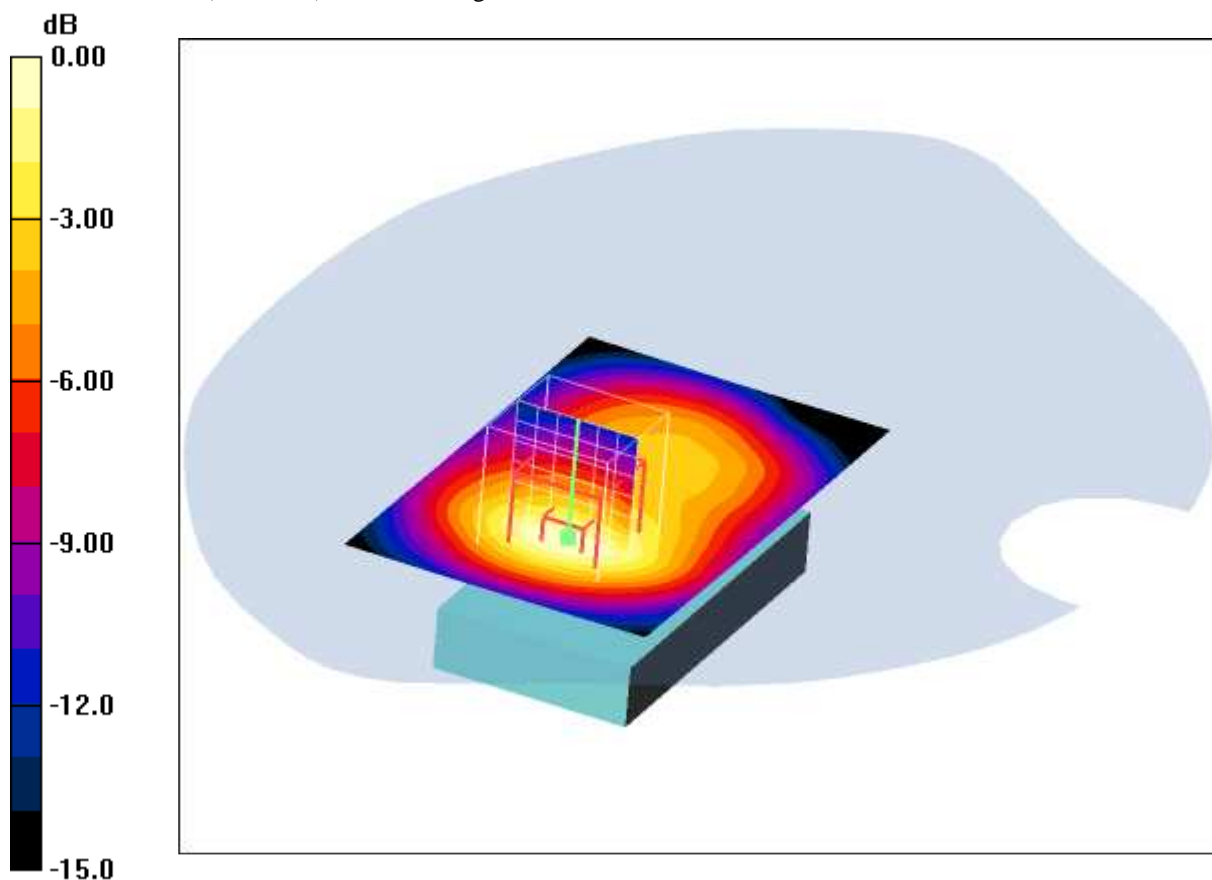## Tilt position - High/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 14.6 V/m; Power Drift = 0.023 dB

Peak SAR (extrapolated) = 0.391 W/kg

SAR(1 g) = 0.255 mW/g; SAR(10 g) = 0.156 mW/g

Maximum value of SAR (measured) = 0.274 mW/g
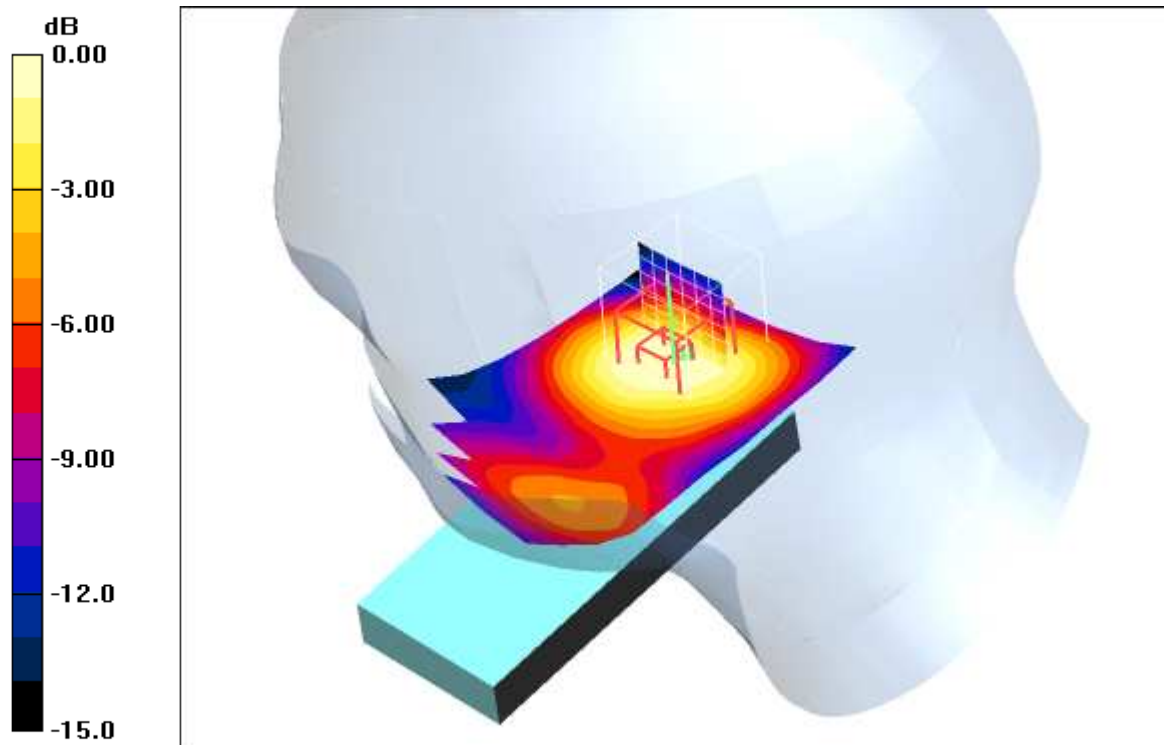
0 dB = 0.274mW/g

Additional information:

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

ambient temperature: 23.4°C; liquid temperature: 21.7°C

Annex 2.4   PCS 1900 MHz body

Date/Time: 2009-06-09 13:48:28Date/Time: 2009-06-09 13:54:21

IEEE1528_OET65-Body-GSM1900 GPRS 2TS

DUT: Sony Ericsson; Type: AAD-3880040-BV; Serial: BX900MF7NH

Communication System: PCS 1900 GPRS 2TS; Frequency: 1850.2 MHz;Duty Cycle: 1:4

Medium: M1900 Medium parameters used: f = 1850.2 MHz; σ = 1.47 mho/m; ε_r = 53.1; ρ = 1000 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: 2009-01-08
- 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=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.219 mW/g

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

Reference Value = 12.2 V/m; Power Drift = 0.136 dB

Peak SAR (extrapolated) = 0.319 W/kg

SAR(1 g) = 0.201 mW/g; SAR(10 g) = 0.128 mW/g

Maximum value of SAR (measured) = 0.215 mW/g
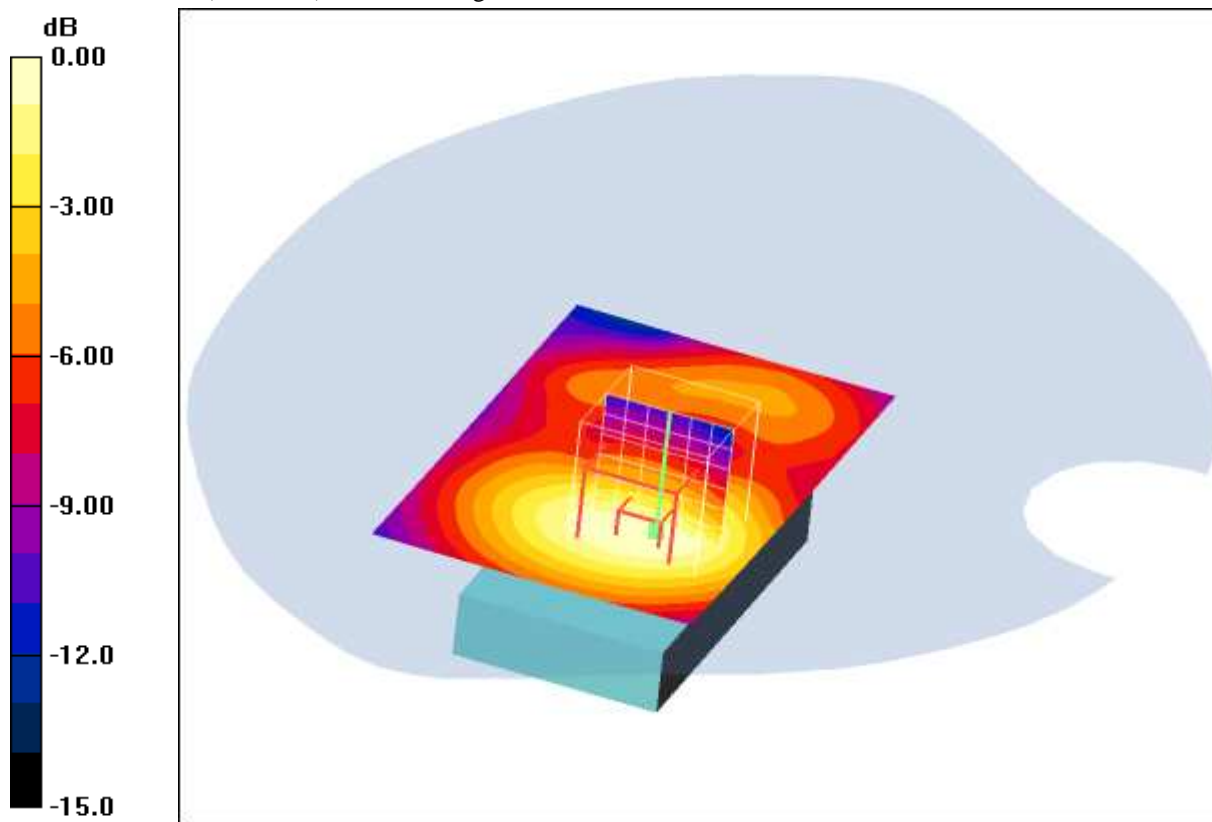
0 dB = 0.215mW/g

Additional information:

position or distance of DUT to SAM: 15 mm

ambient temperature: 23.4°C; liquid temperature: 22.0°C

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Date/Time: 2009-06-09 14:09:01Date/Time: 2009-06-09 14:15:15

IEEE1528_OET65-Body-GSM1900 GPRS 2TS

DUT: Sony Ericsson; Type: AAD-3880040-BV; Serial: BX900MF7NH

Communication System: PCS 1900 GPRS 2TS; Frequency: 1880 MHz;Duty Cycle: 1:4

Medium: M1900 Medium parameters used: f = 1880 MHz; σ = 1.47 mho/m; ε_r = 53.1; ρ = 1000 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: 2009-01-08
- 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=15mm, dy=15mm

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

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

Reference Value = 13.4 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.385 W/kg

SAR(1 g) = 0.237 mW/g; SAR(10 g) = 0.150 mW/g

Maximum value of SAR (measured) = 0.254 mW/g
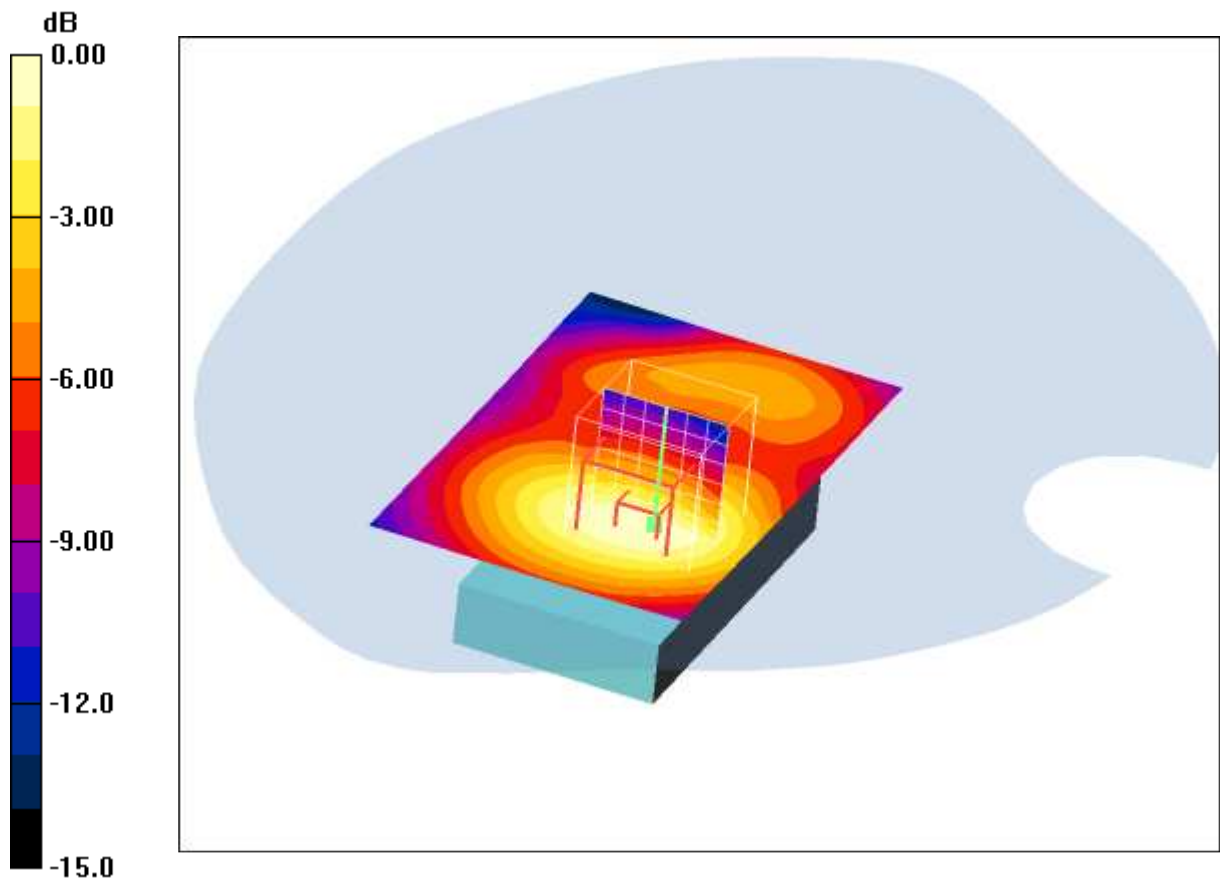
0 dB = 0.254mW/g

Additional information:

position or distance of DUT to SAM: 15 mm

ambient temperature: 23.4°C; liquid temperature: 22.0°C

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IEEE1528_OET65-Body-GSM1900 GPRS 2TS

DUT: Sony Ericsson; Type: AAD-3880040-BV; Serial: BX900MF7NH

Communication System: PCS 1900 GPRS 2TS; Frequency: 1909.8 MHz;Duty Cycle: 1:4

Medium: M1900 Medium parameters used: f = 1909.8 MHz; σ = 1.47 mho/m; ε_r = 53.1; ρ = 1000 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: 2009-01-08
- 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=15mm, dy=15mm

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

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

Reference Value = 14.8 V/m; Power Drift = -0.040 dB

Peak SAR (extrapolated) = 0.494 W/kg

SAR(1 g) = 0.296 mW/g; SAR(10 g) = 0.185 mW/g

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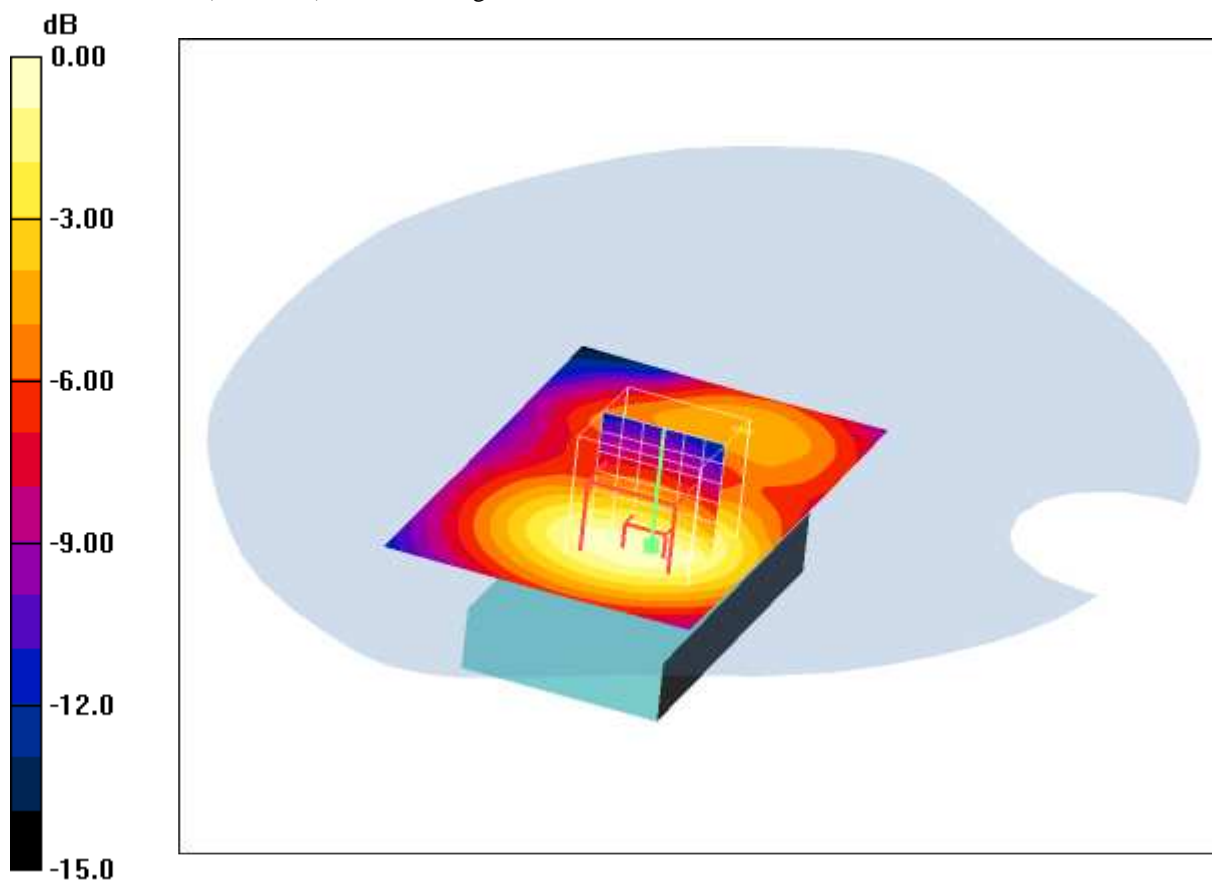
0 dB = 0.318mW/g

Additional information:

position or distance of DUT to SAM: 15 mm

ambient temperature: 23.4°C; liquid temperature: 22.0°C

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Date/Time: 2009-06-09 15:44:04Date/Time: 2009-06-09 15:49:58

IEEE1528_OET65-Body-GSM1900 GPRS 2TS

DUT: Sony Ericsson; Type: AAD-3880040-BV; Serial: BX900MF7NH

Communication System: PCS 1900 GPRS 2TS; Frequency: 1850.2 MHz;Duty Cycle: 1:4

Medium: M1900 Medium parameters used: f = 1850.2 MHz; σ = 1.47 mho/m; ε_r = 53.1; ρ = 1000 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: 2009-01-08
- 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=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.799 mW/g

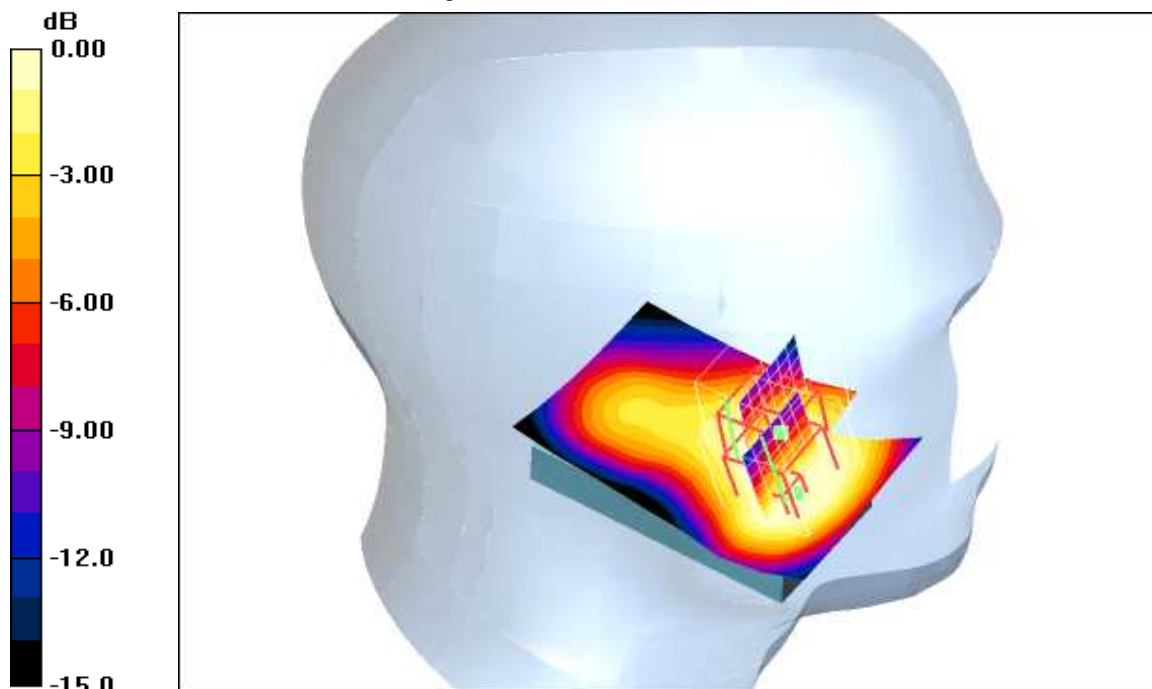## Rear position - Low/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 23.1 V/m; Power Drift = -0.099 dB

Peak SAR (extrapolated) = 1.23 W/kg

SAR(1 g) = 0.715 mW/g; SAR(10 g) = 0.422 mW/g

Maximum value of SAR (measured) = 0.781 mW/g

0 dB = 0.781mW/g

Additional information:

position or distance of DUT to SAM: 15 mm

ambient temperature: 23.4°C; liquid temperature: 22.0°C

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IEEE1528_OET65-Body-GSM1900 GPRS 2TS

DUT: Sony Ericsson; Type: AAD-3880040-BV; Serial: BX900MF7NH

Communication System: PCS 1900 GPRS 2TS; Frequency: 1880 MHz;Duty Cycle: 1:4

Medium: M1900 Medium parameters used: f = 1880 MHz; σ = 1.47 mho/m; ε_r = 53.1; ρ = 1000 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: 2009-01-08
- 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=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.794 mW/g

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

Reference Value = 22.7 V/m; Power Drift = -0.014 dB

Peak SAR (extrapolated) = 1.23 W/kg

SAR(1 g) = 0.701 mW/g; SAR(10 g) = 0.411 mW/g

Maximum value of SAR (measured) = 0.763 mW/g
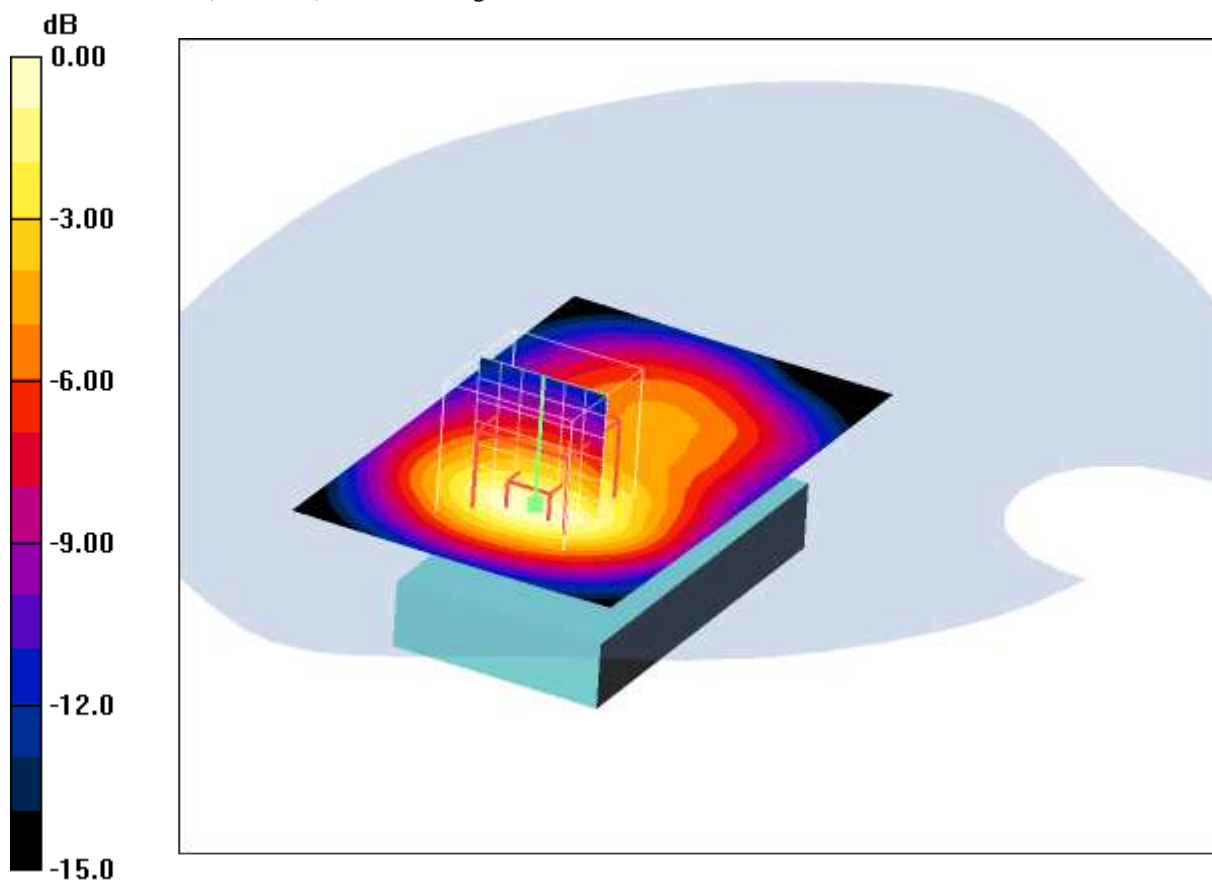
0 dB = 0.763mW/g

Additional information:

position or distance of DUT to SAM: 15 mm

ambient temperature: 23.4°C; liquid temperature: 22.0°C

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Date/Time: 2009-06-09 14:51:30Date/Time: 2009-06-09 14:57:24

IEEE1528_OET65-Body-GSM1900 GPRS 2TS

DUT: Sony Ericsson; Type: AAD-3880040-BV; Serial: BX900MF7NH

Communication System: PCS 1900 GPRS 2TS; Frequency: 1909.8 MHz;Duty Cycle: 1:4

Medium: M1900 Medium parameters used: f = 1909.8 MHz; σ = 1.47 mho/m; ε_r = 53.1; ρ = 1000 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: 2009-01-08
- 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=15mm, dy=15mm

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

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

Reference Value = 24.5 V/m; Power Drift = -0.032 dB

Peak SAR (extrapolated) = 1.41 W/kg

SAR(1 g) = 0.801 mW/g; SAR(10 g) = 0.464 mW/g

Maximum value of SAR (measured) = 0.871 mW/g
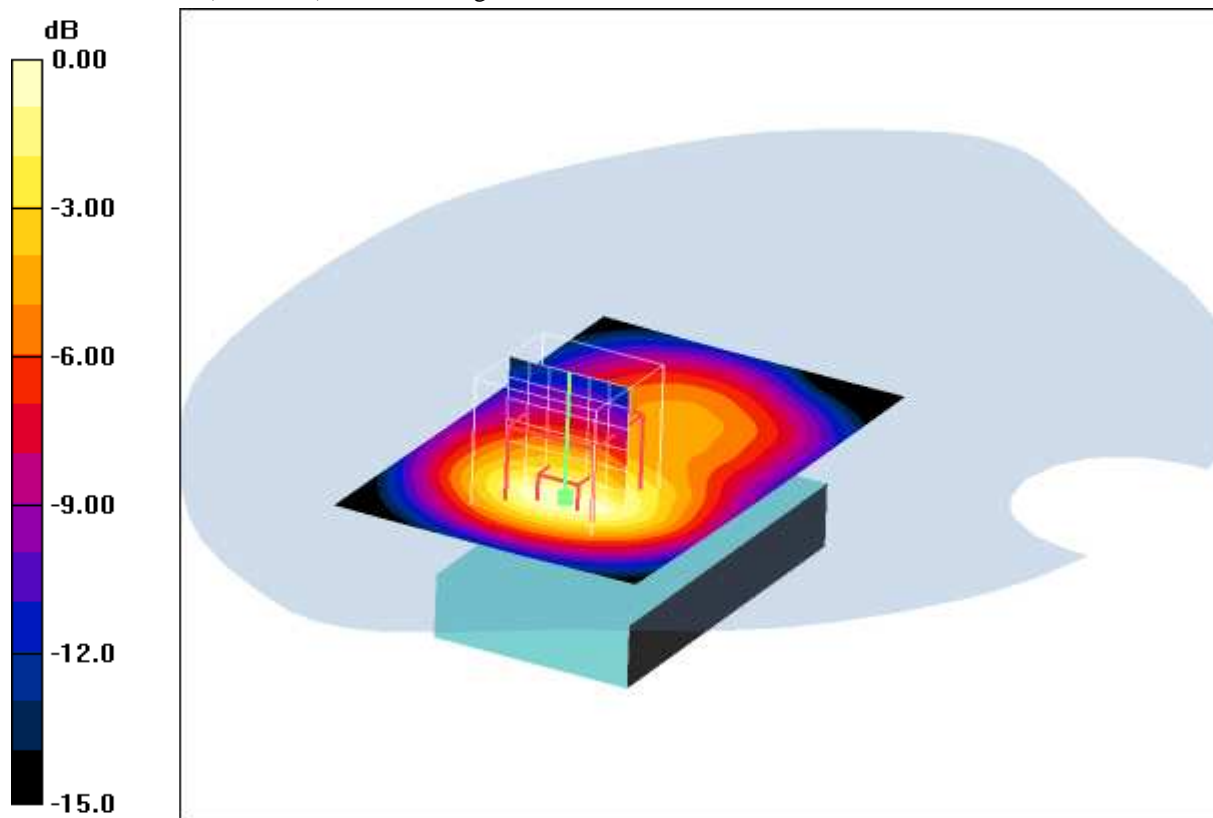
0 dB = 0.871mW/g

Additional information:

position or distance of DUT to SAM: 15 mm

ambient temperature: 23.4°C; liquid temperature: 22.0°C

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Date/Time: 2009-06-09 16:11:31Date/Time: 2009-06-09 16:17:48

IEEE1528_OET65-Body-GSM1900 GPRS 1TS

DUT: Sony Ericsson; Type: AAD-3880040-BV; Serial: BX900MF7NH

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

Medium: M1900 Medium parameters used: f = 1909.8 MHz; σ = 1.47 mho/m; ε_r = 53.1; ρ = 1000 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: 2009-01-08
- 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=15mm, dy=15mm

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

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

Reference Value = 16.9 V/m; Power Drift = 0.031 dB

Peak SAR (extrapolated) = 0.673 W/kg

SAR(1 g) = 0.384 mW/g; SAR(10 g) = 0.224 mW/g

Maximum value of SAR (measured) = 0.417 mW/g
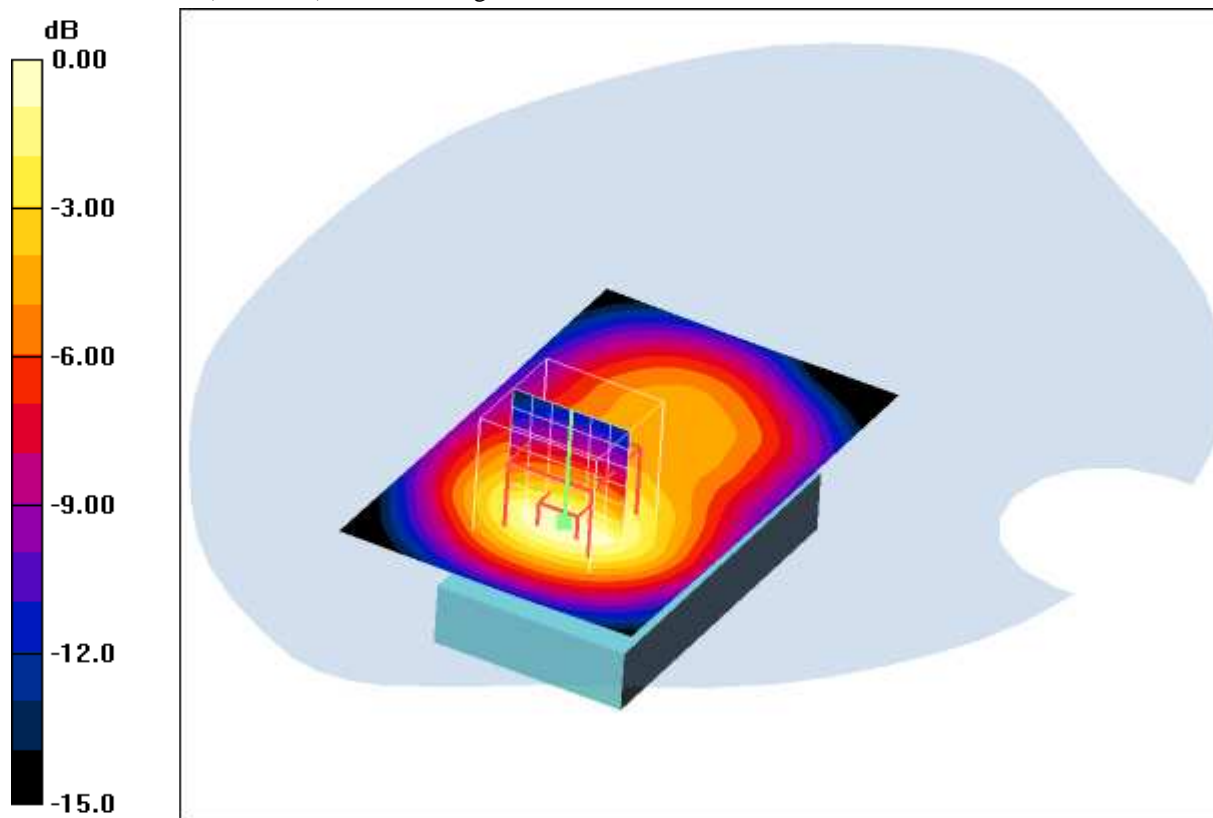
0 dB = 0.417mW/g

Additional information:

position or distance of DUT to SAM: 15 mm

ambient temperature: 23.4°C; liquid temperature: 22.0°C

Annex 2.5   UMTS (WCDMA) FDD II 1850 MHz head

Date/Time: 2009-06-03 14:09:42Date/Time: 2009-06-03 14:14:59Date/Time: 2009-06-03 14:27:11

IEEE1528_OET65-LeftHandSide-WCDMA FDD II

DUT: Sony Ericsson; Type: AAD-3880040-BV; Serial: BX900MF7NH

Communication System: WCDMA FDD II; Frequency: 1852.5 MHz; Duty Cycle: 1:1

Medium: HSL1900 Medium parameters used (interpolated): f = 1852.5 MHz; σ = 1.39 mho/m; ϵ_r = 39.4; ρ = 1000 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: 2009-01-08
- 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) = 0.616 mW/g

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

Reference Value = 19.6 V/m; Power Drift = 0.023 dB

Peak SAR (extrapolated) = 0.874 W/kg

SAR(1 g) = 0.562 mW/g; SAR(10 g) = 0.350 mW/g

Maximum value of SAR (measured) = 0.602 mW/g

Touch position - Low/Zoom Scan (7x7x7) (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 19.6 V/m; Power Drift = 0.023 dB

Peak SAR (extrapolated) = 0.752 W/kg

SAR(1 g) = 0.488 mW/g; SAR(10 g) = 0.319 mW/g

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

0 dB = 0.527mW/g

Additional information:

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

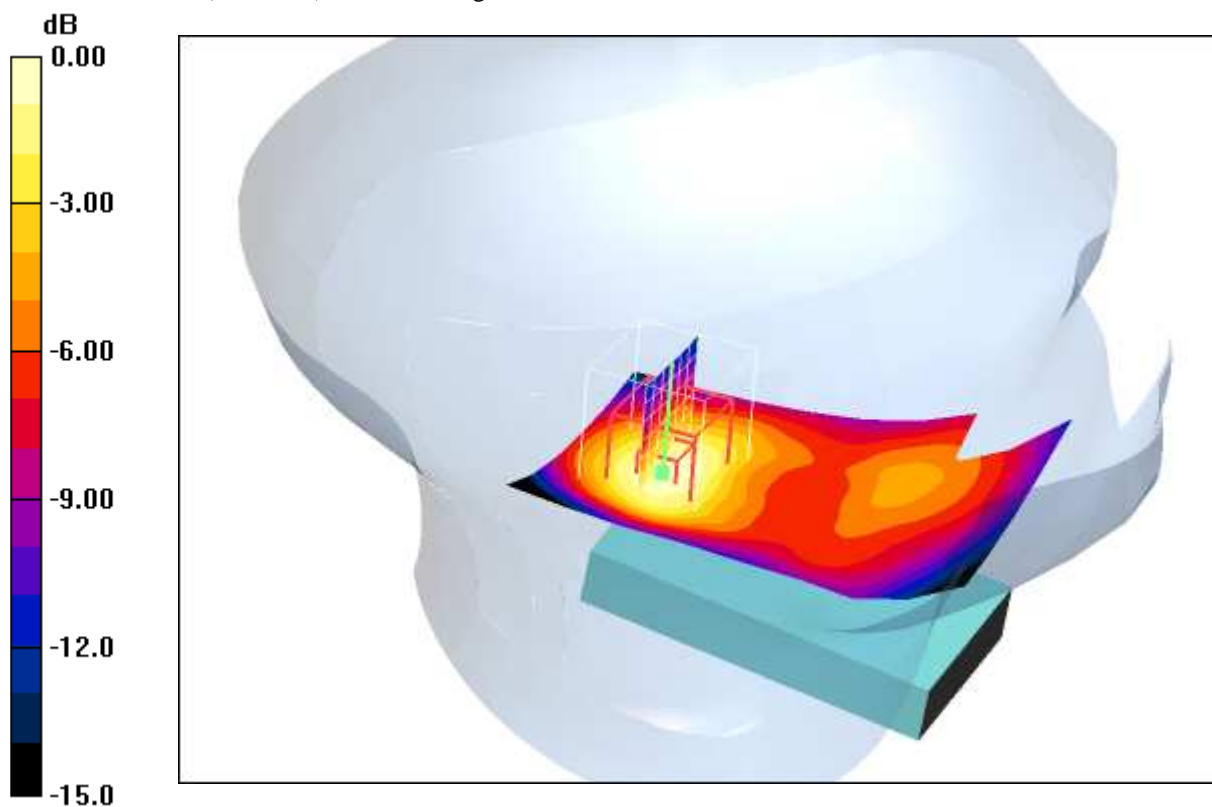ambient temperature: 22.9°C; liquid temperature: 21.9°C

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IEEE1528_OET65-LeftHandSide-WCDMA FDD II

DUT: Sony Ericsson; Type: AAD-3880040-BV; Serial: BX900MF7NH

Communication System: WCDMA FDD II; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: HSL1900 Medium parameters used: f = 1880 MHz; σ = 1.39 mho/m; ε_r = 39.4; ρ = 1000 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: 2009-01-08
- 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=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.657 mW/g

Touch position - Middle/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
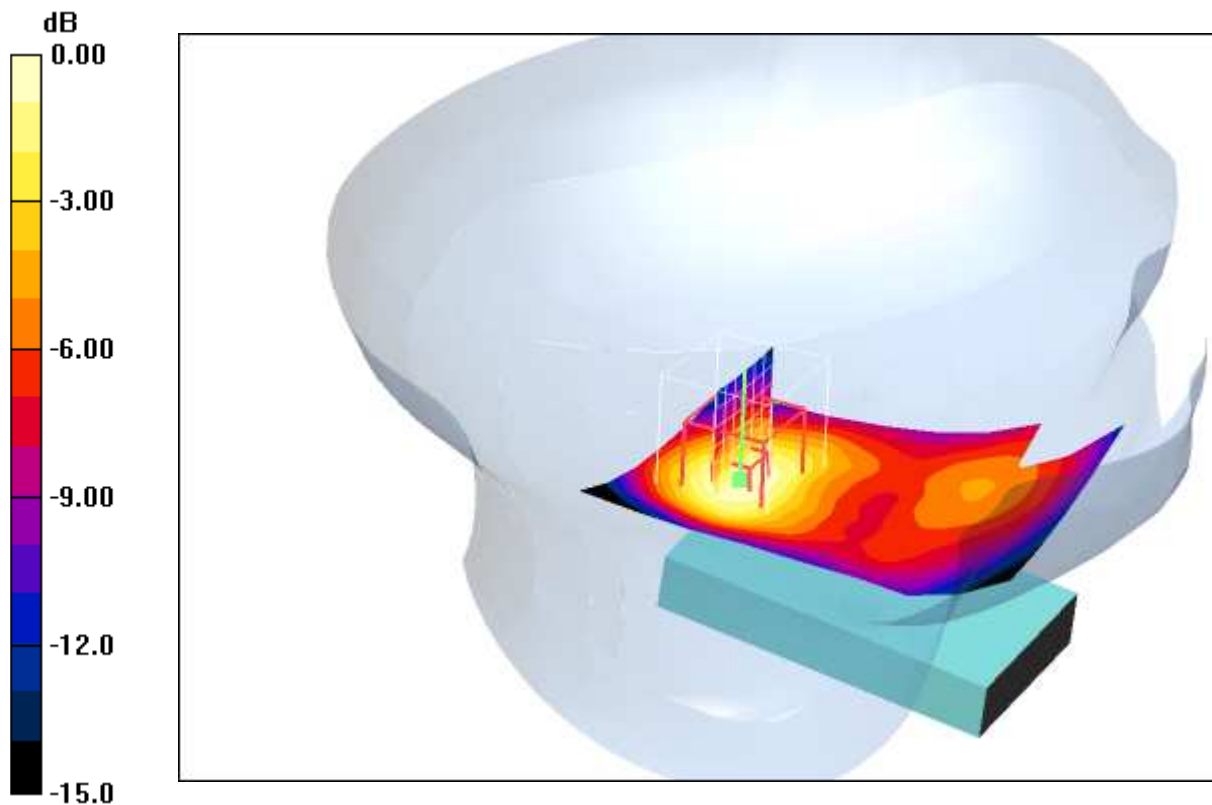
Reference Value = 21.6 V/m; Power Drift = 0.058 dB

Peak SAR (extrapolated) = 0.971 W/kg

SAR(1 g) = 0.580 mW/g; SAR(10 g) = 0.358 mW/g

Maximum value of SAR (measured) = 0.616 mW/g
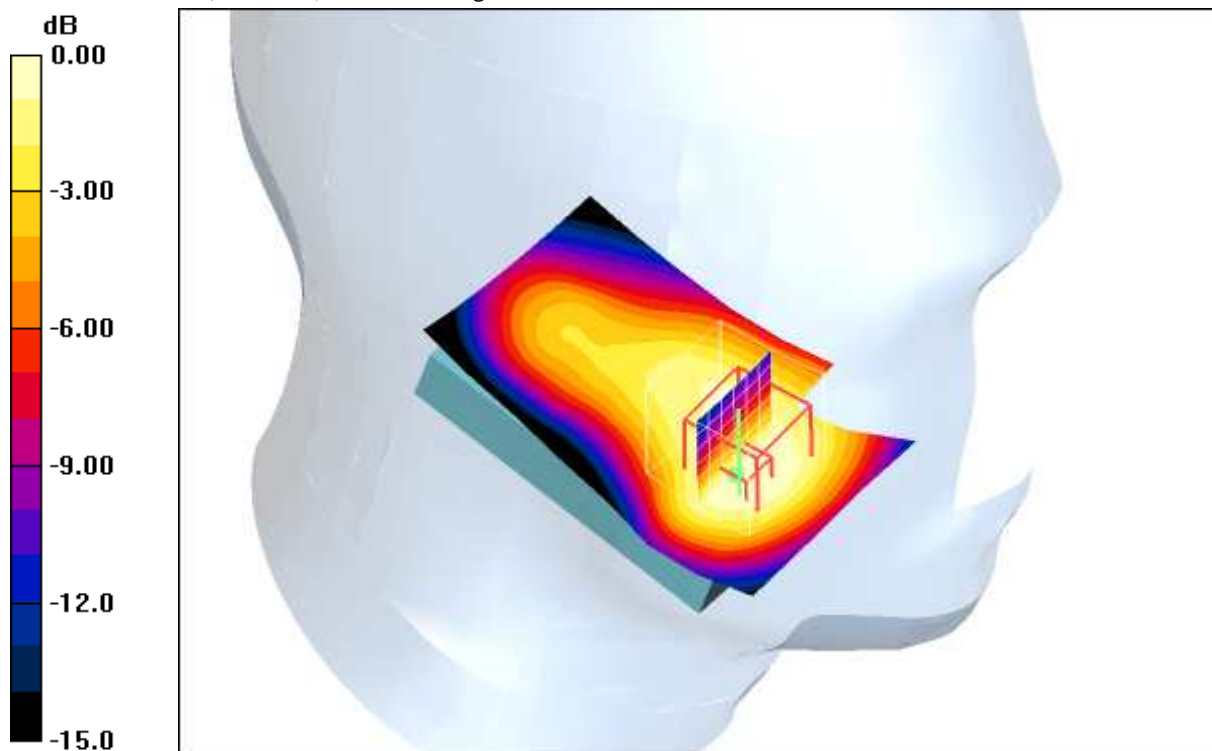
0 dB = 0.616mW/g

Additional information:

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

ambient temperature: 22.9°C; liquid temperature: 21.9°C

Date/Time: 2009-06-03 15:06:05Date/Time: 2009-06-03 15:11:29Date/Time: 2009-06-03 15:23:50

IEEE1528_OET65-LeftHandSide-WCDMA FDD II

DUT: Sony Ericsson; Type: AAD-3880040-BV; Serial: BX900MF7NH

Communication System: WCDMA FDD II; Frequency: 1907.6 MHz; Duty Cycle: 1:1

Medium: HSL1900 Medium parameters used (interpolated): f = 1907.6 MHz; σ = 1.39 mho/m; ε_r = 39.4; ρ = 1000 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: 2009-01-08
- 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=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.648 mW/g

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

Reference Value = 21.4 V/m; Power Drift = 0.011 dB

Peak SAR (extrapolated) = 0.924 W/kg

SAR(1 g) = 0.551 mW/g; SAR(10 g) = 0.337 mW/g

Maximum value of SAR (measured) = 0.600 mW/g

Touch position - High/Zoom Scan (7x7x7) (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 21.4 V/m; Power Drift = 0.011 dB

Peak SAR (extrapolated) = 0.837 W/kg

SAR(1 g) = 0.489 mW/g; SAR(10 g) = 0.314 mW/g

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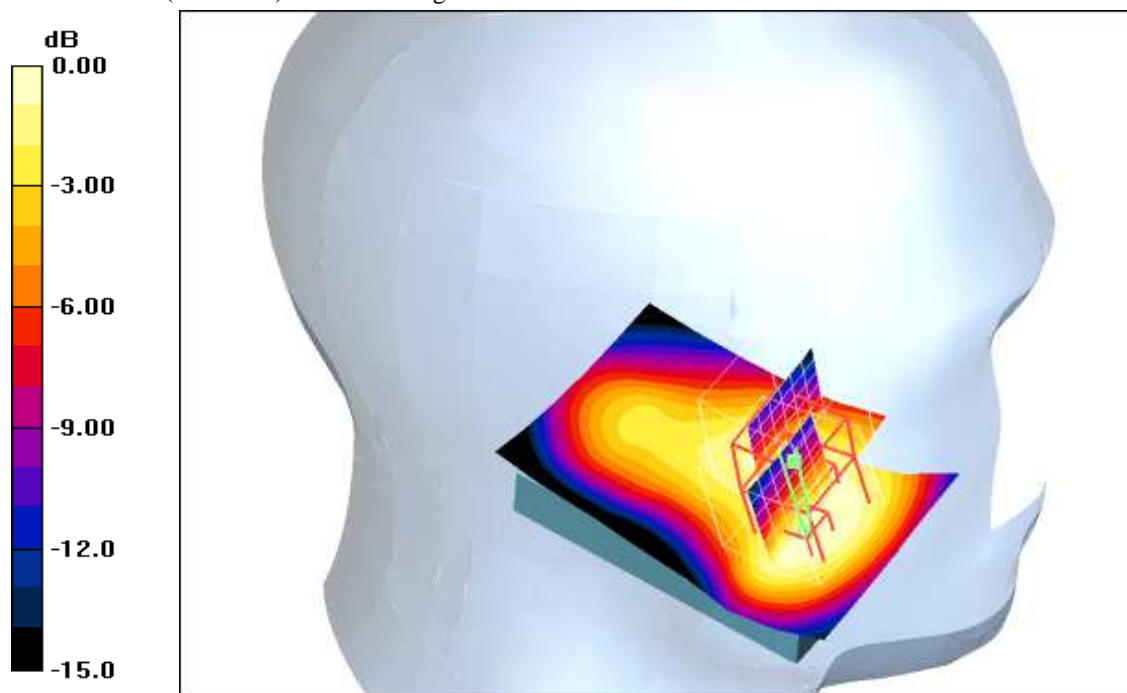
0 dB = 0.575mW/g

Additional information:

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

ambient temperature: 22.9°C; liquid temperature: 21.9°C

Date/Time: 2009-06-03 18:03:18Date/Time: 2009-06-03 18:09:22

IEEE1528_OET65-LeftHandSide-WCDMA FDD II

DUT: Sony Ericsson; Type: AAD-3880040-BV; Serial: BX900MF7NH

Communication System: WCDMA FDD II; Frequency: 1852.5 MHz;Duty Cycle: 1:1

Medium: HSL1900 Medium parameters used (interpolated): f = 1852.5 MHz; σ = 1.39 mho/m; ε_r = 39.4; ρ = 1000 kg/m³

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: 2009-01-08
- 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=15mm, dy=15mm

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

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

Reference Value = 15.9 V/m; Power Drift = -0.119 dB

Peak SAR (extrapolated) = 0.518 W/kg

SAR(1 g) = 0.341 mW/g; SAR(10 g) = 0.201 mW/g
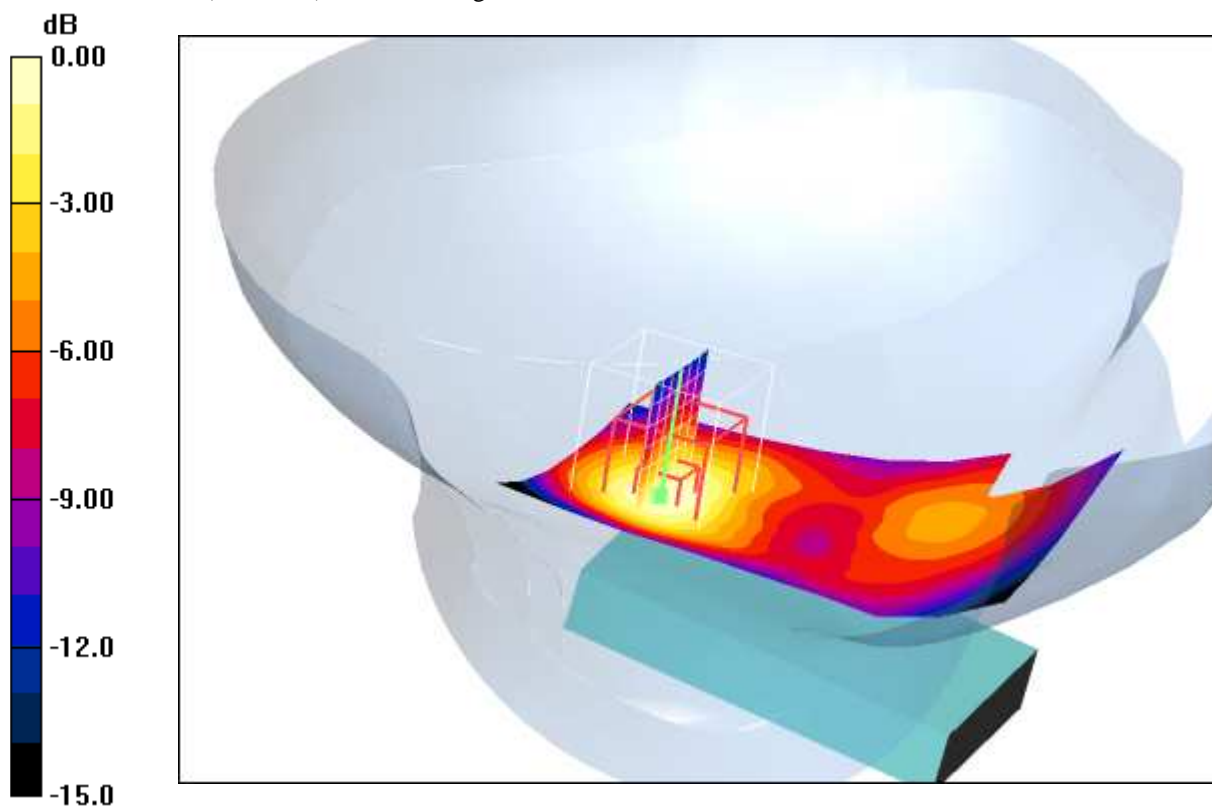
Maximum value of SAR (measured) = 0.380 mW/g

0 dB = 0.380mW/g

Additional information:

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

ambient temperature: 22.9°C; liquid temperature: 21.9°C

Date/Time: 2009-06-03 18:37:00Date/Time: 2009-06-03 18:43:05

IEEE1528_OET65-LeftHandSide-WCDMA FDD II

DUT: Sony Ericsson; Type: AAD-3880040-BV; Serial: BX900MF7NH

Communication System: WCDMA FDD II; Frequency: 1880 MHz;Duty Cycle: 1:1

Medium: HSL1900 Medium parameters used: f = 1880 MHz; σ = 1.39 mho/m; ε_r = 39.4; ρ = 1000 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: 2009-01-08
- 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=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.406 mW/g

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

Reference Value = 16.6 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.566 W/kg

SAR(1 g) = 0.373 mW/g; SAR(10 g) = 0.222 mW/g

Maximum value of SAR (measured) = 0.412 mW/g

0 dB = 0.412mW/g

Additional information:

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

ambient temperature: 22.9°C; liquid temperature: 21.9°C

Date/Time: 2009-06-03 18:56:26Date/Time: 2009-06-03 19:03:56

IEEE1528_OET65-LeftHandSide-WCDMA FDD II

DUT: Sony Ericsson; Type: AAD-3880040-BV; Serial: BX900MF7NH

Communication System: WCDMA FDD II; Frequency: 1907.6 MHz;Duty Cycle: 1:1

Medium: HSL1900 Medium parameters used (interpolated): f = 1907.6 MHz; σ = 1.39 mho/m; ε_r = 39.4; ρ = 1000 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: 2009-01-08
- 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=15mm, dy=15mm
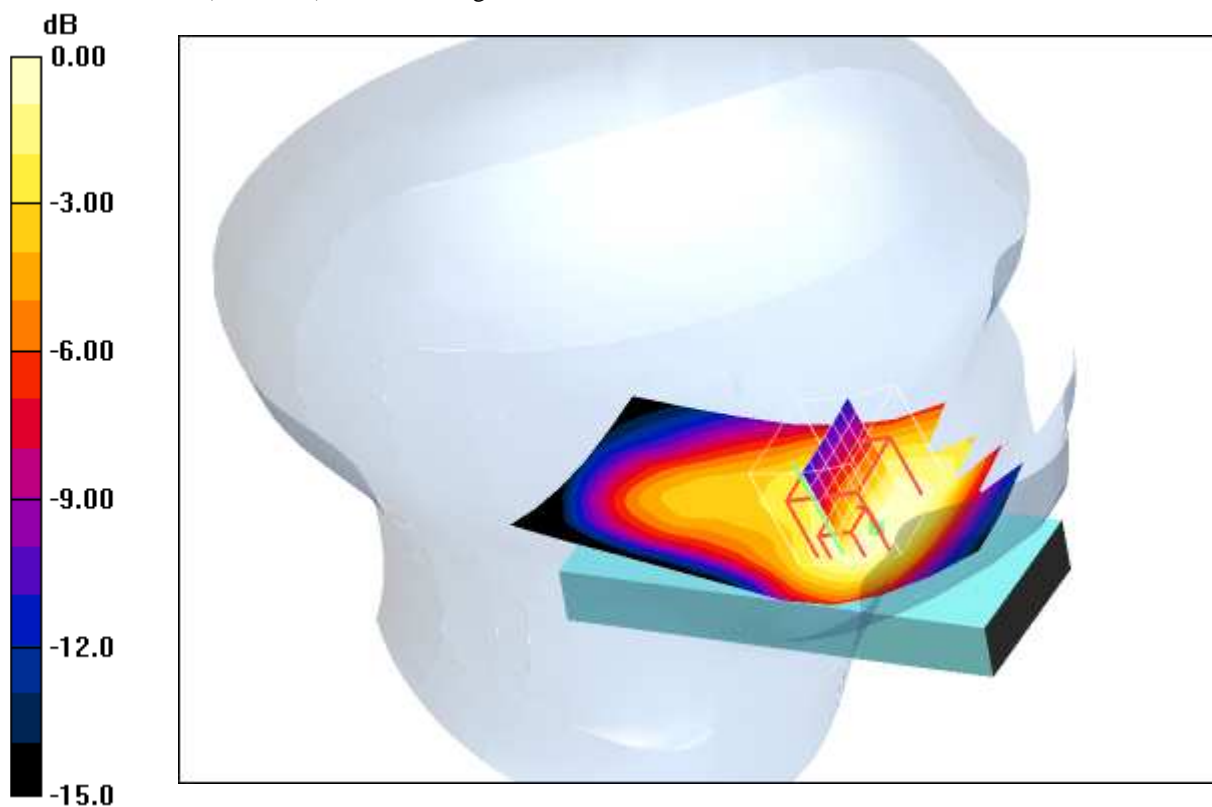
Maximum value of SAR (interpolated) = 0.403 mW/g

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

Reference Value = 16.3 V/m; Power Drift = -0.017 dB

Peak SAR (extrapolated) = 0.555 W/kg

SAR(1 g) = 0.363 mW/g; SAR(10 g) = 0.215 mW/g

Maximum value of SAR (measured) = 0.400 mW/g

0 dB = 0.400mW/g

Additional information:

position or distance of DUT to SAM (if not standard head positions) :
ambient temperature: 22.9°C; liquid temperature: 21.9°C

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IEEE1528_OET65-LeftHandSide-WCDMA FDD II open

DUT: Sony Ericsson; Type: AAD-3880040-BV; Serial: BX900MF7NH

Communication System: WCDMA FDD II; Frequency: 1852.5 MHz;Duty Cycle: 1:1

Medium: HSL1900 Medium parameters used (interpolated): f = 1852.5 MHz; σ = 1.39 mho/m; ε_r = 39.4; ρ = 1000 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: 2009-01-08
- 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=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.448 mW/g

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

Reference Value = 18.4 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.675 W/kg

SAR(1 g) = 0.436 mW/g; SAR(10 g) = 0.273 mW/g

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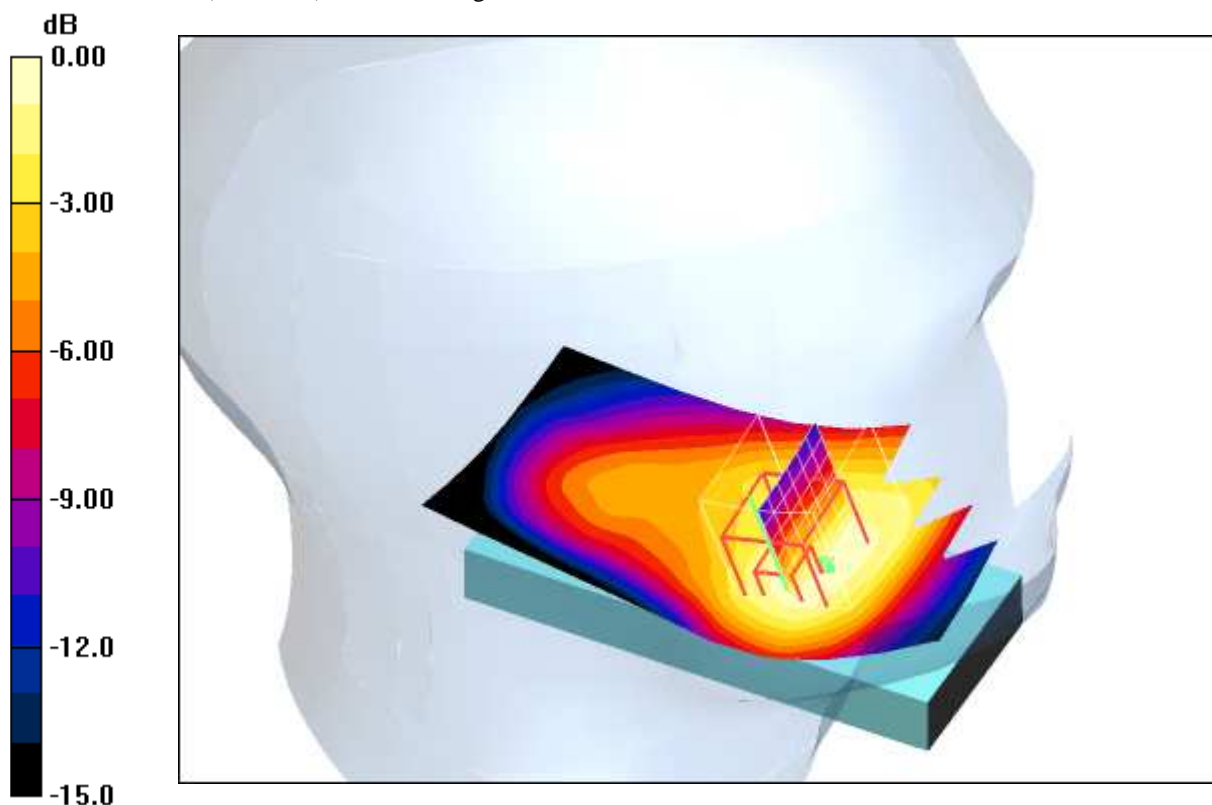
0 dB = 0.471mW/g

Additional information:

position or distance of DUT to SAM (if not standard head positions) :
ambient temperature: 23.0°C; liquid temperature: 21.8°C

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Date/Time: 2009-06-03 16:07:29Date/Time: 2009-06-03 16:13:51

IEEE1528_OET65-LeftHandSide-WCDMA FDD II open

DUT: Sony Ericsson; Type: AAD-3880040-BV; Serial: BX900MF7NH

Communication System: WCDMA FDD II; Frequency: 1880 MHz;Duty Cycle: 1:1

Medium: HSL1900 Medium parameters used: f = 1880 MHz; σ = 1.39 mho/m; ε_r = 39.4; ρ = 1000 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: 2009-01-08
- 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=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.472 mW/g

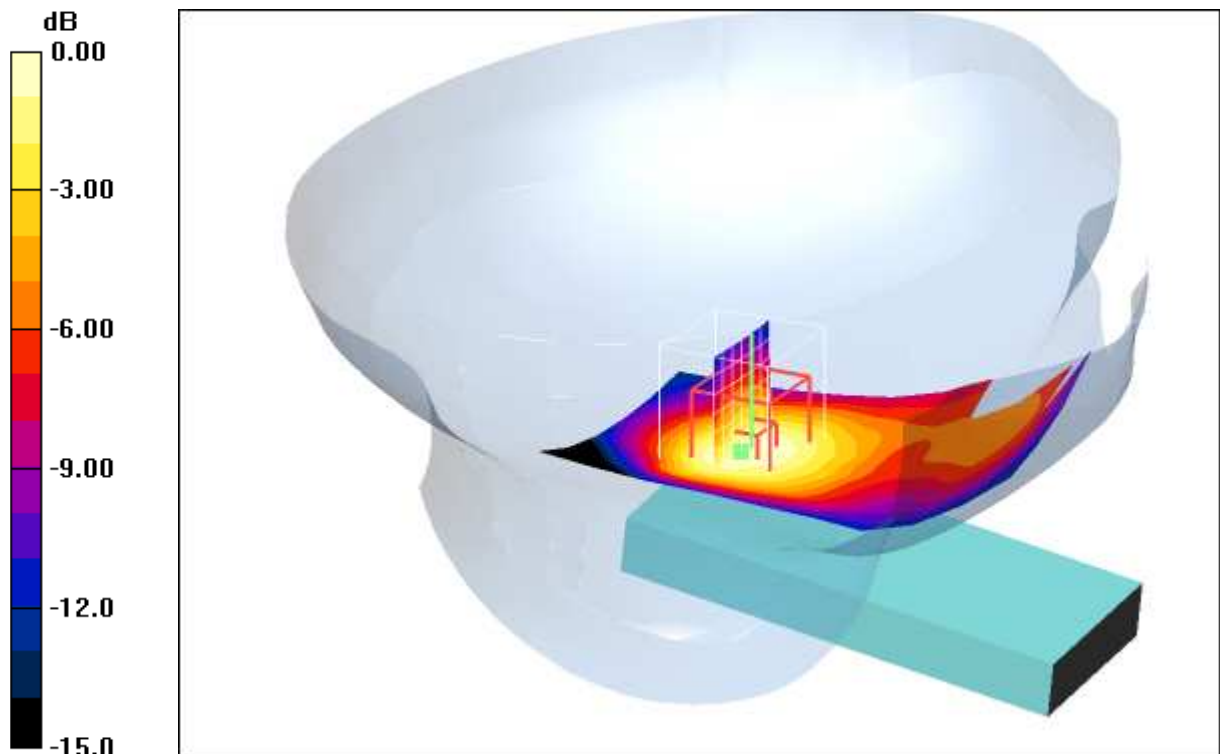## Touch position - Middle/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 18.6 V/m; Power Drift = 0.032 dB

Peak SAR (extrapolated) = 0.698 W/kg

SAR(1 g) = 0.453 mW/g; SAR(10 g) = 0.287 mW/g

Maximum value of SAR (measured) = 0.482 mW/g
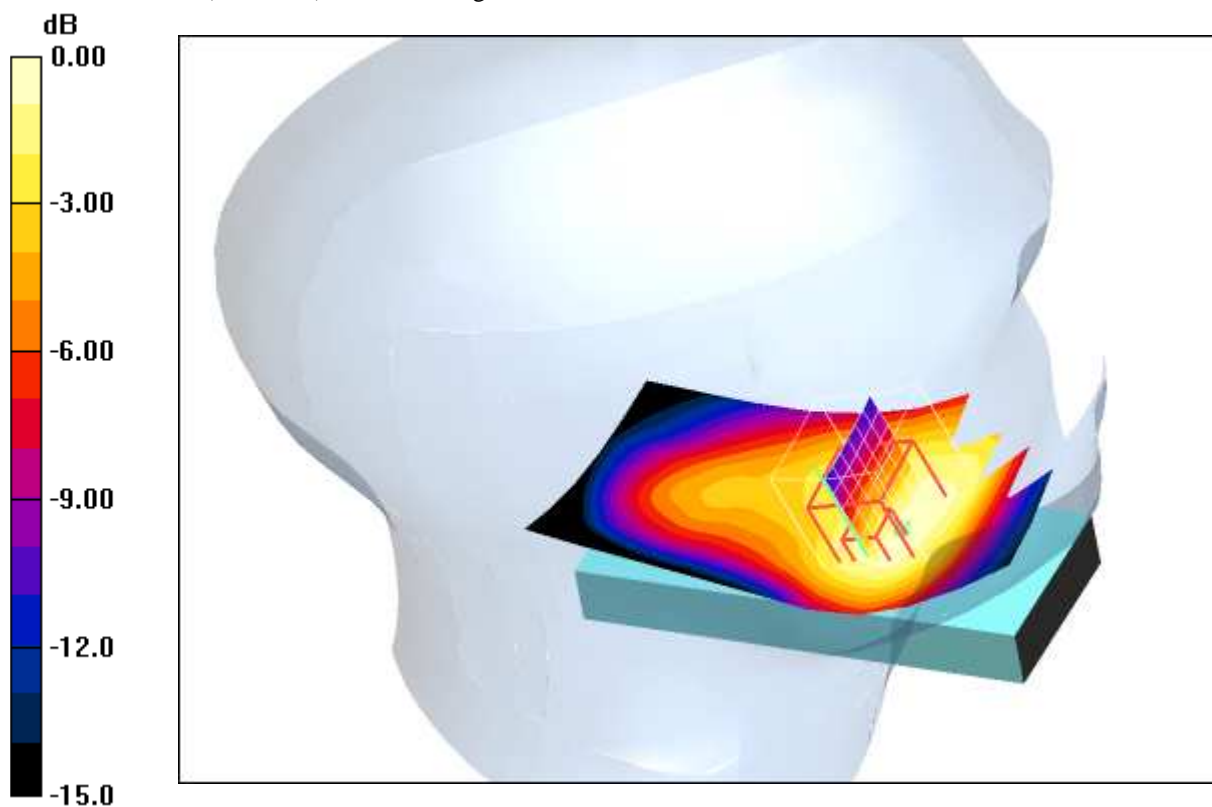
0 dB = 0.482mW/g

Additional information:

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

ambient temperature: 23.0°C; liquid temperature: 21.8°C

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Date/Time: 2009-06-03 16:28:51Date/Time: 2009-06-03 16:35:25

IEEE1528_OET65-LeftHandSide-WCDMA FDD II open

DUT: Sony Ericsson; Type: AAD-3880040-BV; Serial: BX900MF7NH

Communication System: WCDMA FDD II; Frequency: 1907.6 MHz;Duty Cycle: 1:1

Medium: HSL1900 Medium parameters used (interpolated): f = 1907.6 MHz; σ = 1.39 mho/m; ε_r = 39.4; ρ = 1000 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: 2009-01-08
- 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=15mm, dy=15mm

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

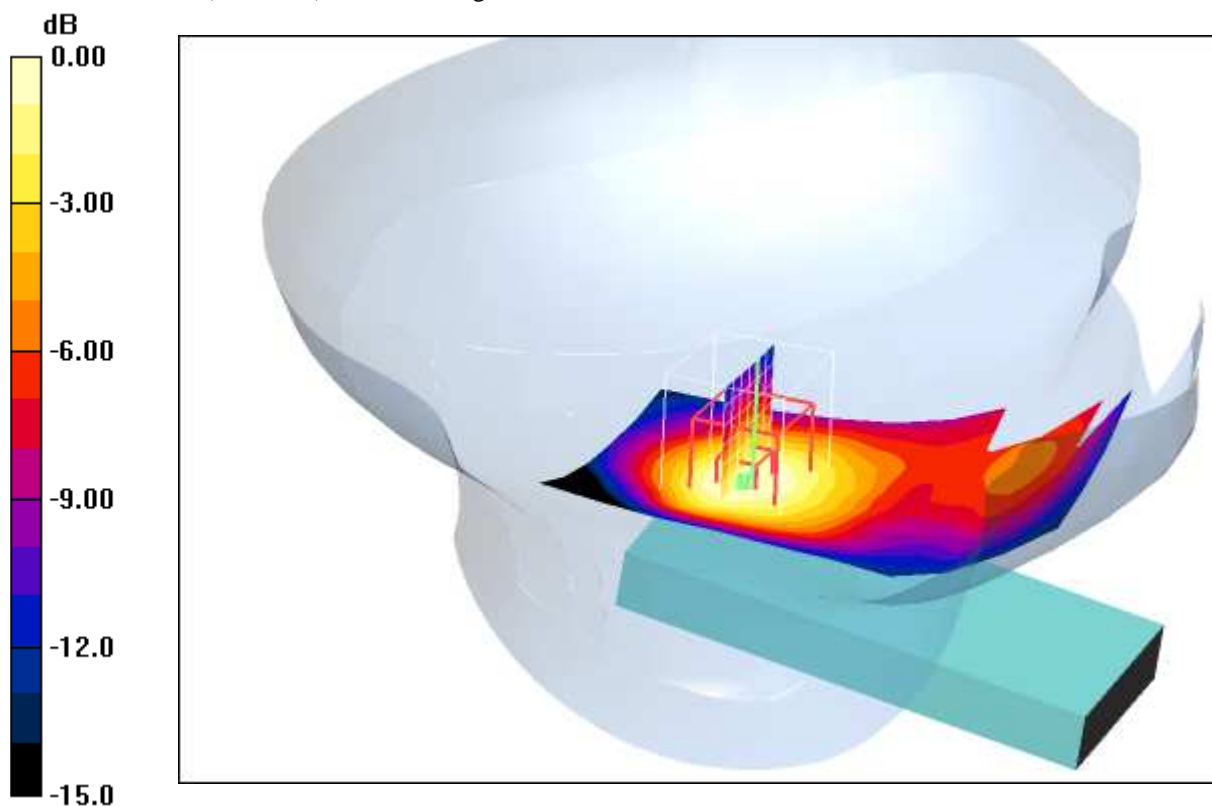## Touch position - High/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 17.7 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 0.626 W/kg

SAR(1 g) = 0.406 mW/g; SAR(10 g) = 0.260 mW/g

Maximum value of SAR (measured) = 0.433 mW/g

0 dB = 0.433mW/g

Additional information:

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

ambient temperature: 23.0°C; liquid temperature: 21.8°C

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IEEE1528_OET65-LeftHandSide-WCDMA FDD II open

DUT: Sony Ericsson; Type: AAD-3880040-BV; Serial: BX900MF7NH

Communication System: WCDMA FDD II; Frequency: 1852.5 MHz;Duty Cycle: 1:1

Medium: HSL1900 Medium parameters used (interpolated): f = 1852.5 MHz; σ = 1.39 mho/m; ε_r = 39.4; ρ = 1000 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: 2009-01-08
- 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=15mm, dy=15mm

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

Tilt position - Low/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
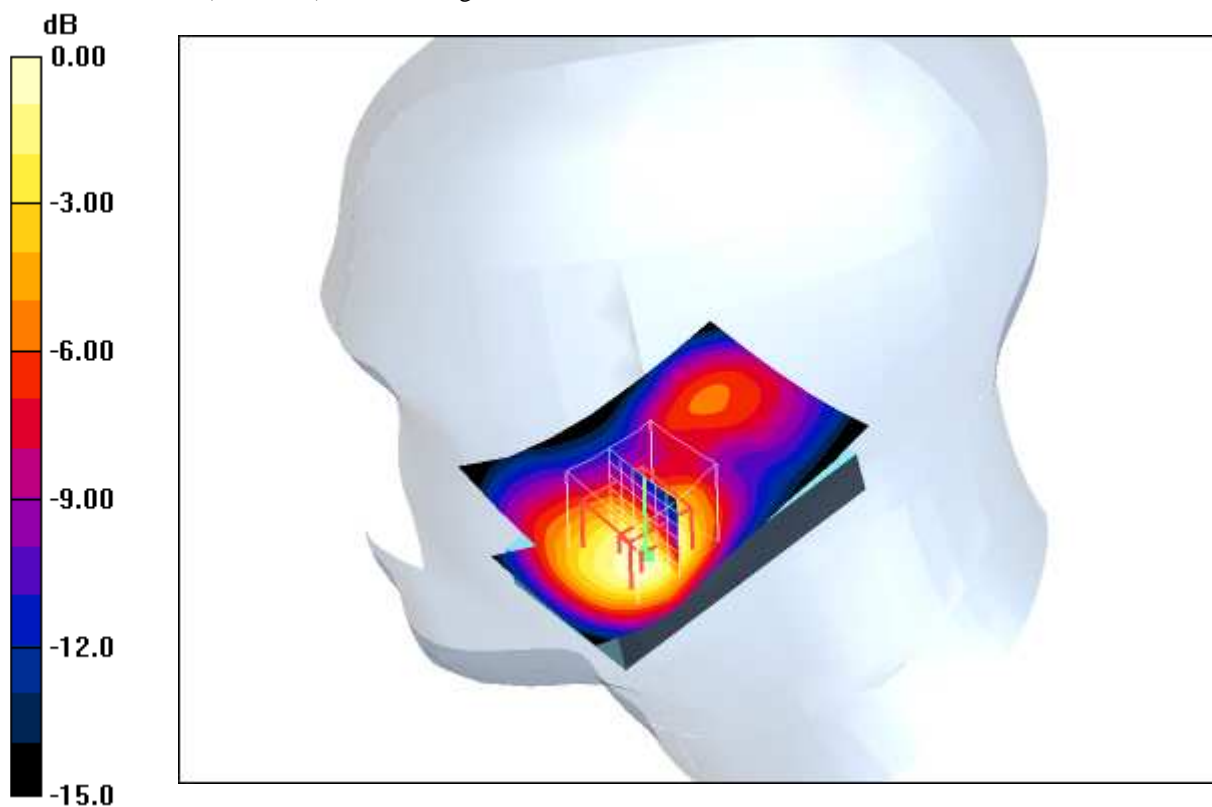
Reference Value = 14.7 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 0.439 W/kg

SAR(1 g) = 0.298 mW/g; SAR(10 g) = 0.189 mW/g

Maximum value of SAR (measured) = 0.323 mW/g
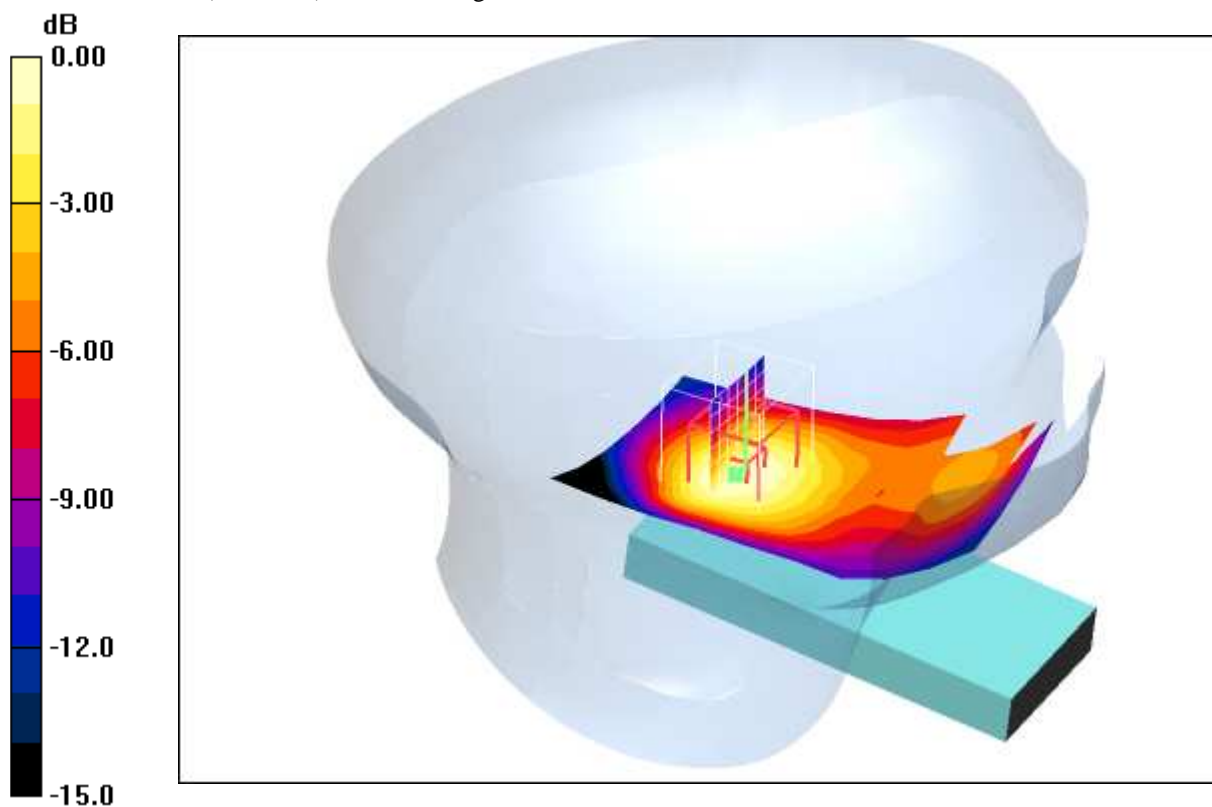
0 dB = 0.323mW/g

Additional information:

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

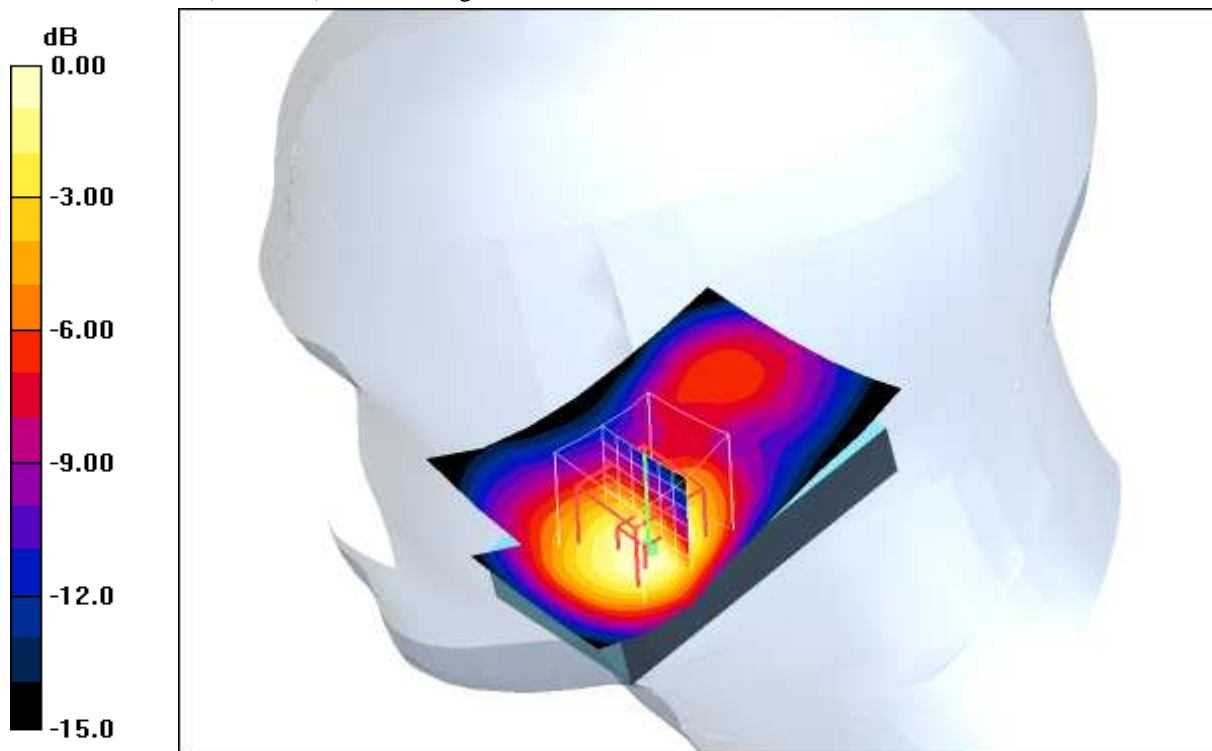ambient temperature: 23.0°C; liquid temperature: 21.8°C

CETECOM ICT Services GmbH

Date/Time: 2009-06-03 17:12:48Date/Time: 2009-06-03 17:19:18

IEEE1528_OET65-LeftHandSide-WCDMA FDD II open

DUT: Sony Ericsson; Type: AAD-3880040-BV; Serial: BX900MF7NH

Communication System: WCDMA FDD II; Frequency: 1880 MHz;Duty Cycle: 1:1

Medium: HSL1900 Medium parameters used: f = 1880 MHz; σ = 1.39 mho/m; ε_r = 39.4; ρ = 1000 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: 2009-01-08
- 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=15mm, dy=15mm

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

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

dz=5mm

Reference Value = 15.7 V/m; Power Drift = 0.012 dB

Peak SAR (extrapolated) = 0.499 W/kg

SAR(1 g) = 0.339 mW/g; SAR(10 g) = 0.213 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: 23.0°C; liquid temperature: 21.8°C

CETECOM ICT Services GmbH

IEEE1528_OET65-LeftHandSide-WCDMA FDD II open

DUT: Sony Ericsson; Type: AAD-3880040-BV; Serial: BX900MF7NH
Communication System: WCDMA FDD II; Frequency: 1907.6 MHz;Duty Cycle: 1:1
Medium: HSL1900 Medium parameters used (interpolated): f = 1907.6 MHz; σ = 1.39 mho/m; $ε_r$ = 39.4; ρ = 1000 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: 2009-01-08
- 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=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.400 mW/g

Tilt position - High/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 15.9 V/m; Power Drift = 0.011 dB
Peak SAR (extrapolated) = 0.510 W/kg
SAR(1 g) = 0.340 mW/g; SAR(10 g) = 0.210 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: 23.0°C; liquid temperature: 21.8°C

CETECOM ICT Services GmbH

IEEE1528_OET65-RightHandSide-WCDMA FDD II

DUT: Sony Ericsson; Type: AAD-3880040-BV; Serial: BX900MF7NH

Communication System: WCDMA FDD II; Frequency: 1852.5 MHz; Duty Cycle: 1:1

Medium: HSL1900 Medium parameters used (interpolated): f = 1852.5 MHz; σ = 1.39 mho/m; ε_r = 39.4; ρ = 1000 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: 2009-01-08
- 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) = 1.24 mW/g

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

Reference Value = 28.1 V/m; Power Drift = -0.108 dB

Peak SAR (extrapolated) = 1.80 W/kg

SAR(1 g) = 1.08 mW/g; SAR(10 g) = 0.620 mW/g

Maximum value of SAR (measured) = 1.18 mW/g

0 dB = 1.18mW/g

Additional information:

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

ambient temperature: 23.7°C; liquid temperature: 22.7°C

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IEEE1528_OET65-RightHandSide-WCDMA FDD II

DUT: Sony Ericsson; Type: AAD-3880040-BV; Serial: BX900MF7NH

Communication System: WCDMA FDD II; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: HSL1900 Medium parameters used: f = 1880 MHz; σ = 1.39 mho/m; ε_r = 39.4; ρ = 1000 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: 2009-01-08
- 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=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.46 mW/g

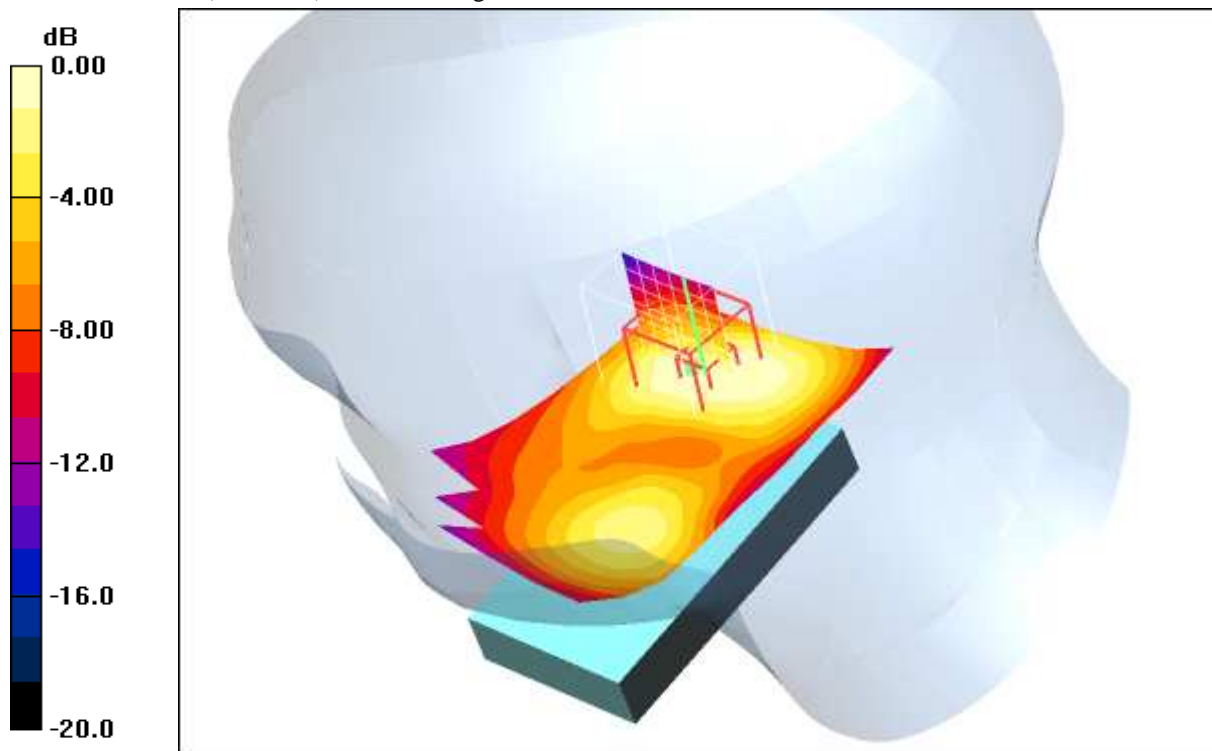## Touch position - Middle/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 30.6 V/m; Power Drift = 0.030 dB

Peak SAR (extrapolated) = 2.15 W/kg

SAR(1 g) = 1.28 mW/g; SAR(10 g) = 0.735 mW/g

Maximum value of SAR (measured) = 1.38 mW/g

0 dB = 1.38mW/g

Additional information:

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

ambient temperature: 23.7°C; liquid temperature: 22.7°C

CETECOM ICT Services GmbH

Date/Time: 2009-06-03 09:29:12Date/Time: 2009-06-03 09:34:30

IEEE1528_OET65-RightHandSide-WCDMA FDD II

DUT: Sony Ericsson; Type: AAD-3880040-BV; Serial: BX900MF7NH

Communication System: WCDMA FDD II; Frequency: 1907.6 MHz; Duty Cycle: 1:1

Medium: HSL1900 Medium parameters used (interpolated): f = 1907.6 MHz; σ = 1.39 mho/m; ε_r = 39.4; ρ = 1000 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: 2009-01-08
- 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=15mm, dy=15mm

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

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

Reference Value = 29.9 V/m; Power Drift = -0.081 dB

Peak SAR (extrapolated) = 2.04 W/kg

SAR(1 g) = 1.2 mW/g; SAR(10 g) = 0.685 mW/g

Maximum value of SAR (measured) = 1.30 mW/g
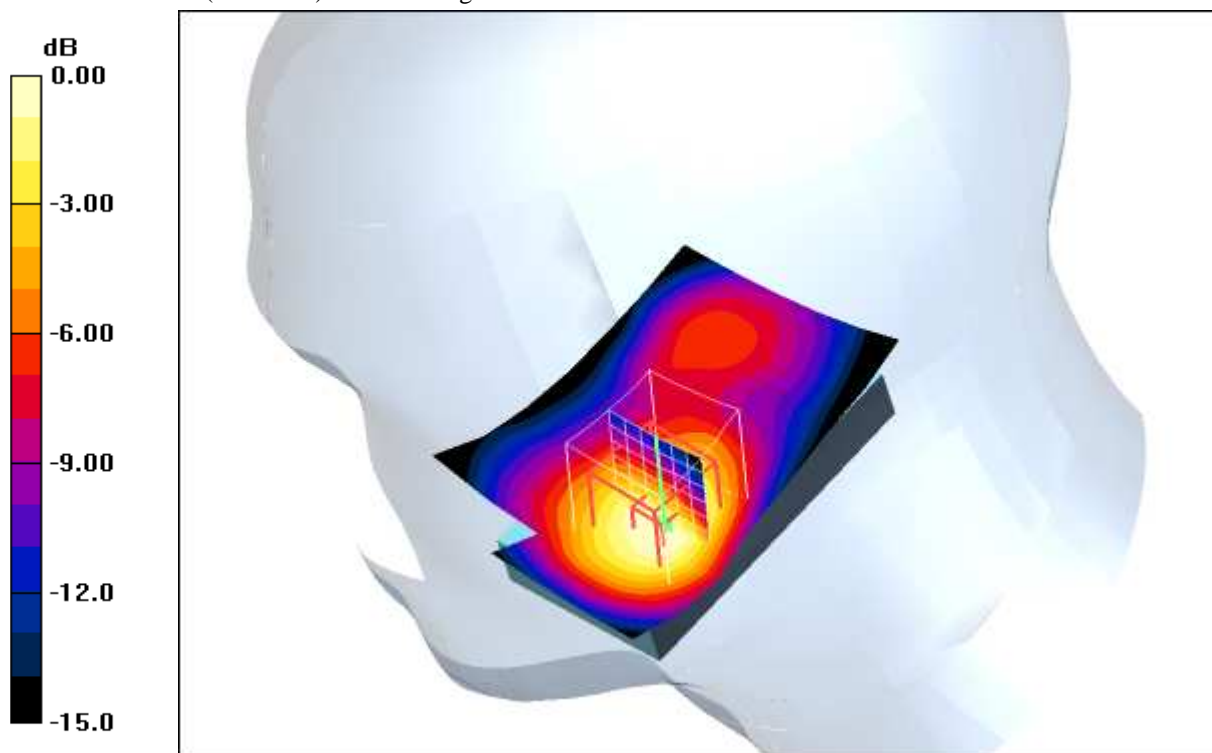
0 dB = 1.30mW/g

Additional information:

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

ambient temperature: 23.7°C; liquid temperature: 22.7°C

CETECOM ICT Services GmbH

Date/Time: 2009-06-03 08:38:54Date/Time: 2009-06-03 08:44:40

IEEE1528_OET65-RightHandSide-WCDMA FDD II

DUT: Sony Ericsson; Type: AAD-3880040-BV; Serial: BX900MF7NH

Communication System: WCDMA FDD II; Frequency: 1852.5 MHz; Duty Cycle: 1:1

Medium: HSL1900 Medium parameters used (interpolated): f = 1852.5 MHz; σ = 1.39 mho/m; ε_r = 39.4; ρ = 1000 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: 2009-01-08
- 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=15mm, dy=15mm

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

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

Reference Value = 14.5 V/m; Power Drift = -0.147 dB

Peak SAR (extrapolated) = 0.444 W/kg

SAR(1 g) = 0.267 mW/g; SAR(10 g) = 0.161 mW/g

Maximum value of SAR (measured) = 0.288 mW/g
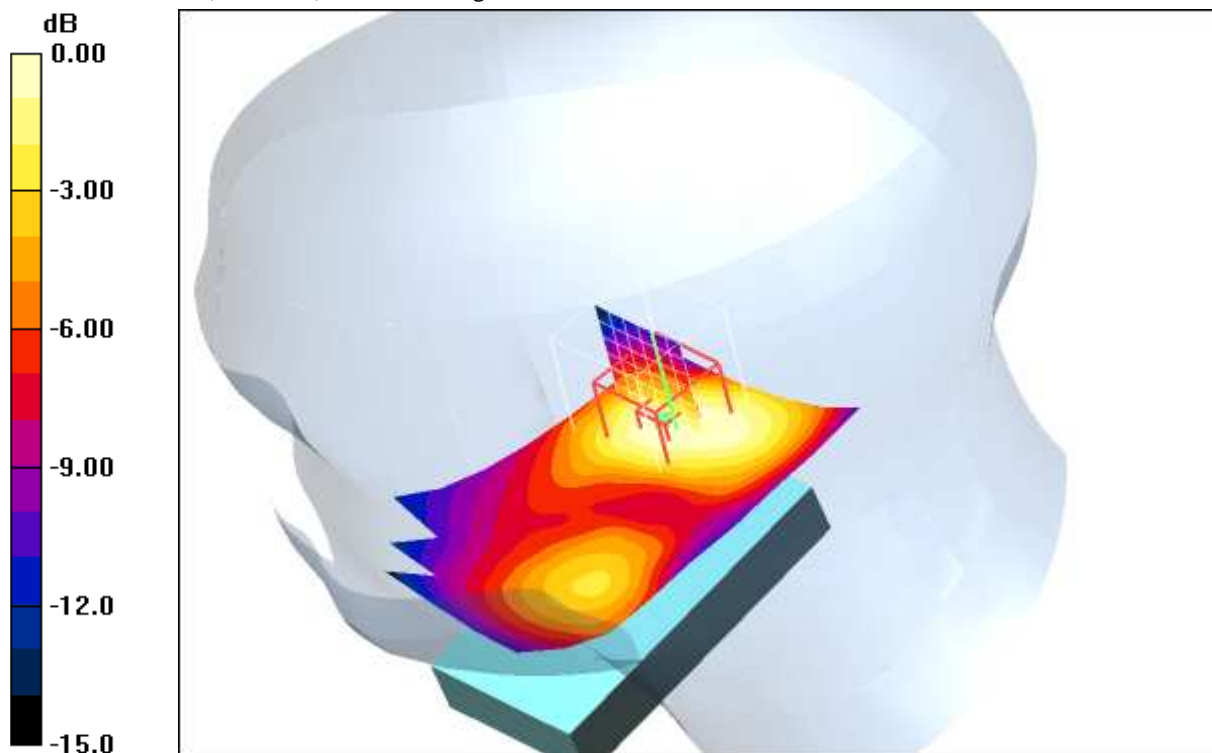
0 dB = 0.288mW/g

Additional information:

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

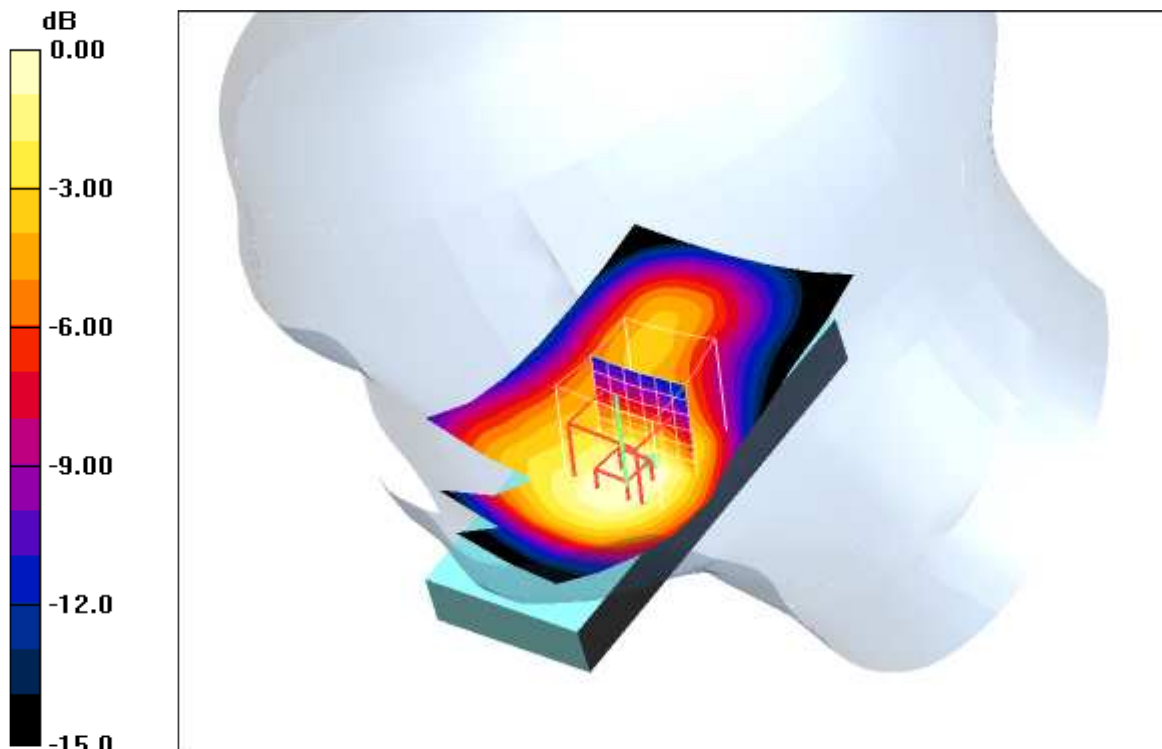ambient temperature: 23.6°C; liquid temperature: 22.7°C

IEEE1528_OET65-RightHandSide-WCDMA FDD II

DUT: Sony Ericsson; Type: AAD-3880040-BV; Serial: BX900MF7NH

Communication System: WCDMA FDD II; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: HSL1900 Medium parameters used: f = 1880 MHz; σ = 1.39 mho/m; ε_r = 39.4; ρ = 1000 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: 2009-01-08
- 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=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.418 mW/g

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

Reference Value = 17.2 V/m; Power Drift = -0.139 dB

Peak SAR (extrapolated) = 0.583 W/kg

SAR(1 g) = 0.342 mW/g; SAR(10 g) = 0.205 mW/g

Maximum value of SAR (measured) = 0.370 mW/g

0 dB = 0.370mW/g

Additional information:

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

ambient temperature: 23.6°C; liquid temperature: 22.2°C

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IEEE1528_OET65-RightHandSide-WCDMA FDD II

DUT: Sony Ericsson; Type: AAD-3880040-BV; Serial: BX900MF7NH

Communication System: WCDMA FDD II; Frequency: 1907.6 MHz; Duty Cycle: 1:1

Medium: HSL1900 Medium parameters used (interpolated): f = 1907.6 MHz; σ = 1.39 mho/m; ε_r = 39.4; ρ = 1000 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: 2009-01-08
- 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=15mm, dy=15mm
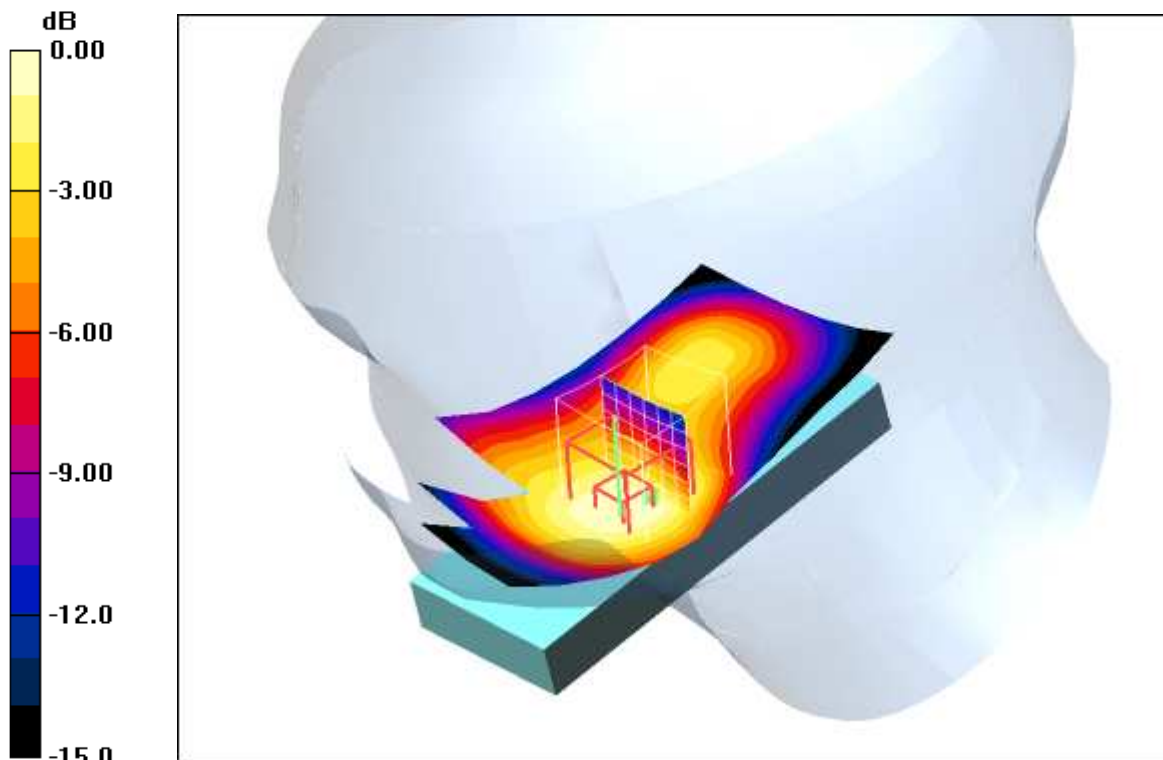
Maximum value of SAR (interpolated) = 0.339 mW/g

Tilt position - High/Zoom Scan (7x7x7) (8x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 15.9 V/m; Power Drift = -0.183 dB

Peak SAR (extrapolated) = 0.467 W/kg

SAR(1 g) = 0.292 mW/g; SAR(10 g) = 0.178 mW/g

Maximum value of SAR (measured) = 0.316 mW/g
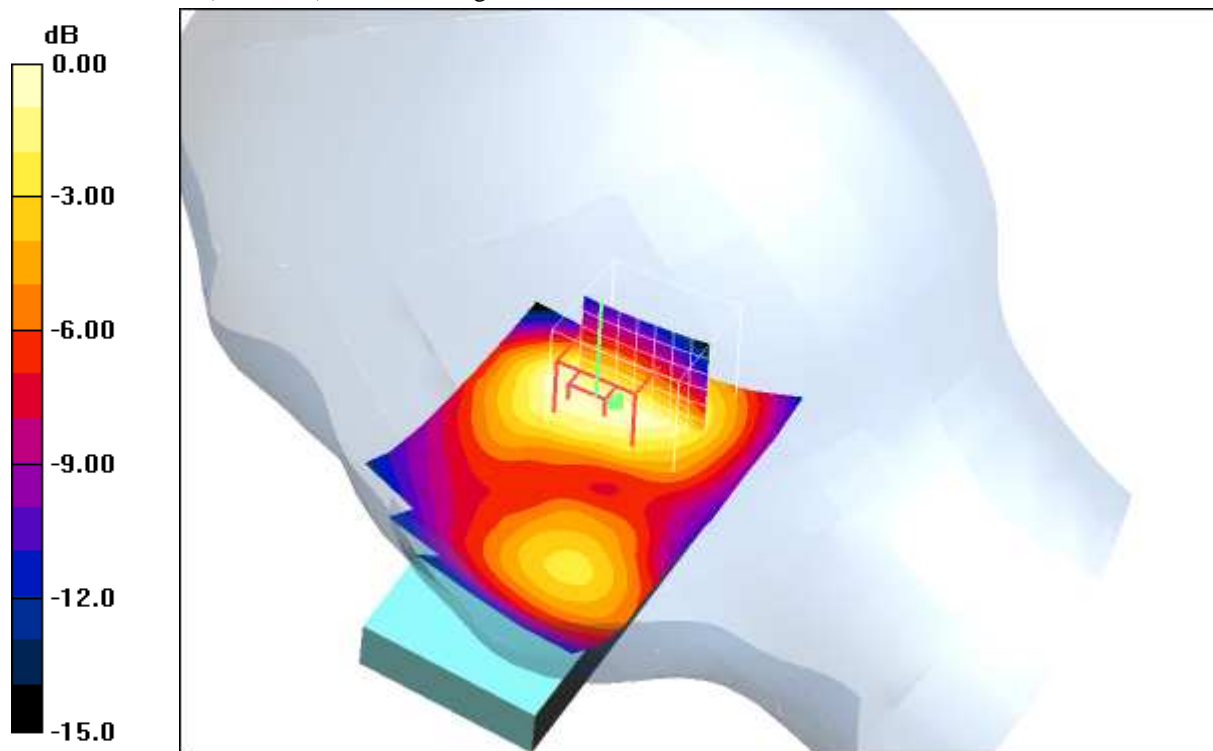
0 dB = 0.316mW/g

Additional information:

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

ambient temperature: 23.6°C; liquid temperature: 22.7°C

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Date/Time: 2009-06-02 18:37:14Date/Time: 2009-06-02 18:43:14

IEEE1528_OET65-RightHandSide-WCDMA FDD II open

DUT: Sony Ericsson; Type: AAD-3880040-BV; Serial: BX900MF7NH

Communication System: WCDMA FDD II; Frequency: 1852.5 MHz;Duty Cycle: 1:1

Medium: HSL1900 Medium parameters used (interpolated): f = 1852.5 MHz; σ = 1.39 mho/m; ε_r = 39.4; ρ = 1000 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: 2009-01-08
- 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=15mm, dy=15mm

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

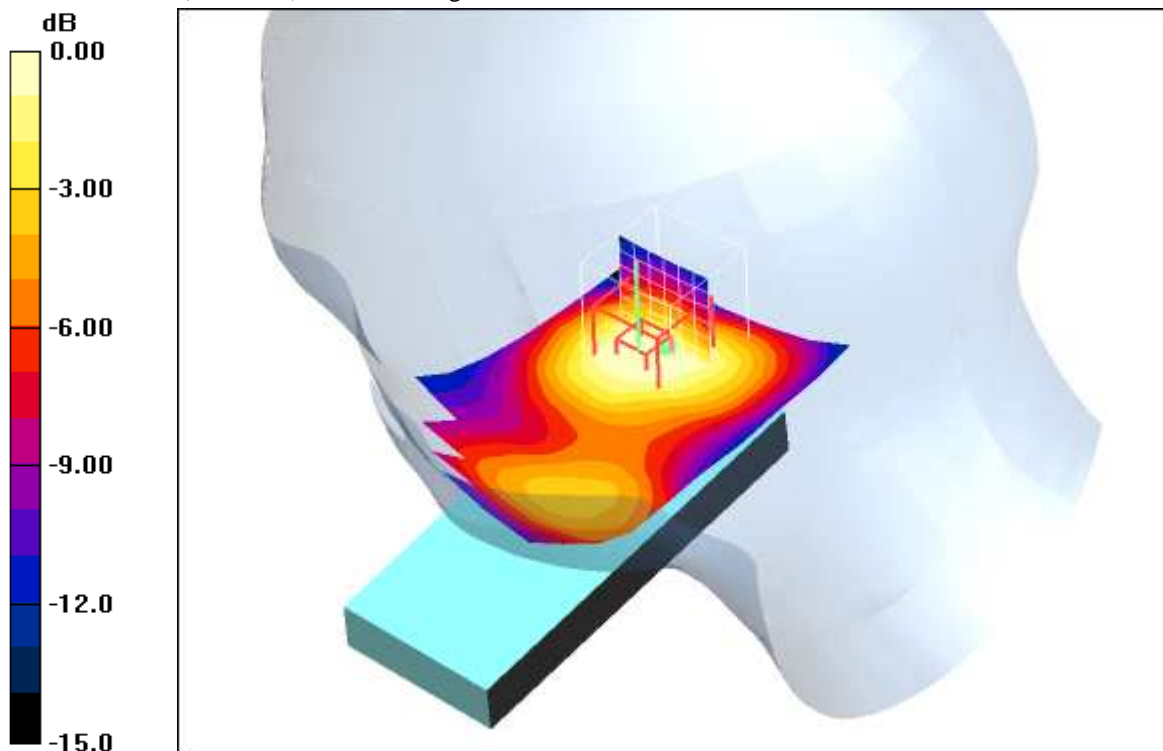## Touch position - Low/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 24.3 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.22 W/kg

SAR(1 g) = 0.761 mW/g; SAR(10 g) = 0.470 mW/g

Maximum value of SAR (measured) = 0.832 mW/g
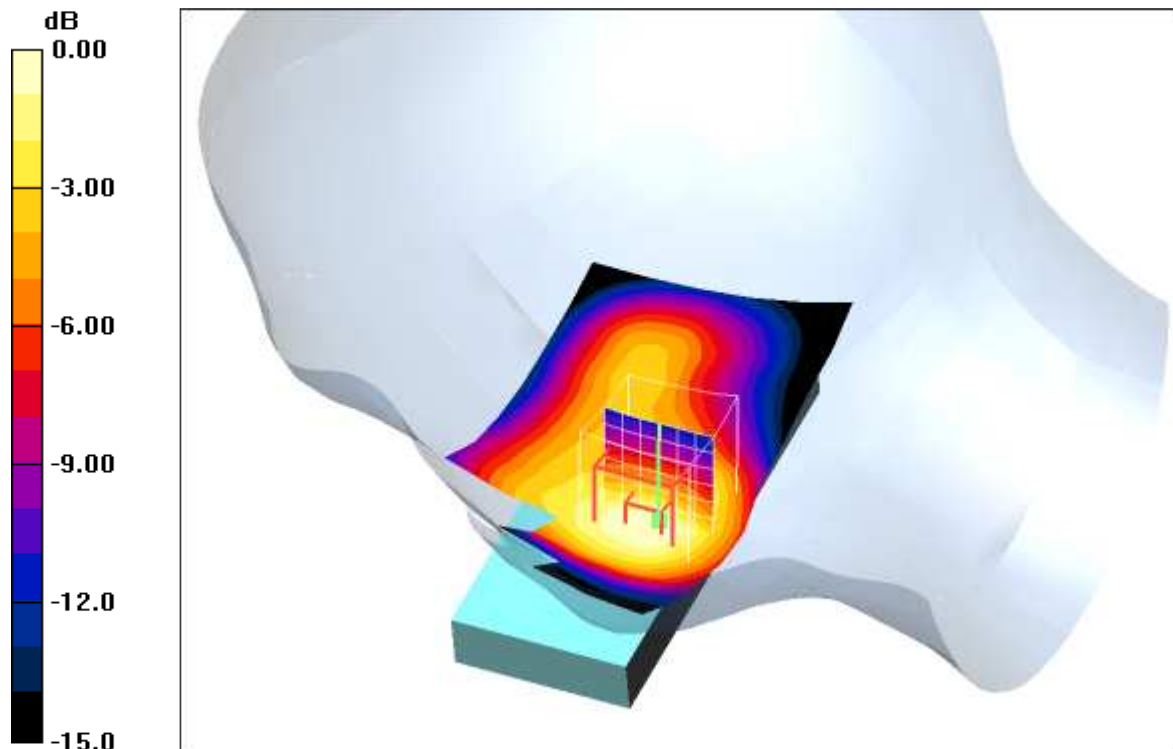
0 dB = 0.832mW/g

Additional information:

position or distance of DUT to SAM (if not standard head positions) :
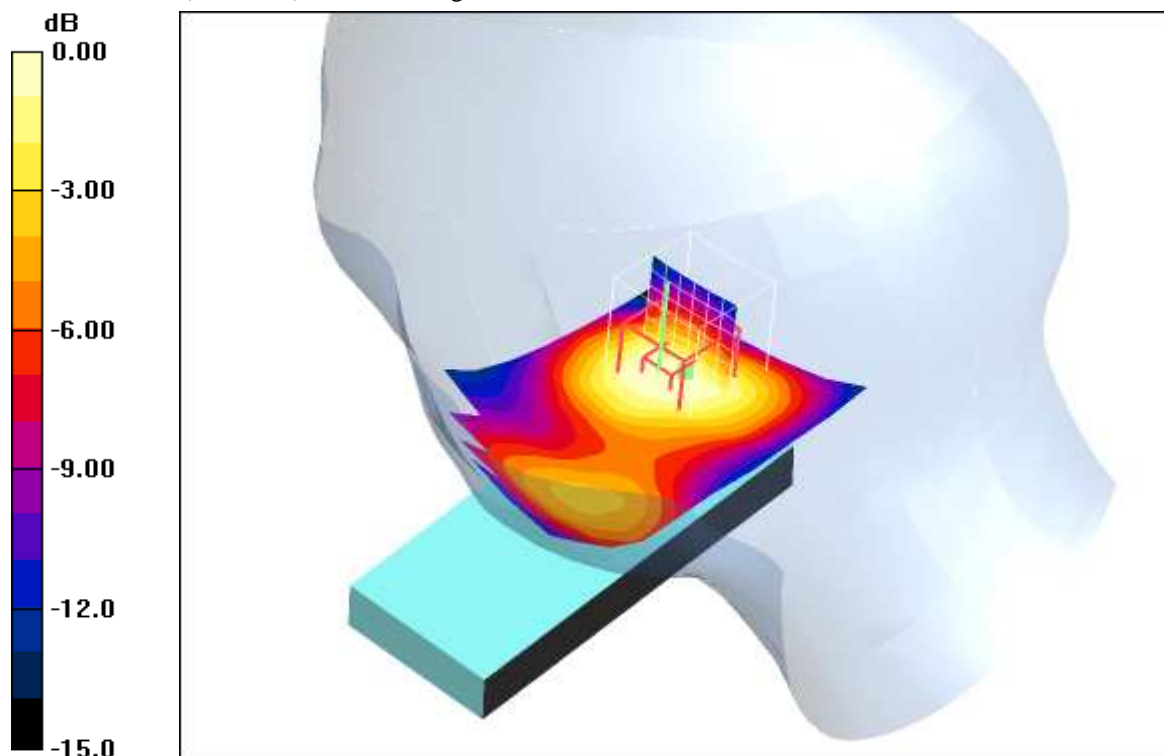
ambient temperature: 23.3°C; liquid temperature: 22.0°C

Date/Time: 2009-06-02 19:00:28Date/Time: 2009-06-02 19:06:35

IEEE1528_OET65-RightHandSide-WCDMA FDD II open

DUT: Sony Ericsson; Type: AAD-3880040-BV; Serial: BX900MF7NH
Communication System: WCDMA FDD II; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: HSL1900 Medium parameters used: f = 1880 MHz; σ = 1.39 mho/m; ε_r = 39.4; ρ = 1000 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: 2009-01-08
- 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=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.904 mW/g

Touch position - Middle/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 25.3 V/m; Power Drift = 0.026 dB
Peak SAR (extrapolated) = 1.37 W/kg
SAR(1 g) = 0.835 mW/g; SAR(10 g) = 0.510 mW/g
Maximum value of SAR (measured) = 0.917 mW/g

0 dB = 0.917mW/g

Additional information:
position or distance of DUT to SAM (if not standard head positions) :
ambient temperature: 23.3°C; liquid temperature: 22.0°C

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Date/Time: 2009-06-02 19:22:08Date/Time: 2009-06-02 19:28:18

IEEE1528_OET65-RightHandSide-WCDMA FDD II open

DUT: Sony Ericsson; Type: AAD-3880040-BV; Serial: BX900MF7NH

Communication System: WCDMA FDD II; Frequency: 1907.6 MHz;Duty Cycle: 1:1

Medium: HSL1900 Medium parameters used (interpolated): f = 1907.6 MHz; σ = 1.39 mho/m; ε_r = 39.4; ρ = 1000 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: 2009-01-08
- 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=15mm, dy=15mm

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

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

Reference Value = 24.1 V/m; Power Drift = -0.011 dB

Peak SAR (extrapolated) = 1.19 W/kg

SAR(1 g) = 0.727 mW/g; SAR(10 g) = 0.448 mW/g

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

0 dB = 0.787mW/g

Additional information:

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

ambient temperature: 23.3°C; liquid temperature: 22.0°C

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IEEE1528_OET65-RightHandSide-WCDMA FDD II open

DUT: Sony Ericsson; Type: AAD-3880040-BV; Serial: BX900MF7NH

Communication System: WCDMA FDD II; Frequency: 1852.5 MHz;Duty Cycle: 1:1

Medium: HSL1900 Medium parameters used (interpolated): f = 1852.5 MHz; σ = 1.39 mho/m; ε_r = 39.4; ρ = 1000 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: 2009-01-08
- 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=15mm, dy=15mm

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

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

Reference Value = 17.0 V/m; Power Drift = -0.033 dB

Peak SAR (extrapolated) = 0.531 W/kg

SAR(1 g) = 0.354 mW/g; SAR(10 g) = 0.219 mW/g

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

0 dB = 0.380mW/g

Additional information:

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

ambient temperature: 23.4°C; liquid temperature: 22.00°C

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Date/Time: 2009-06-02 20:27:45Date/Time: 2009-06-02 20:34:13

IEEE1528_OET65-RightHandSide-WCDMA FDD II open

DUT: Sony Ericsson; Type: AAD-3880040-BV; Serial: BX900MF7NH

Communication System: WCDMA FDD II; Frequency: 1880 MHz;Duty Cycle: 1:1

Medium: HSL1900 Medium parameters used: f = 1880 MHz; σ = 1.39 mho/m; ε_r = 39.4; ρ = 1000 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: 2009-01-08
- 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=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.483 mW/g

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

Reference Value = 17.7 V/m; Power Drift = 0.034 dB

Peak SAR (extrapolated) = 0.585 W/kg

SAR(1 g) = 0.386 mW/g; SAR(10 g) = 0.238 mW/g

Maximum value of SAR (measured) = 0.413 mW/g

0 dB = 0.413mW/g

Additional information:

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

ambient temperature: 23.4°C; liquid temperature: 22.00°C

Date/Time: 2009-06-02 19:44:49Date/Time: 2009-06-02 19:51:40

IEEE1528_OET65-RightHandSide-WCDMA FDD II open

DUT: Sony Ericsson; Type: AAD-3880040-BV; Serial: BX900MF7NH

Communication System: WCDMA FDD II; Frequency: 1907.6 MHz;Duty Cycle: 1:1

Medium: HSL1900 Medium parameters used (interpolated): f = 1907.6 MHz; σ = 1.39 mho/m; ε_r = 39.4; ρ = 1000 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: 2009-01-08
- 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=15mm, dy=15mm

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

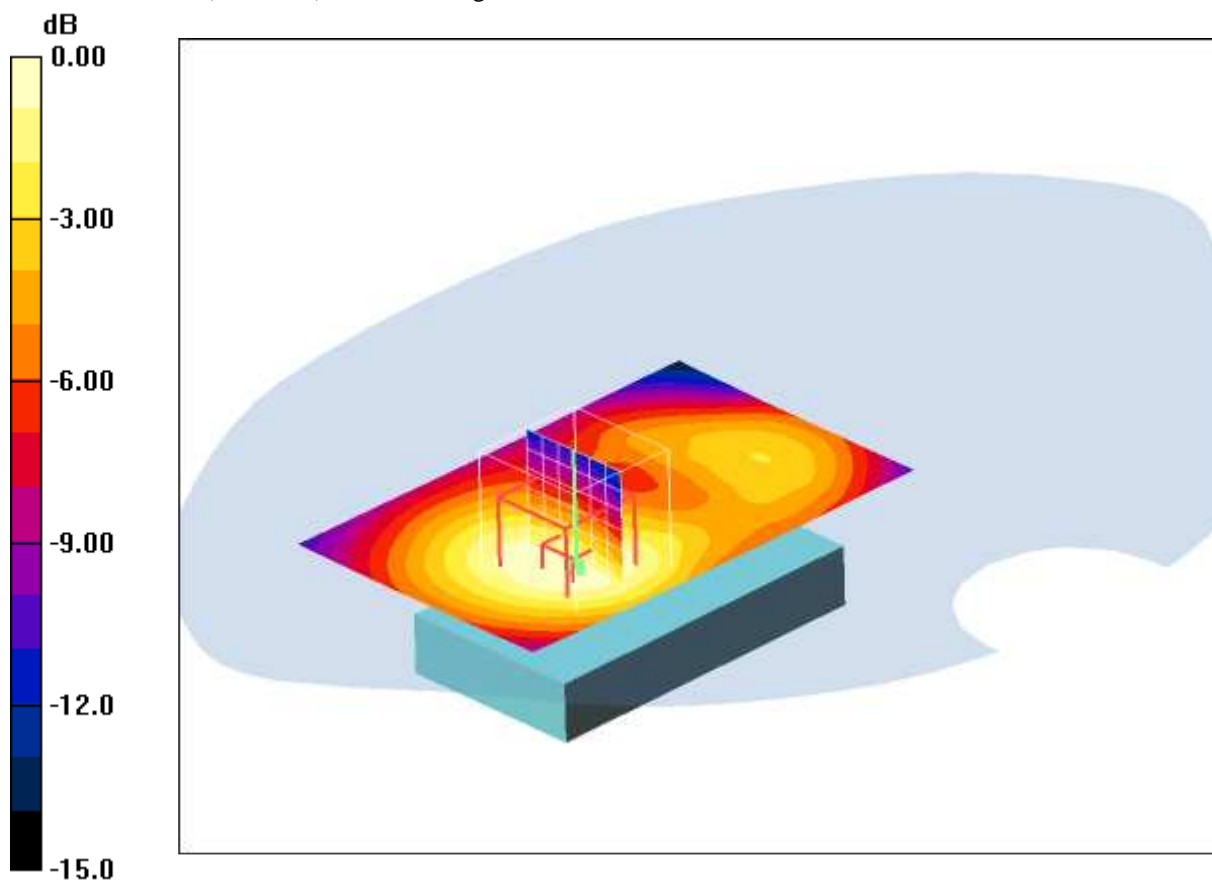## Tilt position - High/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 18.9 V/m; Power Drift = -0.011 dB

Peak SAR (extrapolated) = 0.662 W/kg

SAR(1 g) = 0.433 mW/g; SAR(10 g) = 0.261 mW/g

Maximum value of SAR (measured) = 0.467 mW/g
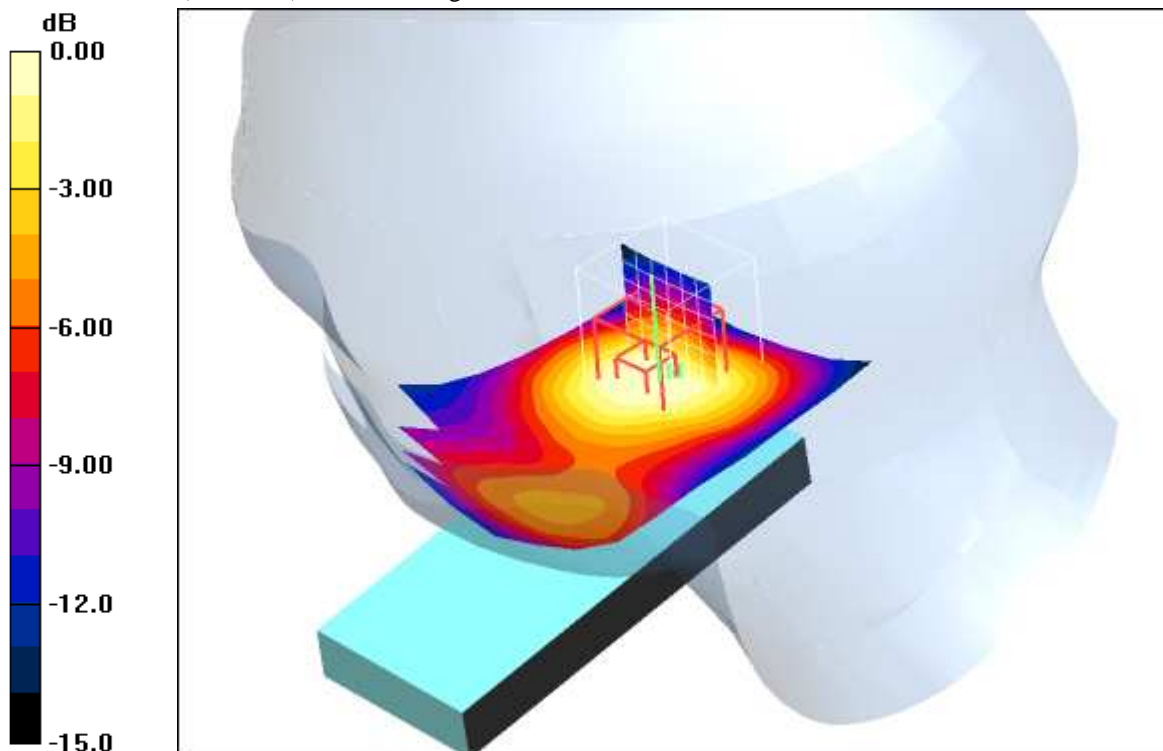
0 dB = 0.467mW/g

Additional information:

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

ambient temperature: 23.4°C; liquid temperature: 22.00°C

Annex 2.6   UMTS (WCDMA) FDD II 1850 MHz body

Date/Time: 2009-06-09 09:24:52Date/Time: 2009-06-09 09:30:45

IEEE1528_OET65-Body-WCDMA FDD II

DUT: Sony Ericsson; Type: AAD-3880040-BV; Serial: BX900MF7NH

Communication System: WCDMA FDD II; Frequency: 1852.5 MHz; Duty Cycle: 1:1

Medium: M1900 Medium parameters used (interpolated): f = 1852.5 MHz; σ = 1.47 mho/m; ε_r = 53.1; ρ = 1000 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: 2009-01-08
- 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=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.150 mW/g

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

Reference Value = 10.2 V/m; Power Drift = -0.011 dB

Peak SAR (extrapolated) = 0.221 W/kg

SAR(1 g) = 0.137 mW/g; SAR(10 g) = 0.089 mW/g

Maximum value of SAR (measured) = 0.147 mW/g
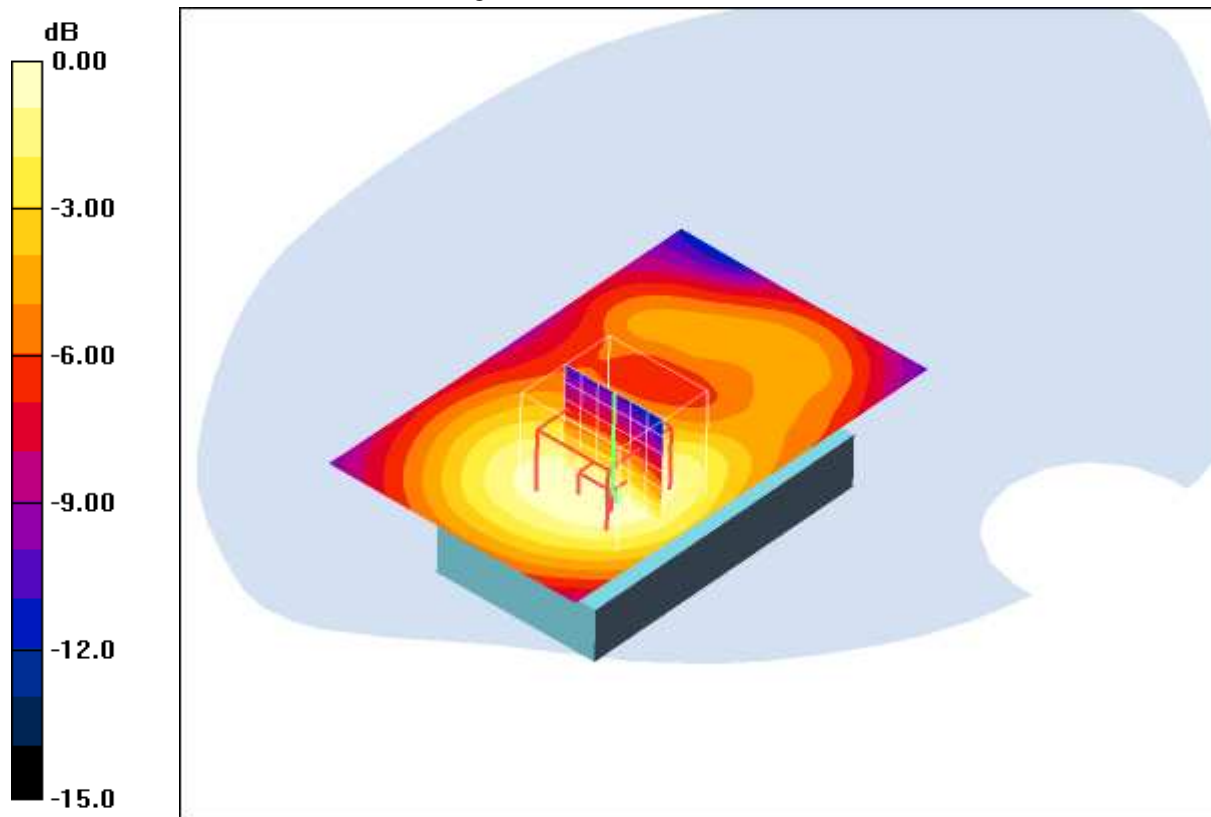
0 dB = 0.147mW/g

Additional information:

position or distance of DUT to SAM: 15 mm

ambient temperature: 23.3°C; liquid temperature: 21.8°C

Date/Time: 2009-06-09 09:45:32Date/Time: 2009-06-09 09:51:45

IEEE1528_OET65-Body-WCDMA FDD II

DUT: Sony Ericsson; Type: AAD-3880040-BV; Serial: BX900MF7NH
Communication System: WCDMA FDD II; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: M1900 Medium parameters used: f = 1880 MHz; σ = 1.47 mho/m; ε_r = 53.1; ρ = 1000 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: 2009-01-08
- 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=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.168 mW/g

## Front position - Middle/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 10.7 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.252 W/kg
SAR(1 g) = 0.153 mW/g; SAR(10 g) = 0.097 mW/g
Maximum value of SAR (measured) = 0.163 mW/g
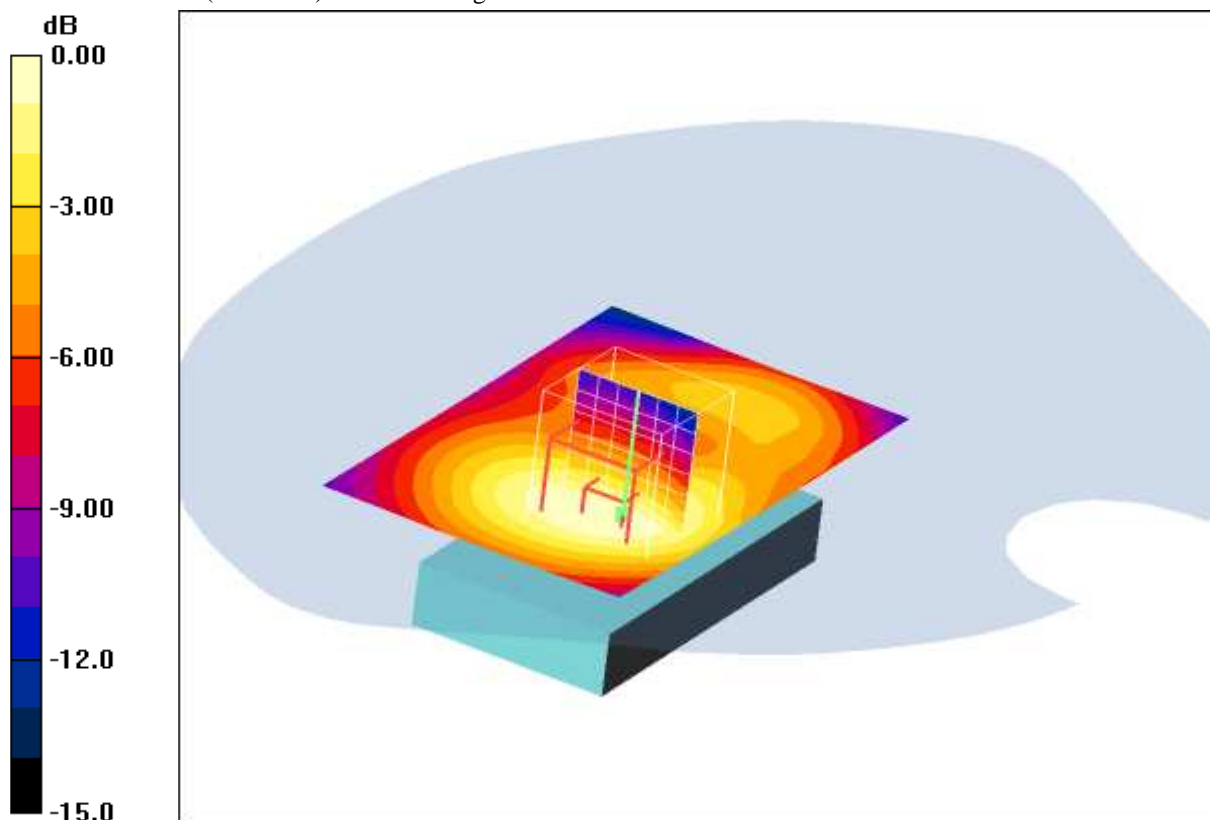
0 dB = 0.163mW/g

Additional information:
position or distance of DUT to SAM: 15 mm
ambient temperature: 23.3°C; liquid temperature: 21.8°C

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Date/Time: 2009-06-09 10:05:30Date/Time: 2009-06-09 10:11:20

IEEE1528_OET65-Body-WCDMA FDD II

DUT: Sony Ericsson; Type: AAD-3880040-BV; Serial: BX900MF7NH

Communication System: WCDMA FDD II; Frequency: 1907.6 MHz;Duty Cycle: 1:1

Medium: M1900 Medium parameters used (interpolated): f = 1907.6 MHz; σ = 1.47 mho/m; ε_r = 53.1; ρ = 1000 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: 2009-01-08
- 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=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.177 mW/g

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

Reference Value = 11.0 V/m; Power Drift = -0.034 dB

Peak SAR (extrapolated) = 0.271 W/kg

SAR(1 g) = 0.162 mW/g; SAR(10 g) = 0.101 mW/g

Maximum value of SAR (measured) = 0.173 mW/g

0 dB = 0.173mW/g

Additional information:

position or distance of DUT to SAM: 15 mm

ambient temperature: 23.3°C; liquid temperature: 21.8°C

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IEEE1528_OET65-Body-WCDMA FDD II

DUT: Sony Ericsson; Type: AAD-3880040-BV; Serial: BX900MF7NH
Communication System: WCDMA FDD II; Frequency: 1852.5 MHz;Duty Cycle: 1:1
Medium: M1900 Medium parameters used (interpolated): f = 1852.5 MHz; σ = 1.47 mho/m; ε_r = 53.1; ρ = 1000 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: 2009-01-08
- 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=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.631 mW/g

Rear position - Low/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 20.5 V/m; Power Drift = -0.017 dB
Peak SAR (extrapolated) = 0.930 W/kg
SAR(1 g) = 0.551 mW/g; SAR(10 g) = 0.325 mW/g
Maximum value of SAR (measured) = 0.595 mW/g
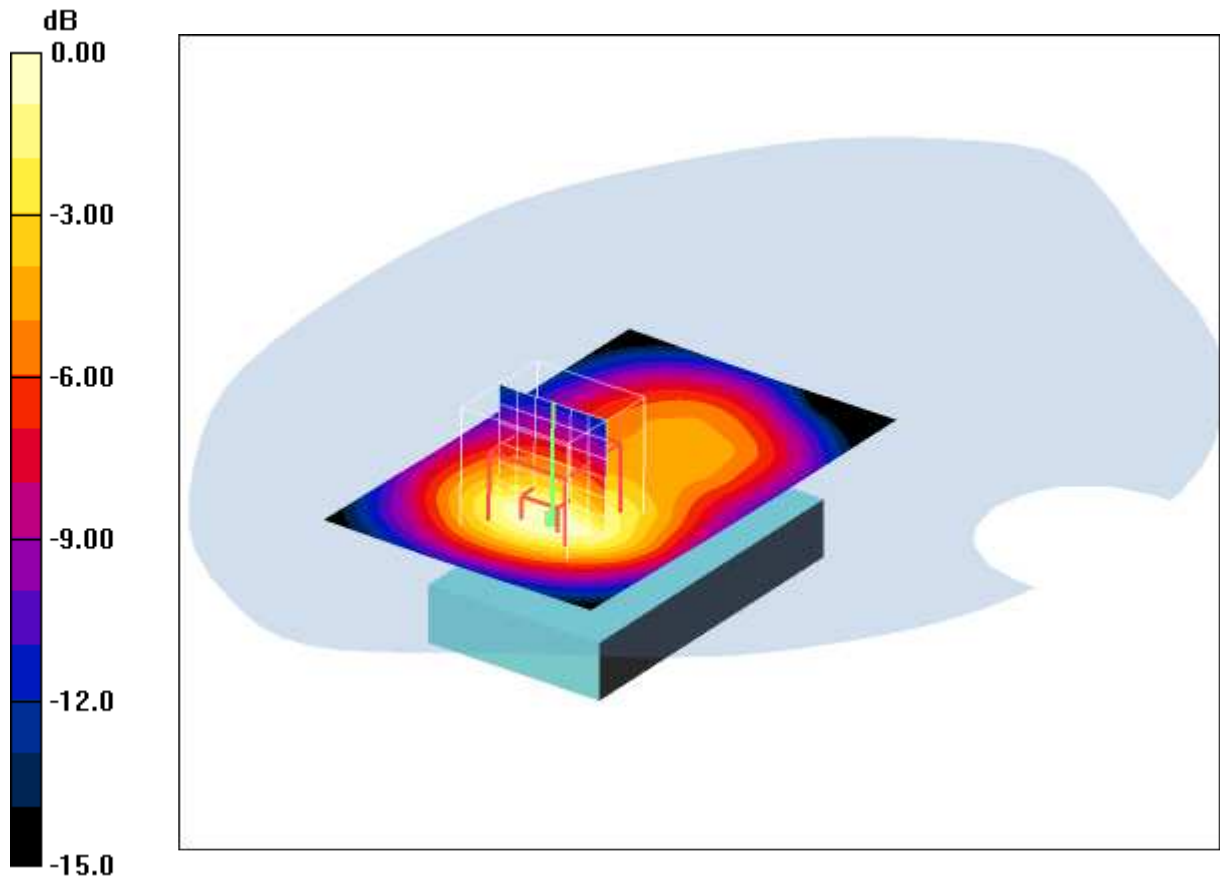
0 dB = 0.595mW/g

Additional information:
position or distance of DUT to SAM: 15 mm
ambient temperature: 23.3°C; liquid temperature: 21.8°C

Date/Time: 2009-06-09 10:56:35Date/Time: 2009-06-09 11:02:30

IEEE1528_OET65-Body-WCDMA FDD II

DUT: Sony Ericsson; Type: AAD-3880040-BV; Serial: BX900MF7NH
Communication System: WCDMA FDD II; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: M1900 Medium parameters used: f = 1880 MHz; σ = 1.47 mho/m; ε_r = 53.1; ρ = 1000 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: 2009-01-08
- 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=15mm, dy=15mm
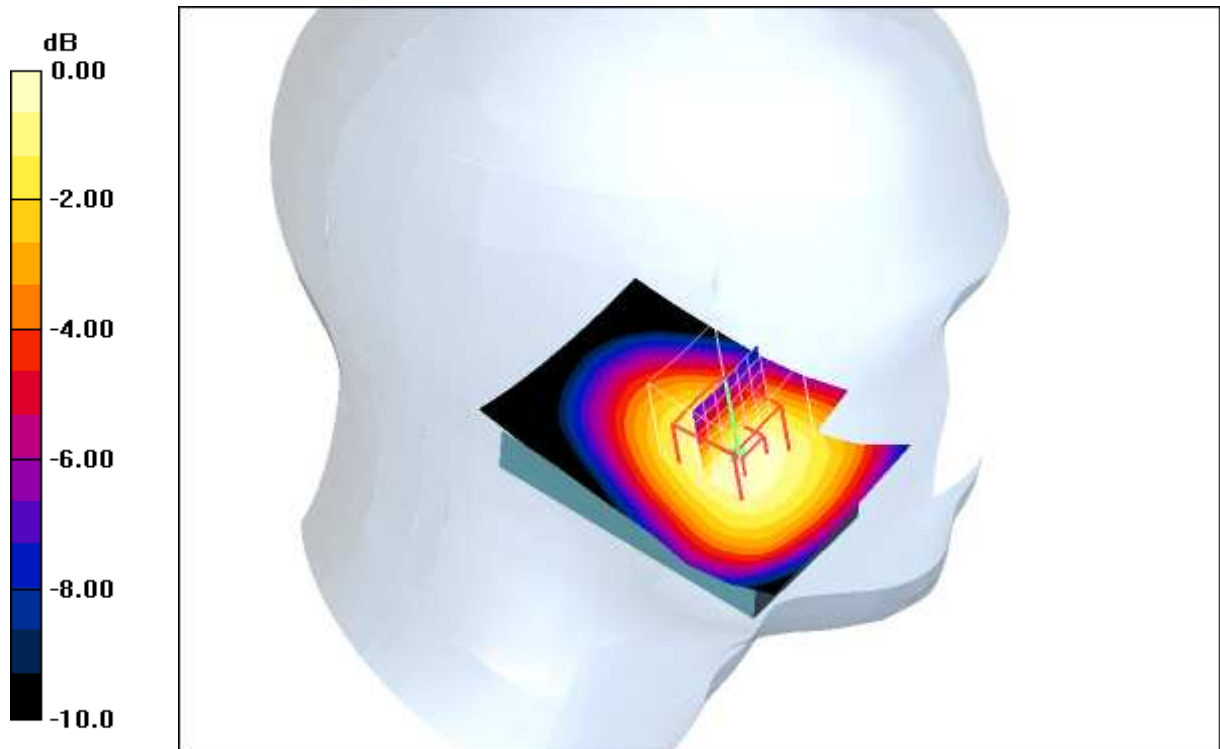Maximum value of SAR (interpolated) = 0.663 mW/g

Rear position - Middle/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 21.0 V/m; Power Drift = 0.045 dB
Peak SAR (extrapolated) = 1.03 W/kg
SAR(1 g) = 0.591 mW/g; SAR(10 g) = 0.345 mW/g
Maximum value of SAR (measured) = 0.645 mW/g
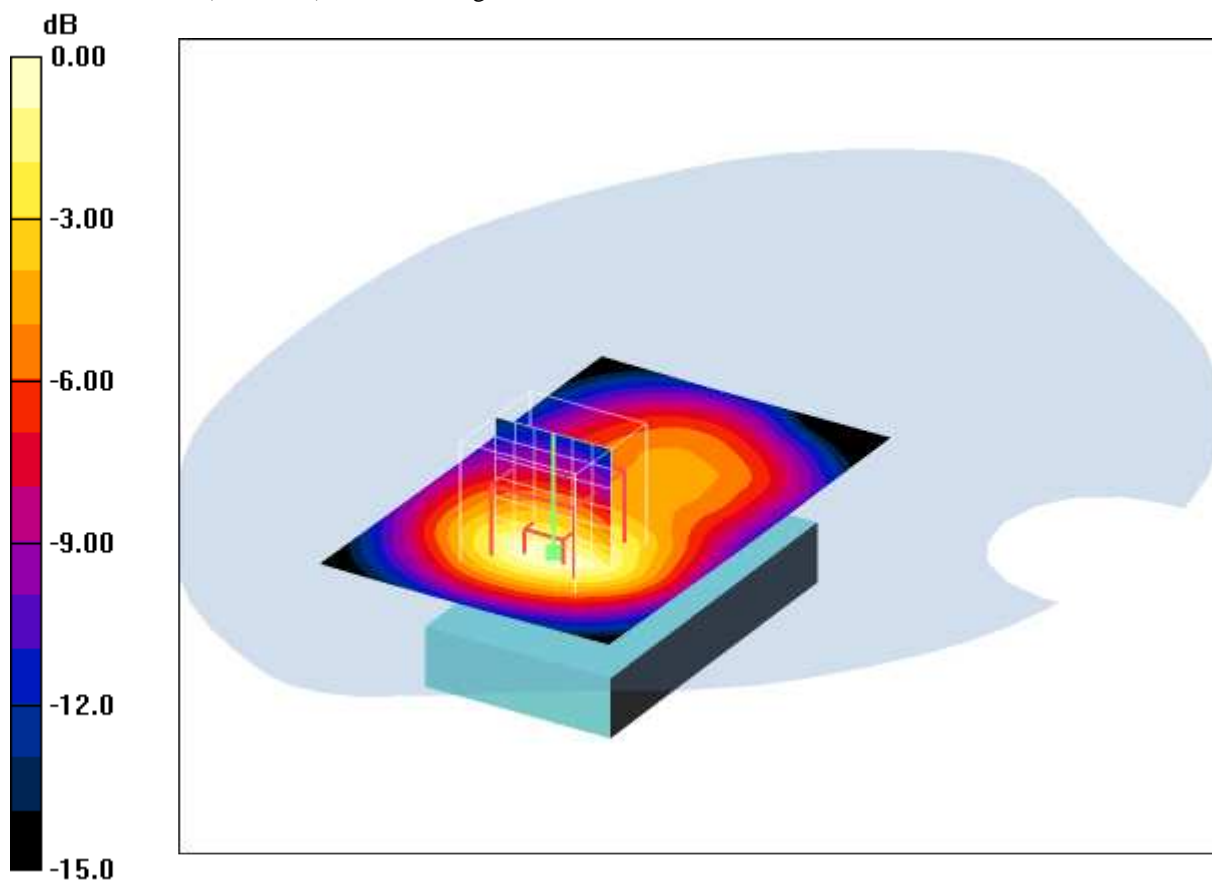
0 dB = 0.645mW/g

Additional information:
position or distance of DUT to SAM: 15 mm
ambient temperature: 23.3°C; liquid temperature: 21.8°C

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IEEE1528_OET65-Body-WCDMA FDD II

DUT: Sony Ericsson; Type: AAD-3880040-BV; Serial: BX900MF7NH

Communication System: WCDMA FDD II; Frequency: 1907.6 MHz;Duty Cycle: 1:1
Medium: M1900 Medium parameters used (interpolated): f = 1907.6 MHz; σ = 1.47 mho/m; ε_r = 53.1; ρ = 1000 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: 2009-01-08
- 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=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.638 mW/g

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

dz=5mm
Reference Value = 20.8 V/m; Power Drift = -0.126 dB
Peak SAR (extrapolated) = 0.992 W/kg
SAR(1 g) = 0.560 mW/g; SAR(10 g) = 0.325 mW/g
Maximum value of SAR (measured) = 0.607 mW/g
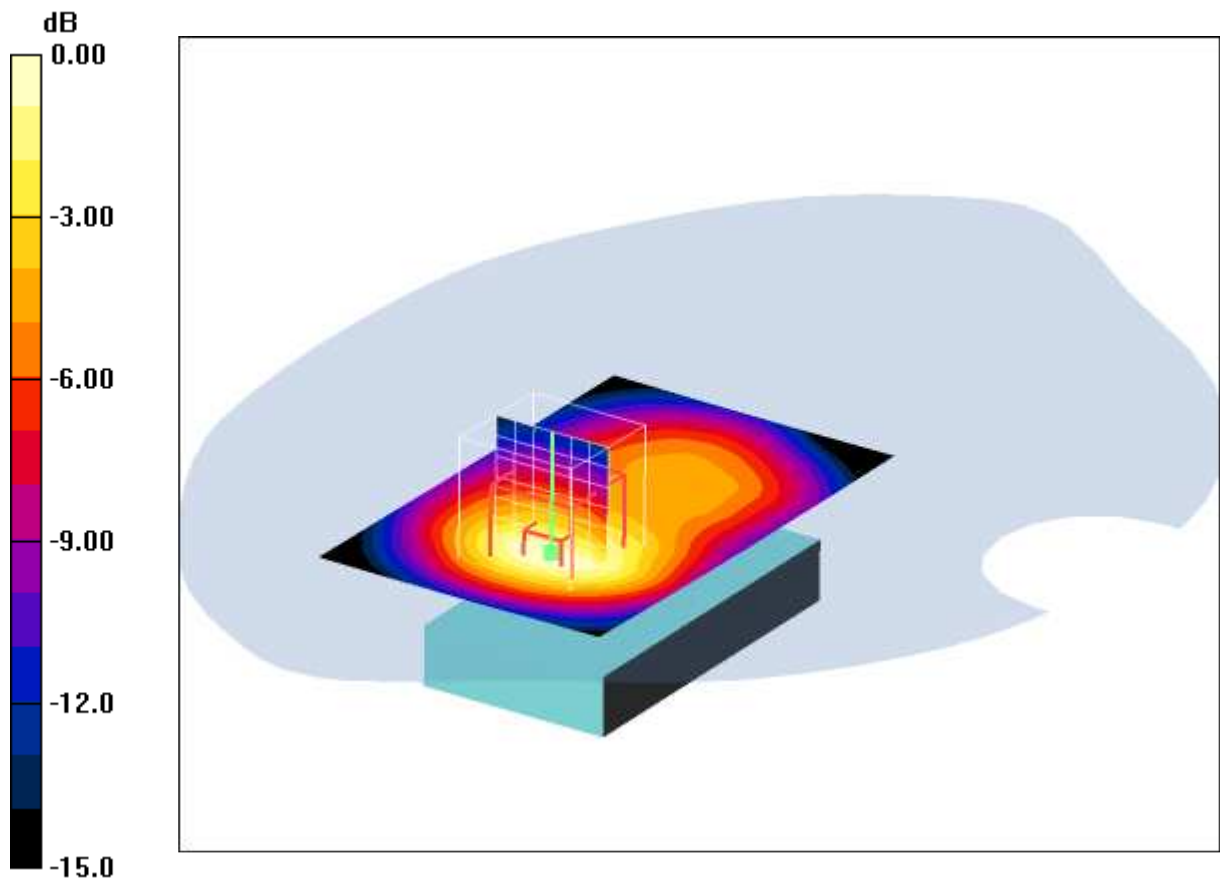
0 dB = 0.607mW/g

Additional information:
position or distance of DUT to SAM: 15 mm
ambient temperature: 23.3°C; liquid temperature: 21.8°C

Annex 2.7   UMTS (WCDMA) FDD V 850 MHz head

Date/Time: 2009-06-05 14:04:55Date/Time: 2009-06-05 14:11:18

IEEE1528_OET65-LeftHandSide-WCDMA FDD V

DUT: Sony Ericsson; Type: AAD-3880040-BV; Serial: BX900MF7NH

Communication System: WCDMA FDD V; Frequency: 826.4 MHz; Duty Cycle: 1:1

Medium: HSL850 Medium parameters used (interpolated): f = 826.4 MHz; σ = 0.89 mho/m; ε_r = 42.2; ρ = 1000 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: 2009-01-08
- 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) = 0.485 mW/g

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

Reference Value = 24.3 V/m; Power Drift = -0.035 dB

Peak SAR (extrapolated) = 0.582 W/kg

SAR(1 g) = 0.456 mW/g; SAR(10 g) = 0.334 mW/g

Maximum value of SAR (measured) = 0.477 mW/g

0 dB = 0.477mW/g

Additional information:

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

ambient temperature: 23.3°C; liquid temperature: 22.0°C

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IEEE1528_OET65-LeftHandSide-WCDMA FDD V

DUT: Sony Ericsson; Type: AAD-3880040-BV; Serial: BX900MF7NH

Communication System: WCDMA FDD V; Frequency: 836.4 MHz; Duty Cycle: 1:1

Medium: HSL850 Medium parameters used (interpolated): f = 836.4 MHz; σ = 0.89 mho/m; ε_r = 42.2; ρ = 1000 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: 2009-01-08
- 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=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.659 mW/g

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

Reference Value = 26.5 V/m; Power Drift = -0.020 dB

Peak SAR (extrapolated) = 0.776 W/kg

SAR(1 g) = 0.556 mW/g; SAR(10 g) = 0.404 mW/g

Maximum value of SAR (measured) = 0.589 mW/g
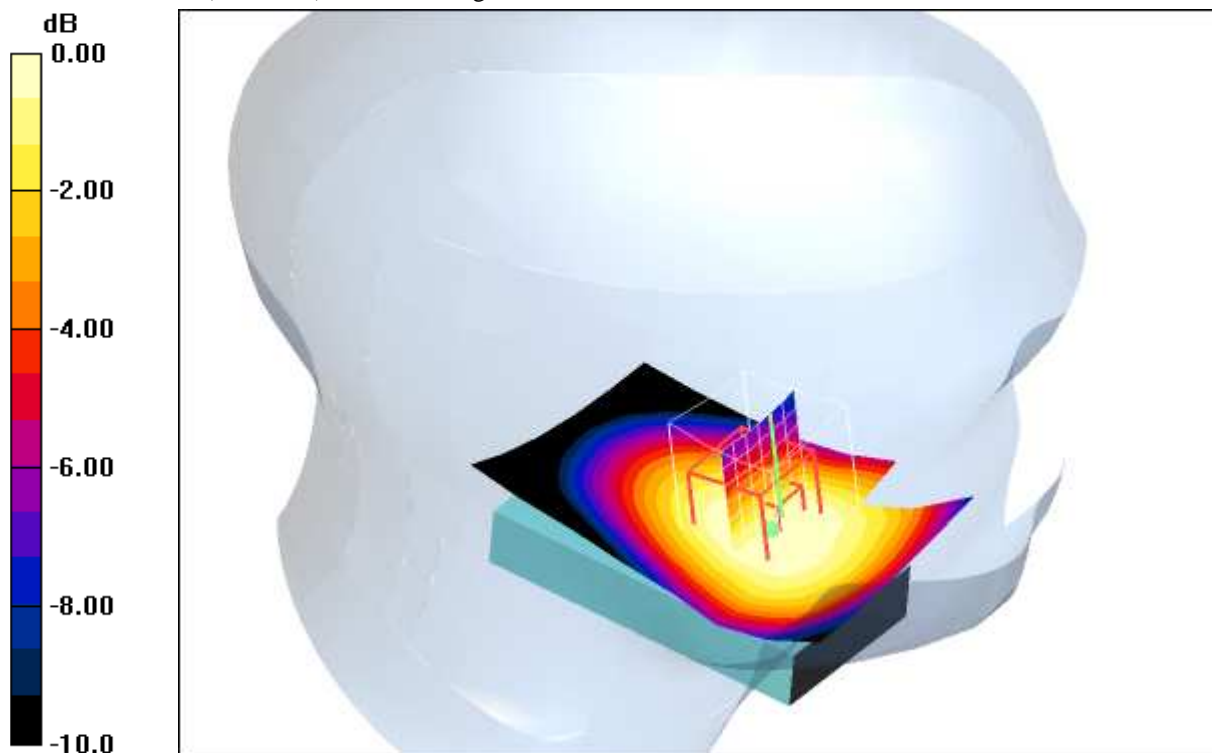
0 dB = 0.589mW/g

Additional information:

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

ambient temperature: 23.3°C; liquid temperature: 22.0°C

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Date/Time: 2009-06-05 14:47:35Date/Time: 2009-06-05 14:53:00

IEEE1528_OET65-LeftHandSide-WCDMA FDD V

DUT: Sony Ericsson; Type: AAD-3880040-BV; Serial: BX900MF7NH

Communication System: WCDMA FDD V; Frequency: 846.6 MHz; Duty Cycle: 1:1

Medium: HSL850 Medium parameters used (interpolated): $f = 846.6$ MHz; $\sigma = 0.89$ mho/m; $\varepsilon_r = 42.2$; $\rho = 1000$ 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: 2009-01-08
- 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=15mm, dy=15mm

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

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

Reference Value = 25.3 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.688 W/kg

SAR(1 g) = 0.502 mW/g; SAR(10 g) = 0.364 mW/g

Maximum value of SAR (measured) = 0.535 mW/g
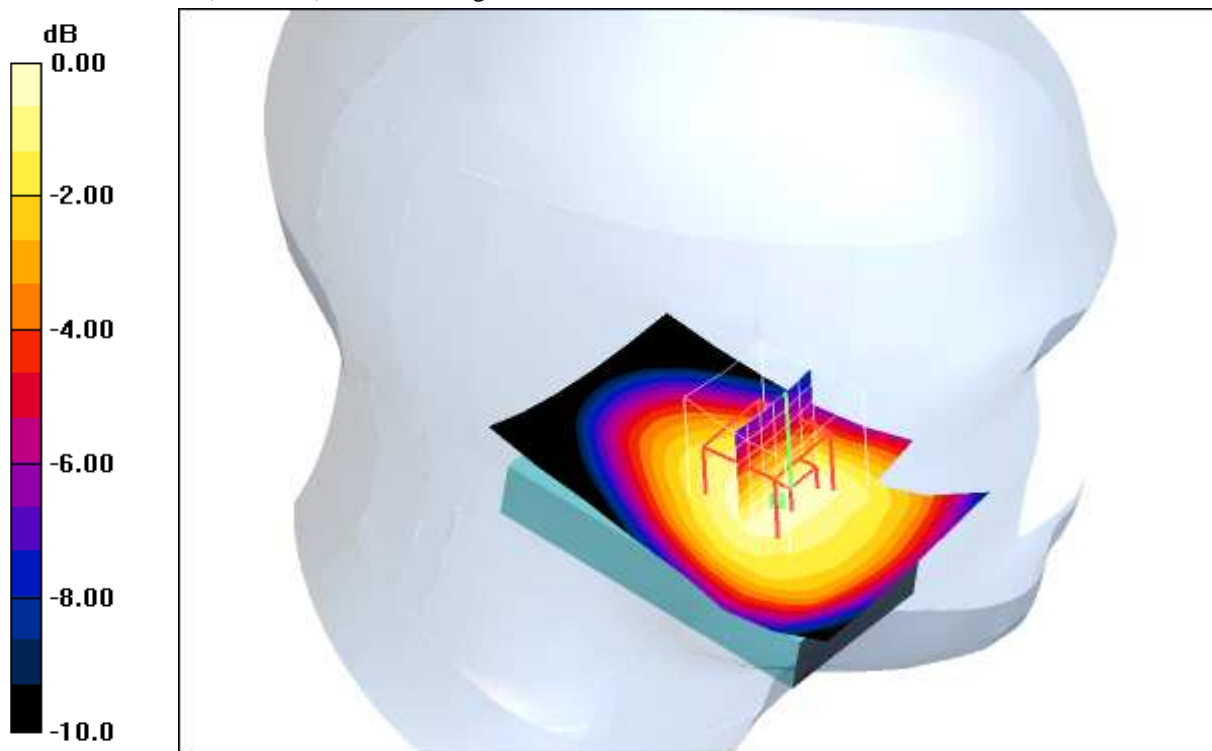
0 dB = 0.535mW/g

Additional information:

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

ambient temperature: 23.3°C; liquid temperature: 22.0°C

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IEEE1528_OET65-LeftHandSide-WCDMA FDD V

DUT: Sony Ericsson; Type: AAD-3880040-BV; Serial: BX900MF7NH

Communication System: WCDMA FDD V; Frequency: 826.4 MHz;Duty Cycle: 1:1

Medium: HSL850 Medium parameters used (interpolated): f = 826.4 MHz; σ = 0.89 mho/m; ε_r = 42.2; ρ = 1000 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: 2009-01-08
- 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=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.236 mW/g

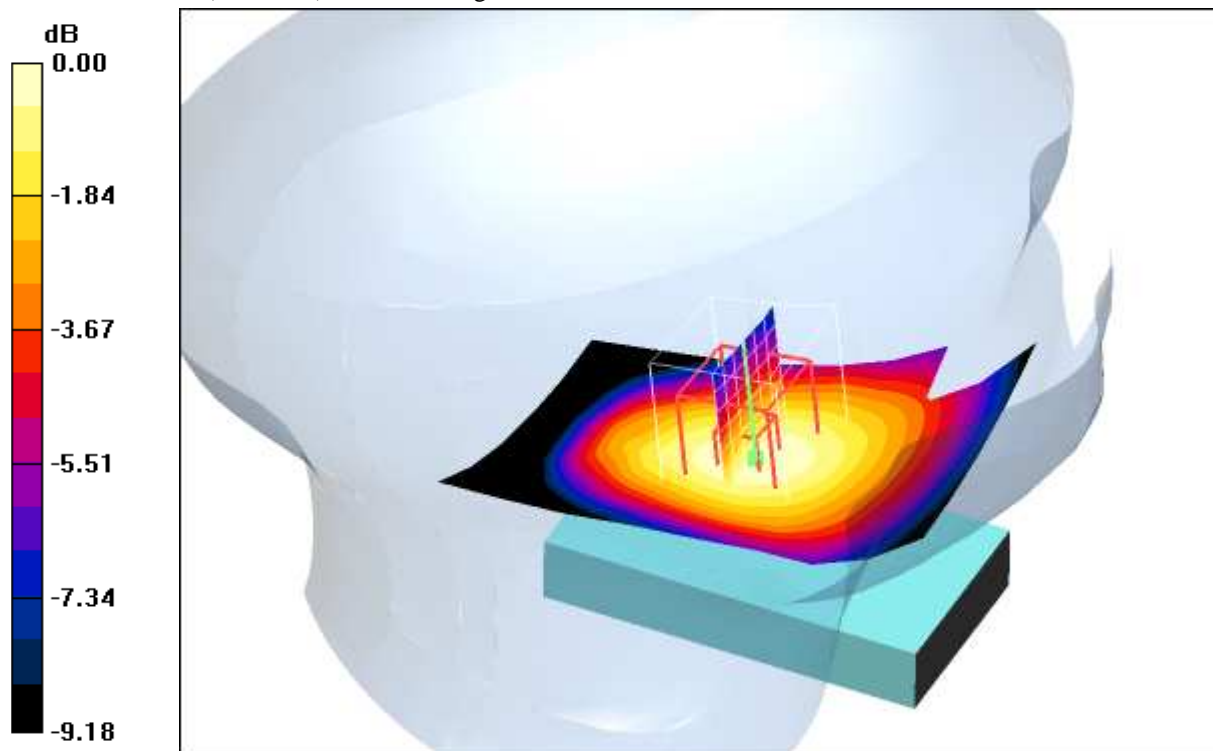## Tilt position - Low/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 16.6 V/m; Power Drift = 0.023 dB

Peak SAR (extrapolated) = 0.287 W/kg

SAR(1 g) = 0.227 mW/g; SAR(10 g) = 0.166 mW/g

Maximum value of SAR (measured) = 0.239 mW/g
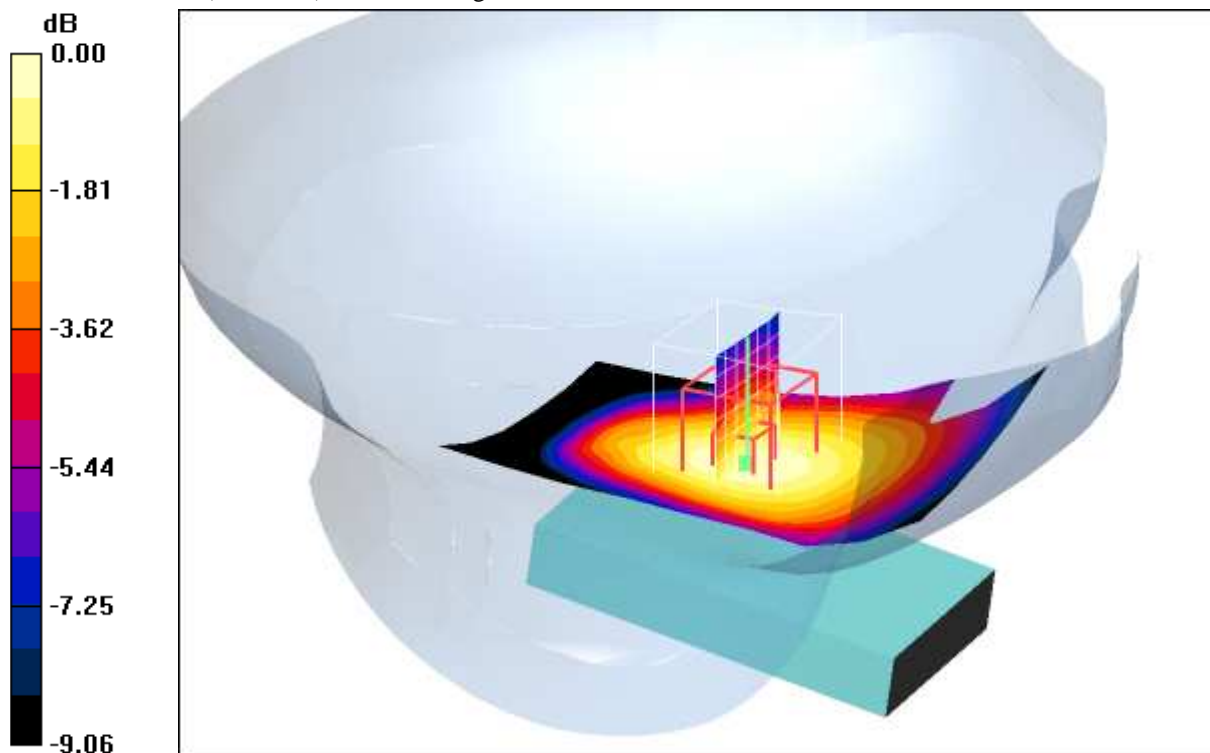
0 dB = 0.239mW/g

Additional information:

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

ambient temperature: 23.3°C; liquid temperature: 22.0°C

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Date/Time: 2009-06-05 17:56:53Date/Time: 2009-06-05 18:03:03

IEEE1528_OET65-LeftHandSide-WCDMA FDD V

DUT: Sony Ericsson; Type: AAD-3880040-BV; Serial: BX900MF7NH

Communication System: WCDMA FDD V; Frequency: 836.4 MHz;Duty Cycle: 1:1

Medium: HSL850 Medium parameters used (interpolated): f = 836.4 MHz; σ = 0.89 mho/m; ε_r = 42.2; ρ = 1000 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: 2009-01-08
- 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=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.323 mW/g

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

Reference Value = 19.6 V/m; Power Drift = -0.132 dB

Peak SAR (extrapolated) = 0.375 W/kg

SAR(1 g) = 0.298 mW/g; SAR(10 g) = 0.219 mW/g

Maximum value of SAR (measured) = 0.313 mW/g

0 dB = 0.313mW/g

Additional information:

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

ambient temperature: 23.3°C; liquid temperature: 22.0°C

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IEEE1528_OET65-LeftHandSide-WCDMA FDD V

DUT: Sony Ericsson; Type: AAD-3880040-BV; Serial: BX900MF7NH

Communication System: WCDMA FDD V; Frequency: 846.6 MHz;Duty Cycle: 1:1

Medium: HSL850 Medium parameters used (interpolated): f = 846.6 MHz; σ = 0.89 mho/m; ε_r = 42.2; ρ = 1000 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: 2009-01-08
- 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=15mm, dy=15mm

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

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

Reference Value = 17.8 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 0.328 W/kg

SAR(1 g) = 0.260 mW/g; SAR(10 g) = 0.190 mW/g

Maximum value of SAR (measured) = 0.273 mW/g

0 dB = 0.273mW/g

Additional information:

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

ambient temperature: 23.3°C; liquid temperature: 22.0°C

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IEEE1528_OET65-LeftHandSide-WCDMA FDD V open

DUT: Sony Ericsson; Type: AAD-3880040-BV; Serial: BX900MF7NH

Communication System: WCDMA FDD V; Frequency: 826.4 MHz;Duty Cycle: 1:1

Medium: HSL850 Medium parameters used (interpolated): f = 826.4 MHz; σ = 0.89 mho/m; $ε_r$ = 42.2; ρ = 1000 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: 2009-01-08
- 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=15mm, dy=15mm

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

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

Reference Value = 25.2 V/m; Power Drift = -0.028 dB

Peak SAR (extrapolated) = 0.651 W/kg

SAR(1 g) = 0.522 mW/g; SAR(10 g) = 0.385 mW/g

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

0 dB = 0.550mW/g

Additional information:

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

ambient temperature: 23.2°C; liquid temperature: 22.0°C

CETECOM ICT Services GmbH

IEEE1528_OET65-LeftHandSide-WCDMA FDD V open

DUT: Sony Ericsson; Type: AAD-3880040-BV; Serial: BX900MF7NH

Communication System: WCDMA FDD V; Frequency: 836.4 MHz;Duty Cycle: 1:1

Medium: HSL850 Medium parameters used (interpolated): f = 836.4 MHz; σ = 0.89 mho/m; ε_r = 42.2; ρ = 1000 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: 2009-01-08
- 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=15mm, dy=15mm

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

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

Reference Value = 27.6 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 0.790 W/kg

SAR(1 g) = 0.633 mW/g; SAR(10 g) = 0.465 mW/g

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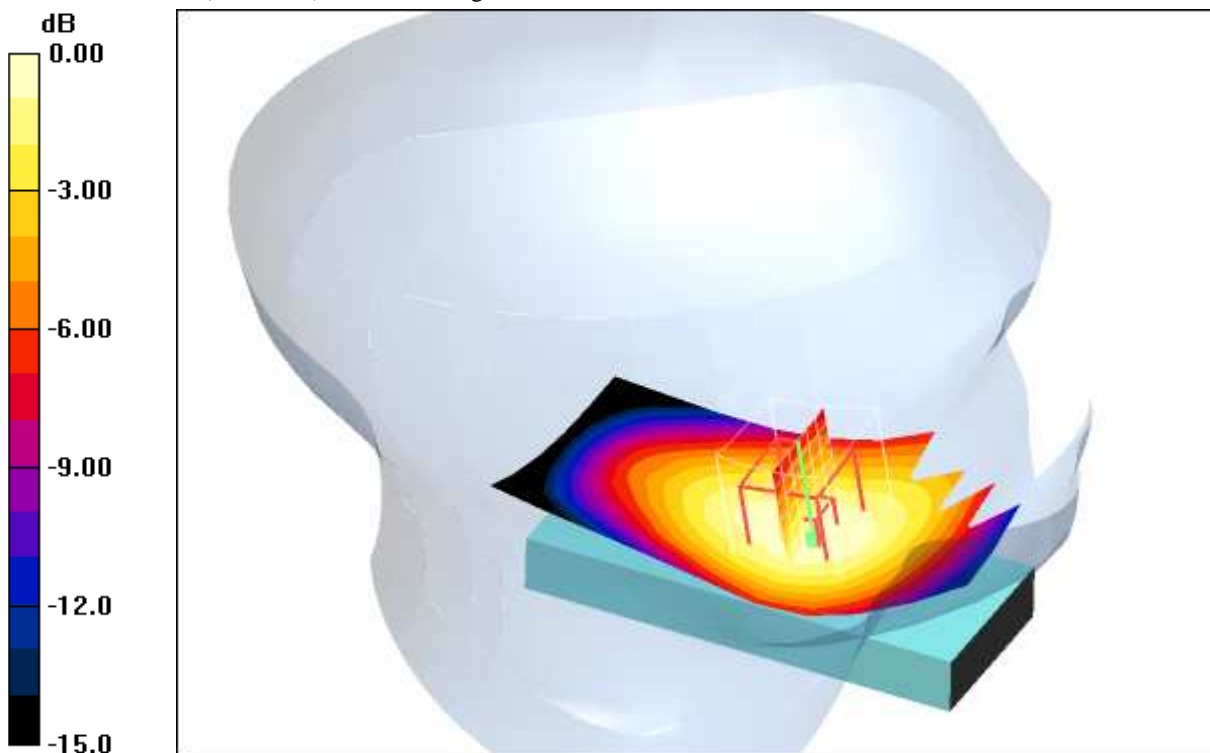
0 dB = 0.665mW/g

Additional information:

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

ambient temperature: 23.2°C; liquid temperature: 22.0°C

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Date/Time: 2009-06-05 16:09:08Date/Time: 2009-06-05 16:15:41

IEEE1528_OET65-LeftHandSide-WCDMA FDD V open

DUT: Sony Ericsson; Type: AAD-3880040-BV; Serial: BX900MF7NH

Communication System: WCDMA FDD V; Frequency: 846.6 MHz;Duty Cycle: 1:1

Medium: HSL850 Medium parameters used (interpolated): f = 846.6 MHz; σ = 0.89 mho/m; ϵ_r = 42.2; ρ = 1000 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: 2009-01-08
- 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=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.615 mW/g

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

Reference Value = 26.5 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 0.730 W/kg

SAR(1 g) = 0.583 mW/g; SAR(10 g) = 0.427 mW/g

Maximum value of SAR (measured) = 0.612 mW/g
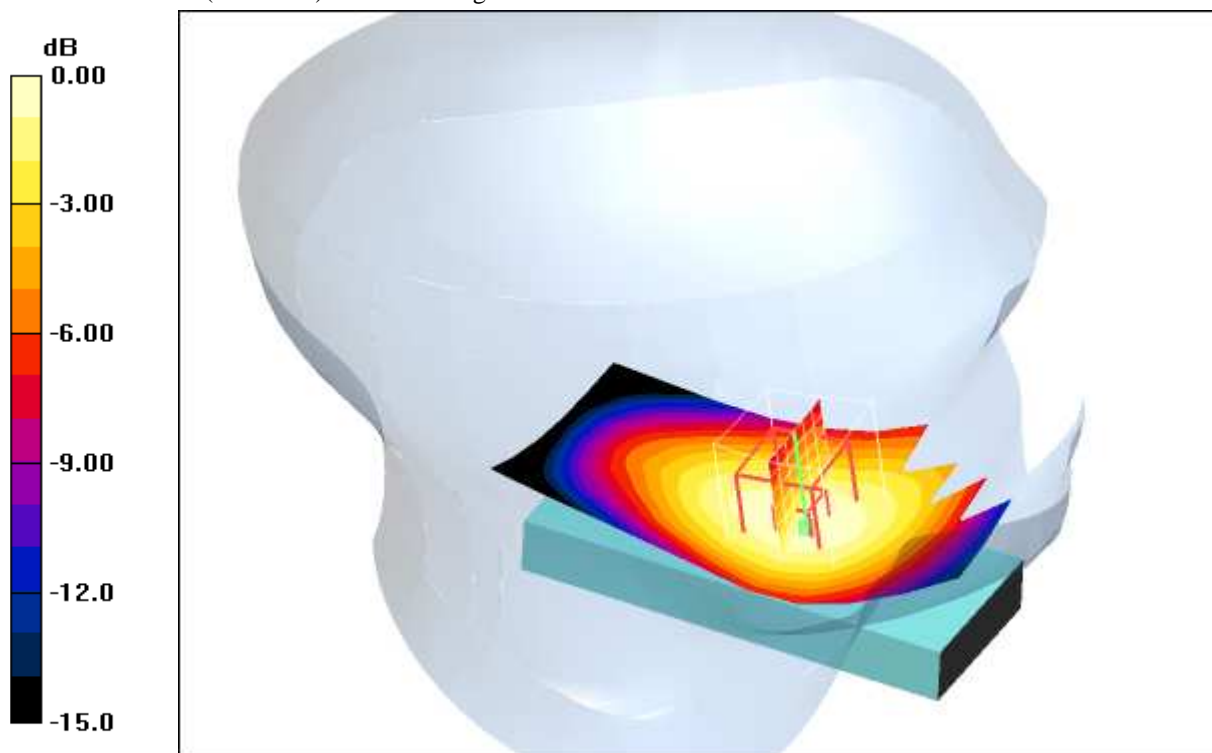
0 dB = 0.612mW/g

Additional information:

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

ambient temperature: 23.2°C; liquid temperature: 22.0°C

CETECOM ICT Services GmbH

Date/Time: 2009-06-05 16:34:12Date/Time: 2009-06-05 16:41:04

IEEE1528_OET65-LeftHandSide-WCDMA FDD V open

DUT: Sony Ericsson; Type: AAD-3880040-BV; Serial: BX900MF7NH

Communication System: WCDMA FDD V; Frequency: 826.4 MHz;Duty Cycle: 1:1

Medium: HSL850 Medium parameters used (interpolated): f = 826.4 MHz; σ = 0.89 mho/m; ε_r = 42.2; ρ = 1000 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: 2009-01-08

- 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=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.322 mW/g

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

Reference Value = 19.2 V/m; Power Drift = -0.163 dB

Peak SAR (extrapolated) = 0.373 W/kg

SAR(1 g) = 0.298 mW/g; SAR(10 g) = 0.221 mW/g

Maximum value of SAR (measured) = 0.314 mW/g
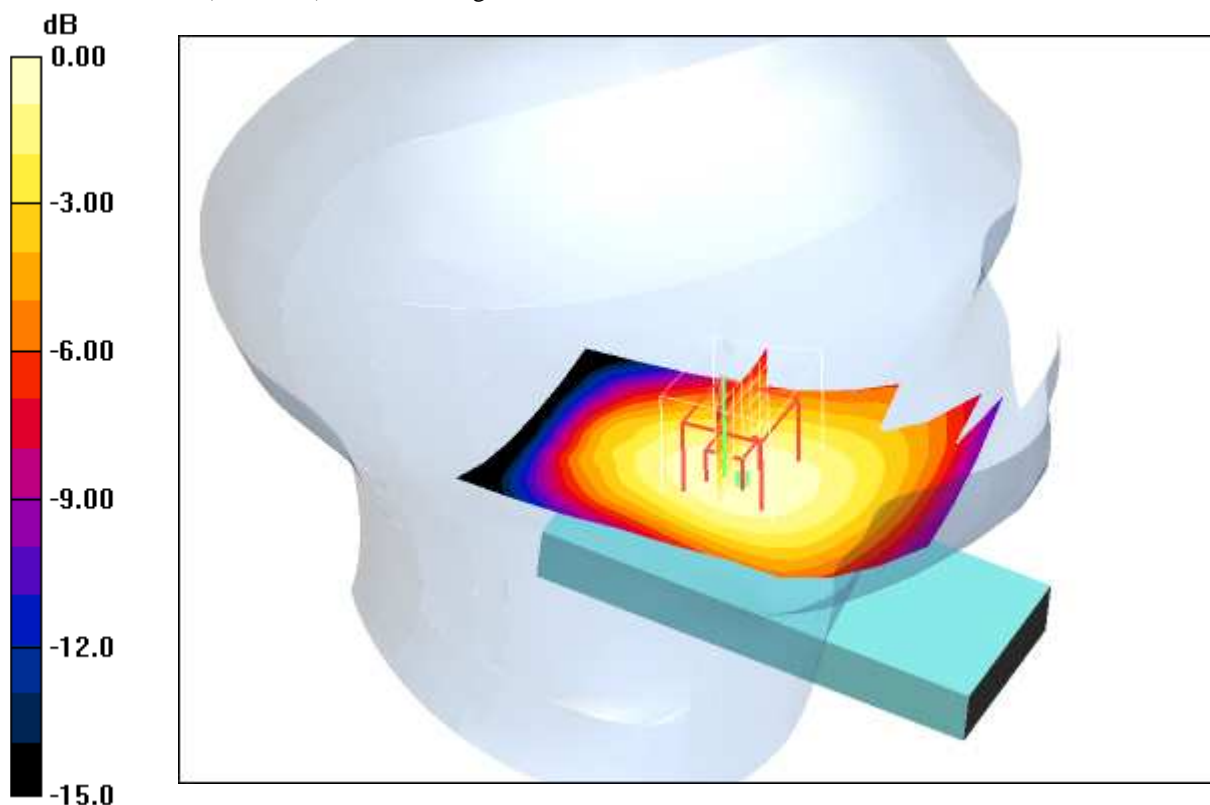
0 dB = 0.314mW/g

Additional information:

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

ambient temperature: 23.2°C; liquid temperature: 22.0°C

Date/Time: 2009-06-05 16:56:03Date/Time: 2009-06-05 17:20:21

IEEE1528_OET65-LeftHandSide-WCDMA FDD V open

DUT: Sony Ericsson; Type: AAD-3880040-BV; Serial: BX900MF7NH

Communication System: WCDMA FDD V; Frequency: 836.4 MHz;Duty Cycle: 1:1

Medium: HSL850 Medium parameters used (interpolated): f = 836.4 MHz; σ = 0.89 mho/m; ε_r = 42.2; ρ = 1000 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: 2009-01-08
- 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=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.361 mW/g

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

Reference Value = 18.2 V/m; Power Drift = 0.027 dB

Peak SAR (extrapolated) = 0.349 W/kg

SAR(1 g) = 0.276 mW/g; SAR(10 g) = 0.203 mW/g

Maximum value of SAR (measured) = 0.291 mW/g
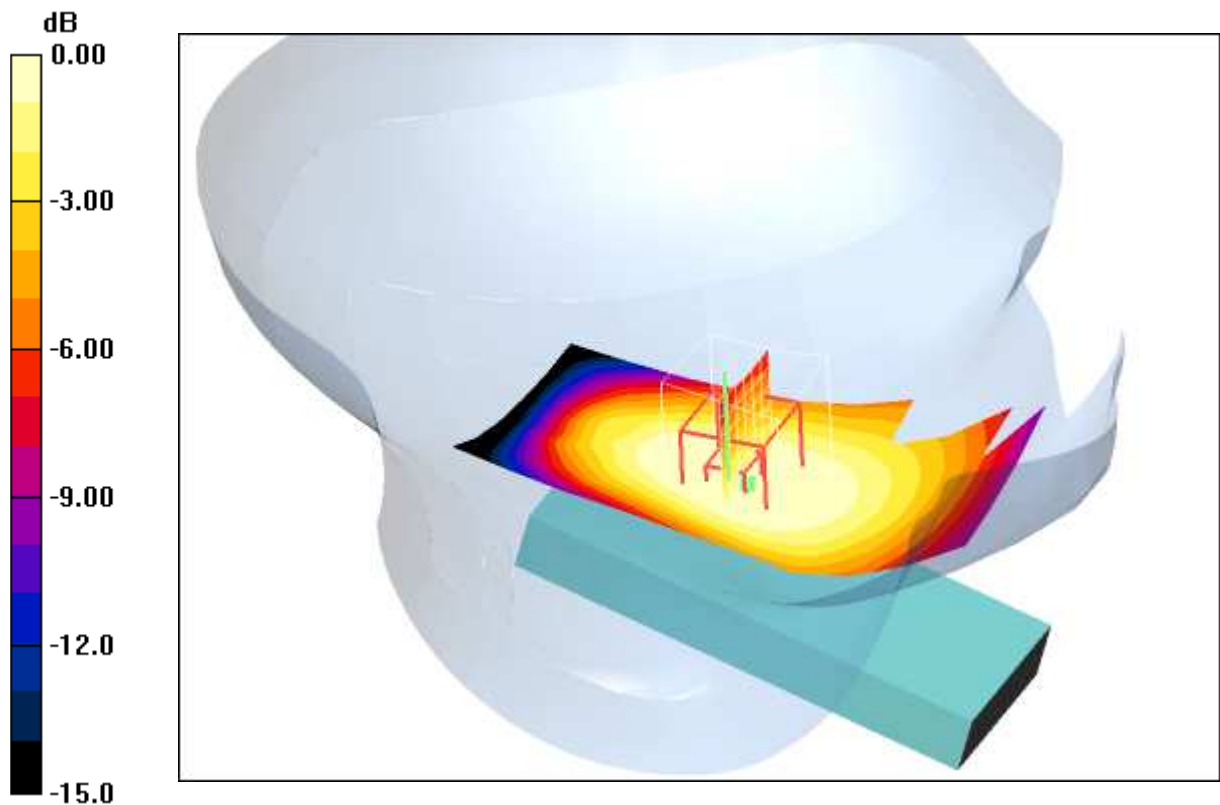
0 dB = 0.291mW/g

Additional information:

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

ambient temperature: 23.2°C; liquid temperature: 22.0°C

CETECOM ICT Services GmbH

Date/Time: 2009-06-05 17:16:57Date/Time: 2009-06-05 17:40:06

IEEE1528_OET65-LeftHandSide-WCDMA FDD V open

DUT: Sony Ericsson; Type: AAD-3880040-BV; Serial: BX900MF7NH

Communication System: WCDMA FDD V; Frequency: 846.6 MHz;Duty Cycle: 1:1

Medium: HSL850 Medium parameters used (interpolated): f = 846.6 MHz; σ = 0.89 mho/m; ε_r = 42.2; ρ = 1000 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: 2009-01-08
- 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=15mm, dy=15mm

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

Tilt position - High/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
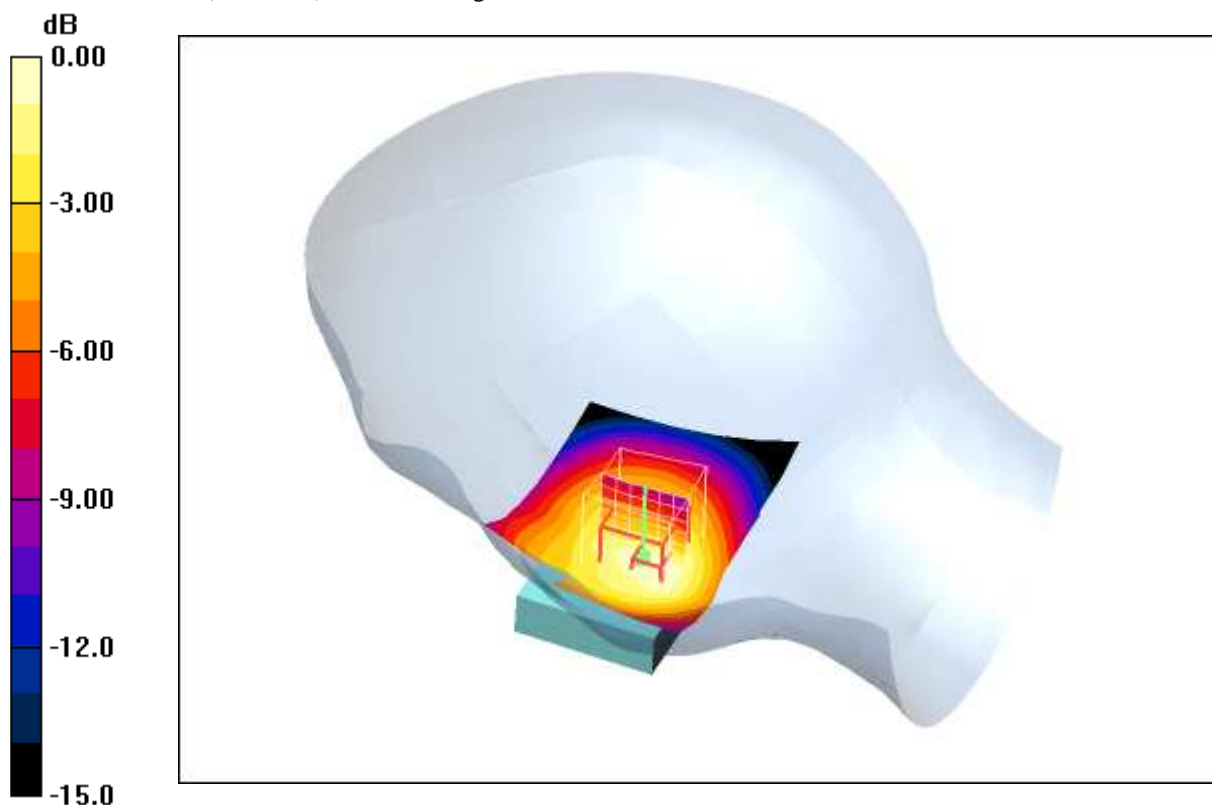
Reference Value = 17.6 V/m; Power Drift = -0.013 dB

Peak SAR (extrapolated) = 0.365 W/kg

SAR(1 g) = 0.269 mW/g; SAR(10 g) = 0.193 mW/g

Maximum value of SAR (measured) = 0.301 mW/g
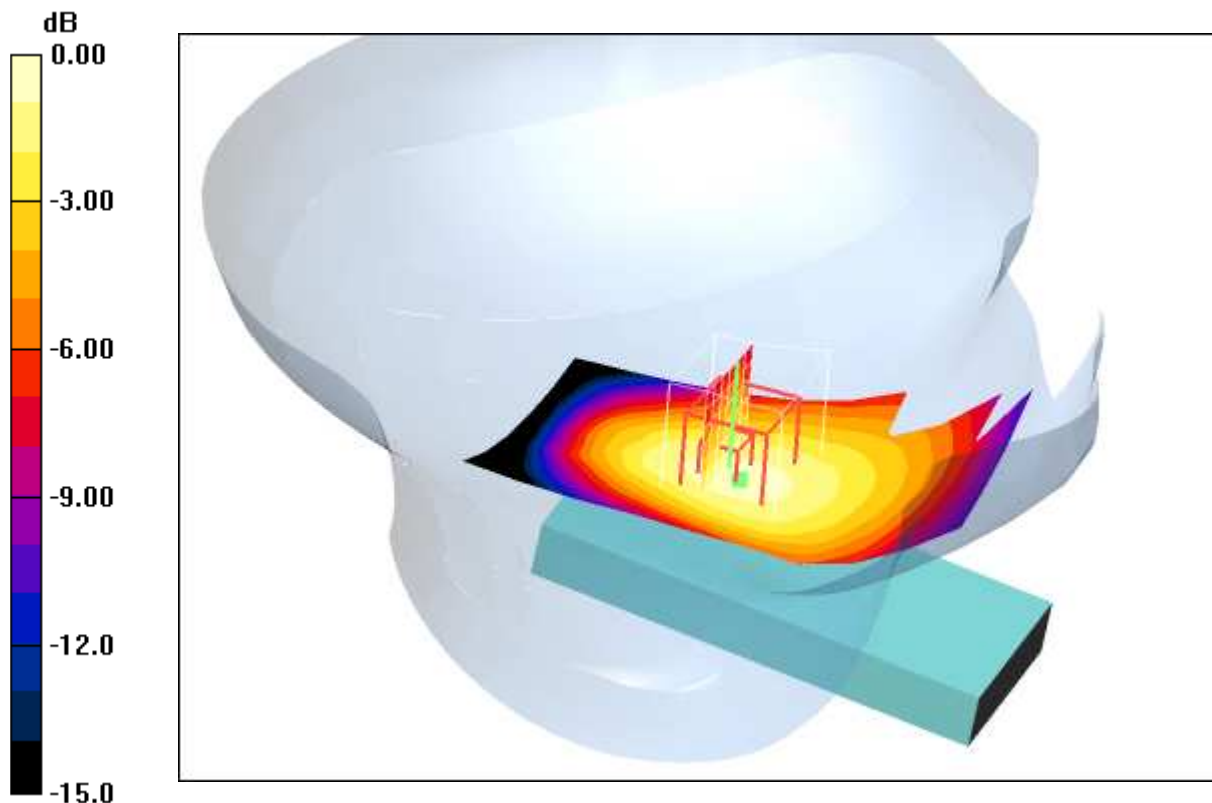
0 dB = 0.301mW/g

Additional information:

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

ambient temperature: 23.2°C; liquid temperature: 22.0°C

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Date/Time: 2009-06-04 16:47:13Date/Time: 2009-06-04 16:52:56

IEEE1528_OET65-RightHandSide-WCDMA FDD V

DUT: Sony Ericsson; Type: AAD-3880040-BV; Serial: BX900MF7NH

Communication System: WCDMA FDD V; Frequency: 826.4 MHz; Duty Cycle: 1:1

Medium: HSL850 Medium parameters used (interpolated): f = 826.4 MHz; σ = 0.89 mho/m; ε_r = 42.2; ρ = 1000 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: 2009-01-08
- 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) = 0.463 mW/g

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

Reference Value = 23.6 V/m; Power Drift = -0.039 dB

Peak SAR (extrapolated) = 0.616 W/kg

SAR(1 g) = 0.431 mW/g; SAR(10 g) = 0.297 mW/g

Maximum value of SAR (measured) = 0.468 mW/g
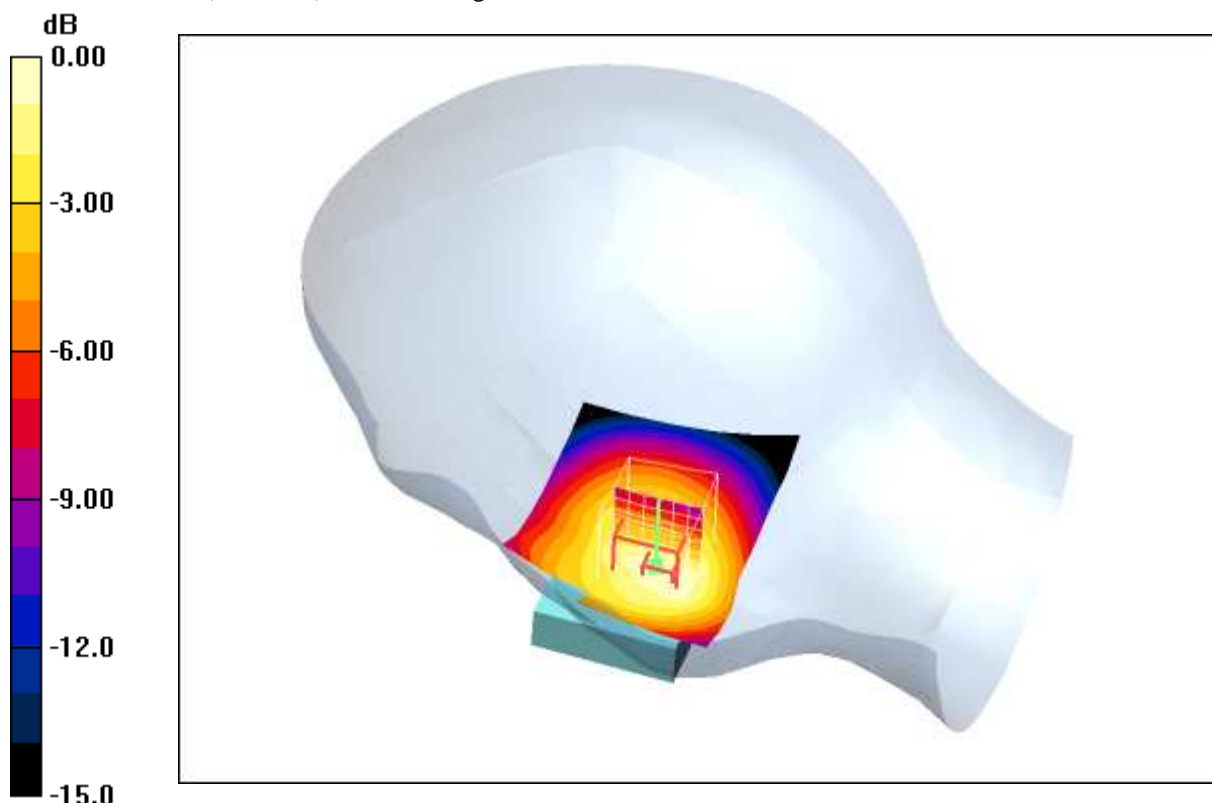
0 dB = 0.468mW/g

Additional information:

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

ambient temperature: 23.3 °C; liquid temperature: 22.2 °C

Date/Time: 2009-06-04 17:08:26Date/Time: 2009-06-04 17:13:53

IEEE1528_OET65-RightHandSide-WCDMA FDD V

DUT: Sony Ericsson; Type: AAD-3880040-BV; Serial: BX900MF7NH

Communication System: WCDMA FDD V; Frequency: 836.4 MHz; Duty Cycle: 1:1

Medium: HSL850 Medium parameters used (interpolated): f = 836.4 MHz; σ = 0.89 mho/m; ε_r = 42.2; ρ = 1000 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: 2009-01-08
- 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=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.674 mW/g

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

Reference Value = 28.6 V/m; Power Drift = -0.038 dB

Peak SAR (extrapolated) = 0.976 W/kg

SAR(1 g) = 0.636 mW/g; SAR(10 g) = 0.426 mW/g

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

0 dB = 0.687mW/g

Additional information:

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

ambient temperature: 23.3 °C; liquid temperature: 22.2 °C

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IEEE1528_OET65-RightHandSide-WCDMA FDD V

DUT: Sony Ericsson; Type: AAD-3880040-BV; Serial: BX900MF7NH

Communication System: WCDMA FDD V; Frequency: 846.6 MHz; Duty Cycle: 1:1
Medium: HSL850 Medium parameters used (interpolated): f = 846.6 MHz; σ = 0.89 mho/m; ε_r = 42.2; ρ = 1000 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: 2009-01-08
- 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=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.597 mW/g

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

Reference Value = 26.7 V/m; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 0.878 W/kg
SAR(1 g) = 0.560 mW/g; SAR(10 g) = 0.369 mW/g
Maximum value of SAR (measured) = 0.606 mW/g
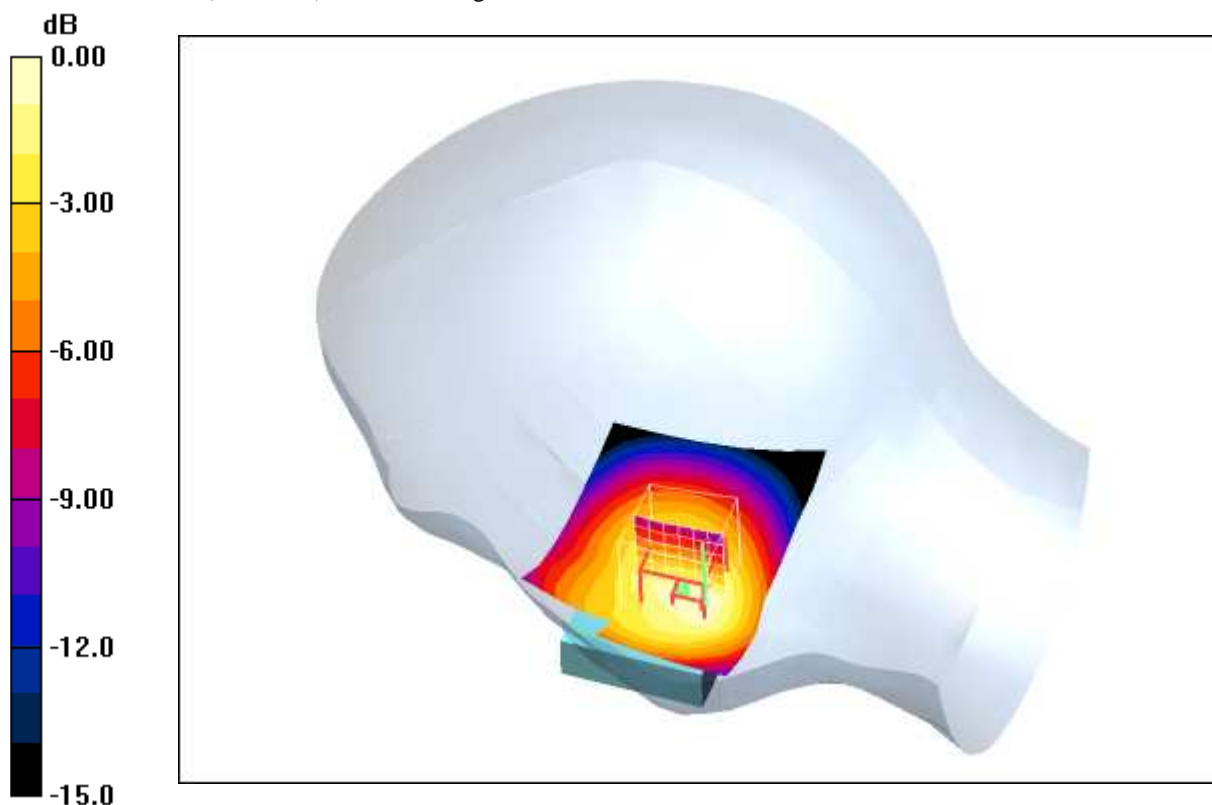
0 dB = 0.606mW/g

Additional information:
position or distance of DUT to SAM (if not standard head positions) :
ambient temperature: 23.3 °C; liquid temperature: 22.2 °C

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Date/Time: 2009-06-04 18:50:43Date/Time: 2009-06-04 18:57:35

IEEE1528_OET65-RightHandSide-WCDMA FDD V

DUT: Sony Ericsson; Type: AAD-3880040-BV; Serial: BX900MF7NH

Communication System: WCDMA FDD V; Frequency: 826.4 MHz; Duty Cycle: 1:1

Medium: HSL850 Medium parameters used (interpolated): f = 826.4 MHz; σ = 0.89 mho/m; ε_r = 42.2; ρ = 1000 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: 2009-01-08
- 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=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.207 mW/g

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

Reference Value = 15.5 V/m; Power Drift = 0.038 dB

Peak SAR (extrapolated) = 0.255 W/kg

SAR(1 g) = 0.200 mW/g; SAR(10 g) = 0.146 mW/g
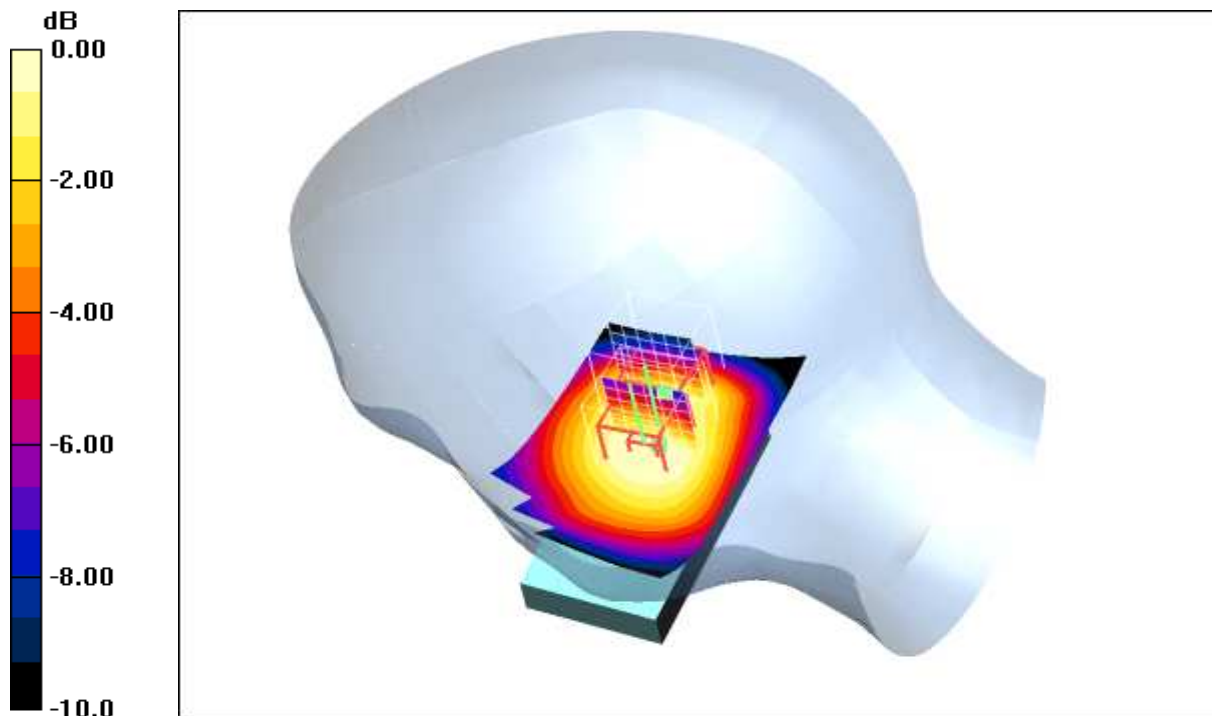
Maximum value of SAR (measured) = 0.210 mW/g
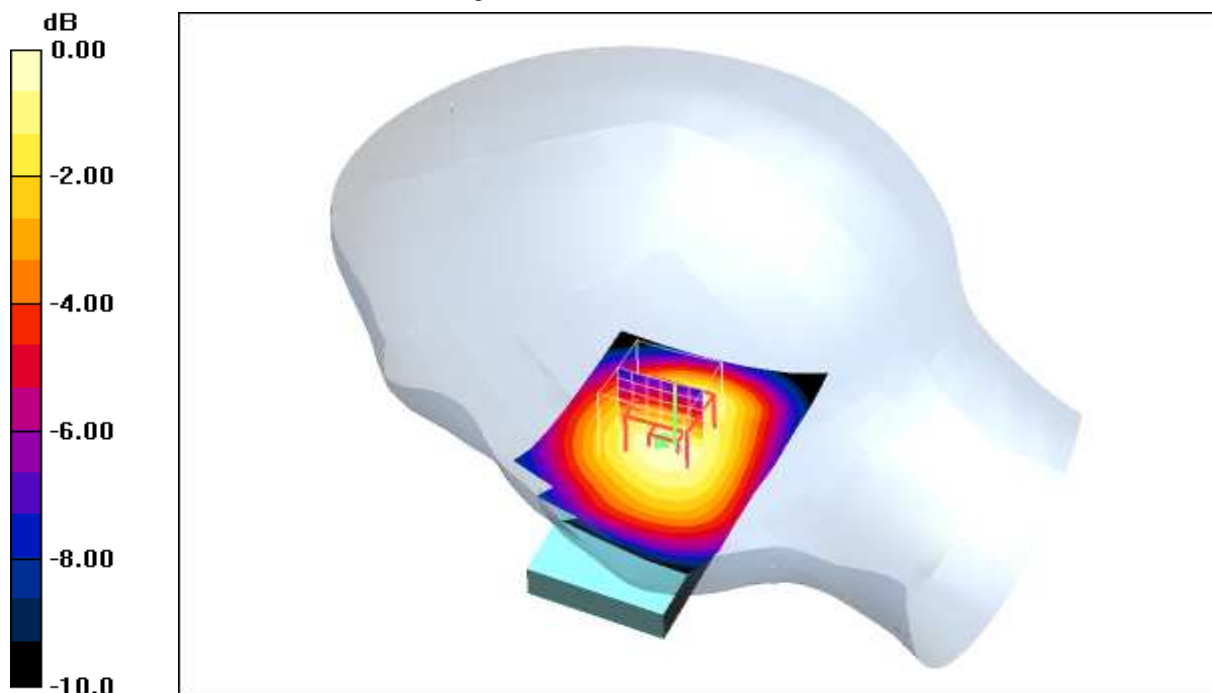
0 dB = 0.210mW/g

Additional information:

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

ambient temperature: 23.3 °C; liquid temperature: 22.2 °C

Date/Time: 2009-06-04 18:27:04Date/Time: 2009-06-04 18:33:29

IEEE1528_OET65-RightHandSide-WCDMA FDD V

DUT: Sony Ericsson; Type: AAD-3880040-BV; Serial: BX900MF7NH

Communication System: WCDMA FDD V; Frequency: 836.4 MHz; Duty Cycle: 1:1

Medium: HSL850 Medium parameters used (interpolated): f = 836.4 MHz; σ = 0.89 mho/m; ε_r = 42.2; ρ = 1000 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: 2009-01-08
- 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=15mm, dy=15mm

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

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

Reference Value = 17.6 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 0.326 W/kg

SAR(1 g) = 0.254 mW/g; SAR(10 g) = 0.185 mW/g

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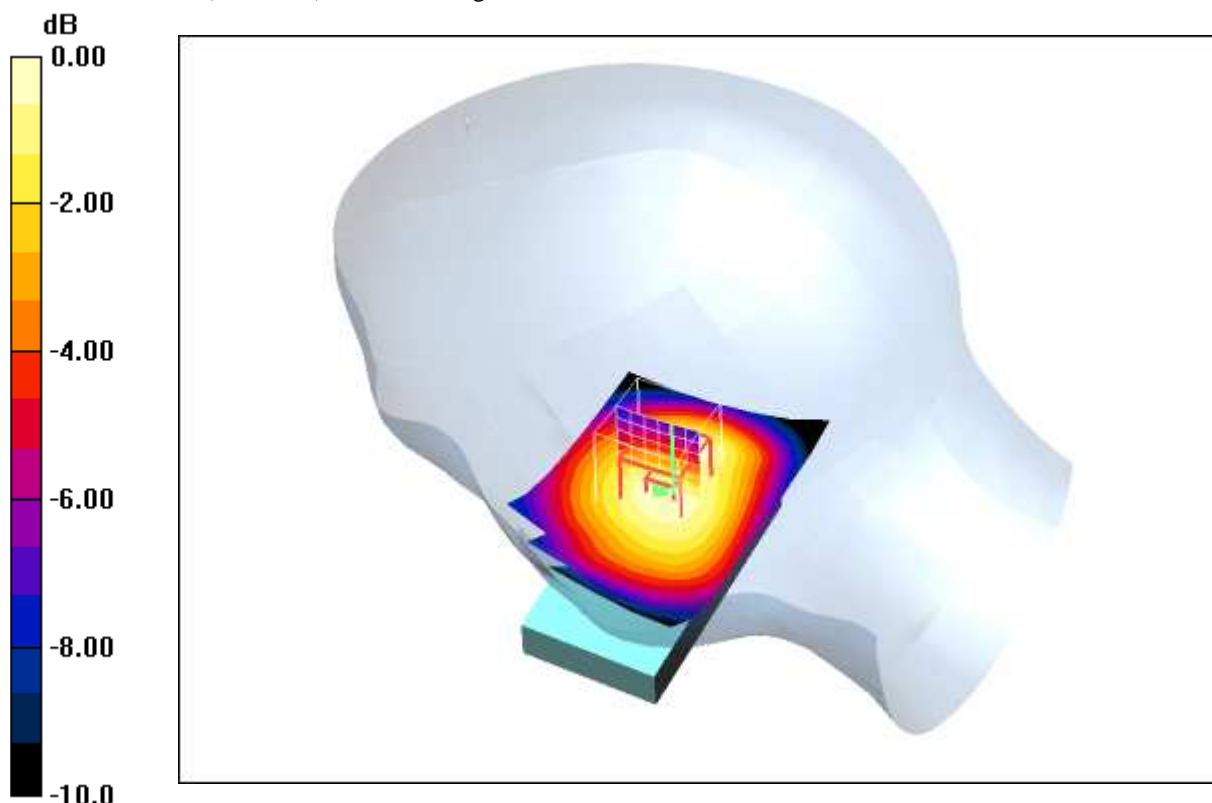
0 dB = 0.268mW/g

Additional information:

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

ambient temperature: 23.3 °C; liquid temperature: 22.2 °C

Date/Time: 2009-06-04 17:54:07Date/Time: 2009-06-04 18:00:21Date/Time: 2009-06-04 18:12:44

IEEE1528_OET65-RightHandSide-WCDMA FDD V

DUT: Sony Ericsson; Type: AAD-3880040-BV; Serial: BX900MF7NH

Communication System: WCDMA FDD V; Frequency: 846.6 MHz; Duty Cycle: 1:1

Medium: HSL850 Medium parameters used (interpolated): f = 846.6 MHz; σ = 0.89 mho/m; ε_r = 42.2; ρ = 1000 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: 2009-01-08
- 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=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.241 mW/g

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

Reference Value = 16.7 V/m; Power Drift = -0.200 dB

Peak SAR (extrapolated) = 0.303 W/kg

SAR(1 g) = 0.233 mW/g; SAR(10 g) = 0.169 mW/g

Maximum value of SAR (measured) = 0.248 mW/g

Tilt position - High/Zoom Scan (7x7x7) (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 16.7 V/m; Power Drift = -0.200 dB

Peak SAR (extrapolated) = 0.292 W/kg

SAR(1 g) = 0.202 mW/g; SAR(10 g) = 0.133 mW/g

Maximum value of SAR (measured) = 0.224 mW/g

0 dB = 0.224mW/g

Additional information:

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

ambient temperature: 23.3 °C; liquid temperature: 22.2 °C

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Date/Time: 2009-06-04 21:59:15Date/Time: 2009-06-04 22:31:54

IEEE1528_OET65-RightHandSide-WCDMA FDD V open

DUT: Sony Ericsson; Type: AAD-3880040-BV; Serial: BX900MF7NH

Communication System: WCDMA FDD V; Frequency: 826.4 MHz; Duty Cycle: 1:1

Medium: HSL850 Medium parameters used (interpolated): f = 826.4 MHz; σ = 0.89 mho/m; ε_r = 42.2; ρ = 1000 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: 2009-01-08
- 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=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.476 mW/g

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

Reference Value = 22.5 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.592 W/kg

SAR(1 g) = 0.389 mW/g; SAR(10 g) = 0.260 mW/g

Maximum value of SAR (measured) = 0.423 mW/g
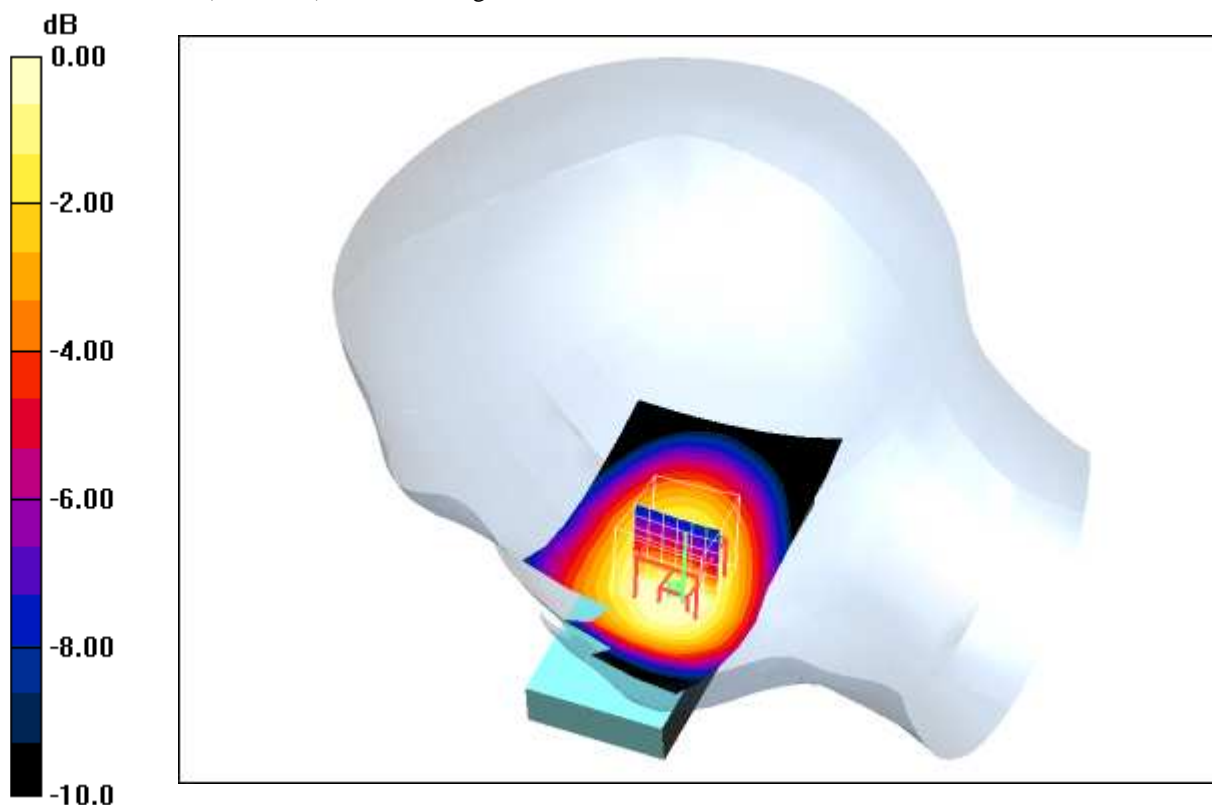
0 dB = 0.423mW/g

Additional information:

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

ambient temperature: 23.2 °C; liquid temperature: 22.2 °C

Date/Time: 2009-06-04 21:33:55Date/Time: 2009-06-04 21:40:28

IEEE1528_OET65-RightHandSide-WCDMA FDD V open

DUT: Sony Ericsson; Type: AAD-3880040-BV; Serial: BX900MF7NH

Communication System: WCDMA FDD V; Frequency: 836.4 MHz; Duty Cycle: 1:1

Medium: HSL850 Medium parameters used (interpolated): f = 836.4 MHz; σ = 0.89 mho/m; ε_r = 42.2; ρ = 1000 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: 2009-01-08
- 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=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.596 mW/g

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

Reference Value = 26.6 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 0.757 W/kg

SAR(1 g) = 0.553 mW/g; SAR(10 g) = 0.392 mW/g

Maximum value of SAR (measured) = 0.585 mW/g
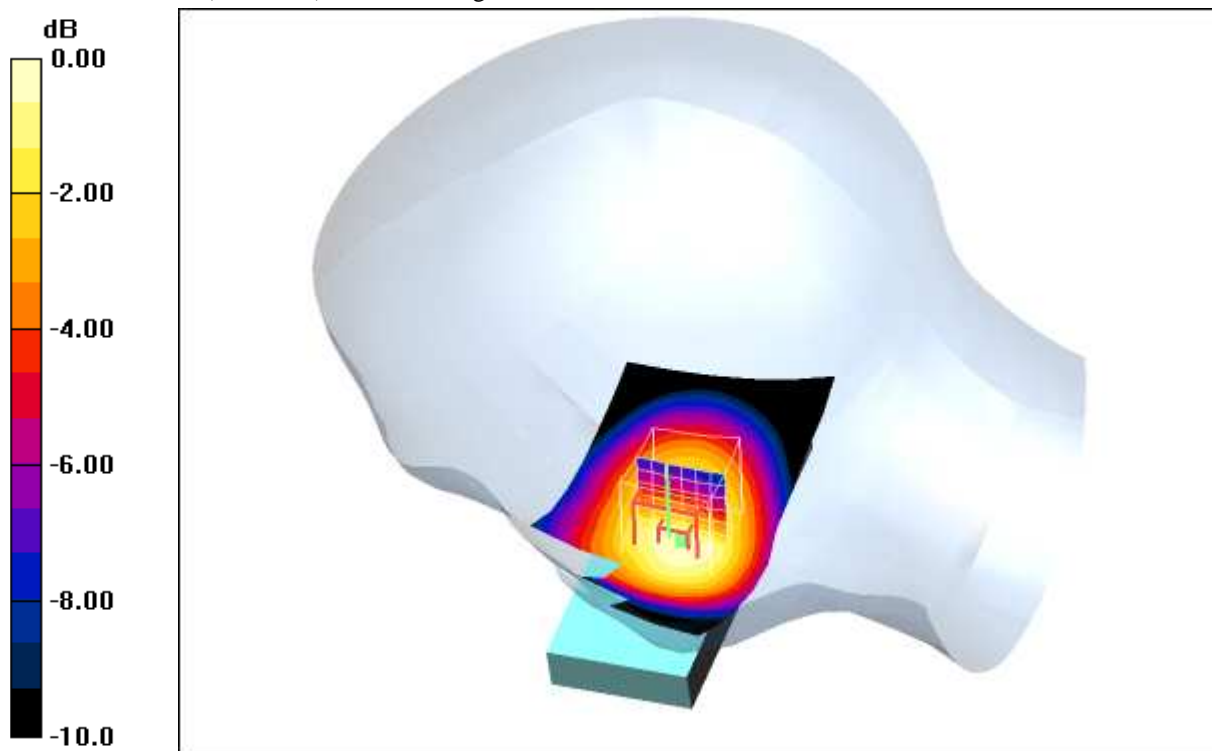
0 dB = 0.585mW/g

Additional information:

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

ambient temperature: 23.2 °C; liquid temperature: 22.2 °C

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Date/Time: 2009-06-04 21:09:15Date/Time: 2009-06-04 21:15:40

IEEE1528_OET65-RightHandSide-WCDMA FDD V open

DUT: Sony Ericsson; Type: AAD-3880040-BV; Serial: BX900MF7NH

Communication System: WCDMA FDD V; Frequency: 846.6 MHz; Duty Cycle: 1:1

Medium: HSL850 Medium parameters used (interpolated): f = 846.6 MHz; σ = 0.89 mho/m; ε_r = 42.2; ρ = 1000 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: 2009-01-08
- 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=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.547 mW/g

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

Reference Value = 25.4 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 0.691 W/kg

SAR(1 g) = 0.502 mW/g; SAR(10 g) = 0.357 mW/g

Maximum value of SAR (measured) = 0.536 mW/g
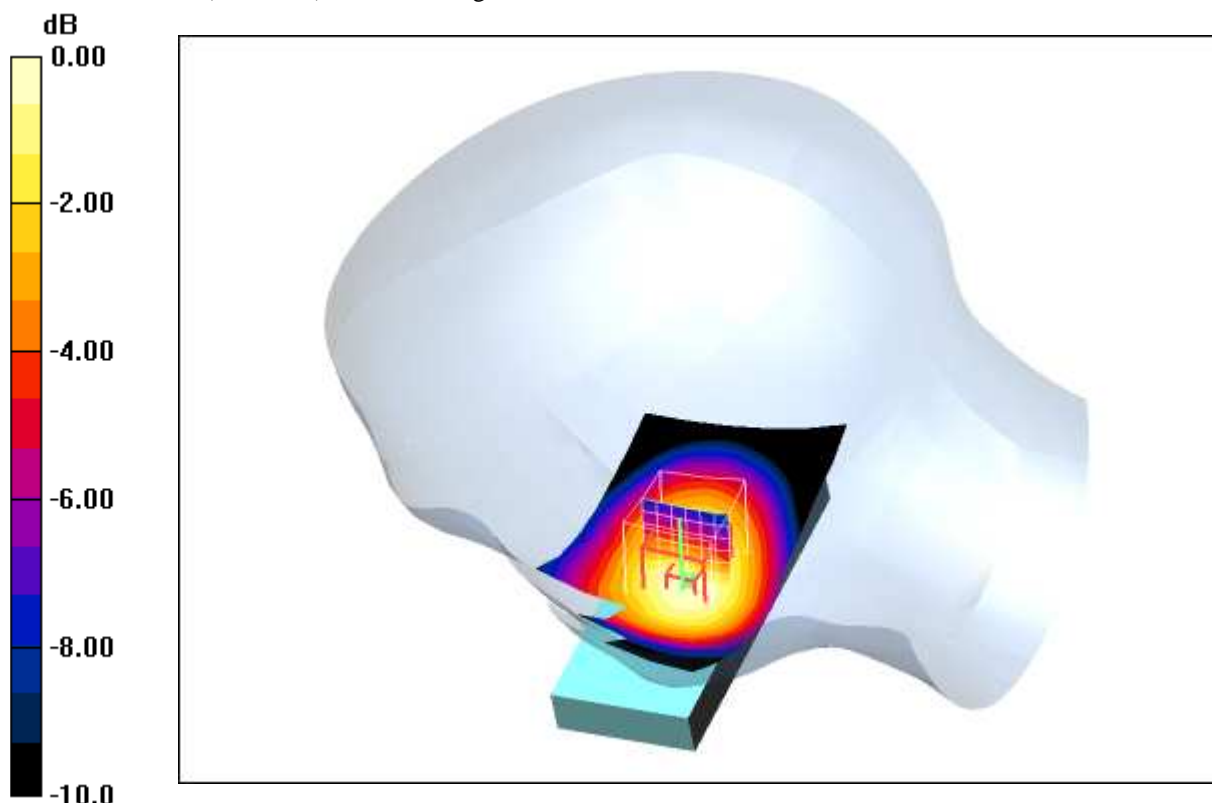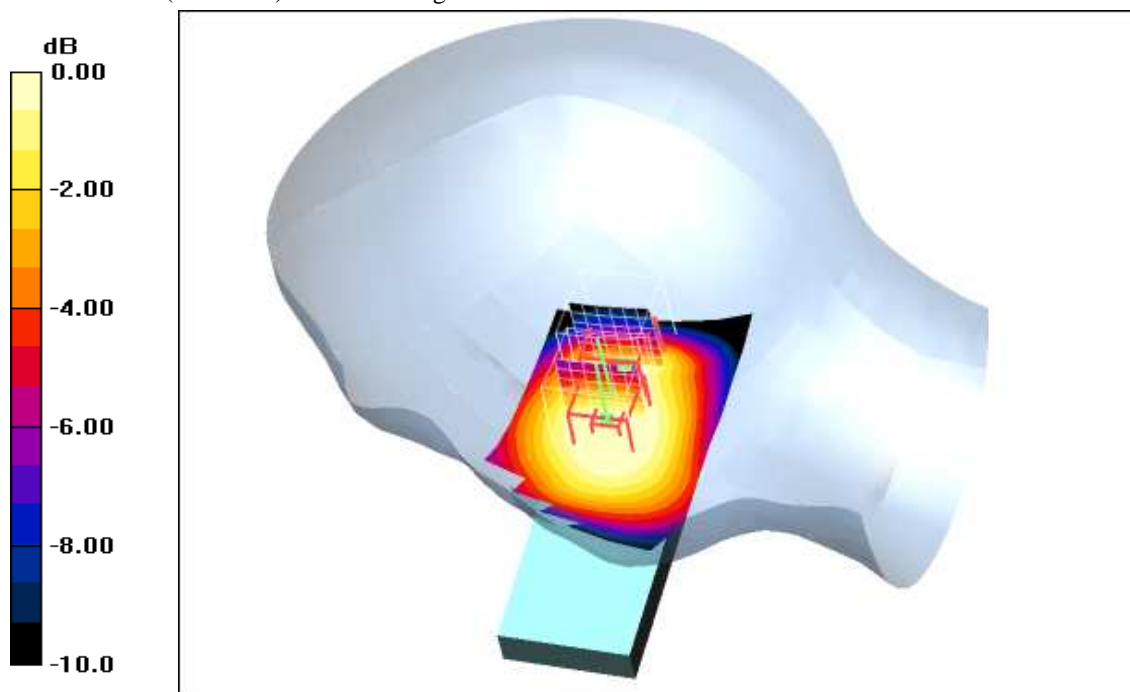

0 dB = 0.536mW/g

Additional information:

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

ambient temperature: 23.2 °C; liquid temperature: 22.2 °C

Date/Time: 2009-06-04 19:17:48Date/Time: 2009-06-04 19:25:56Date/Time: 2009-06-04 19:39:59

IEEE1528_OET65-RightHandSide-WCDMA FDD V open

DUT: Sony Ericsson; Type: AAD-3880040-BV; Serial: BX900MF7NH

Communication System: WCDMA FDD V; Frequency: 826.4 MHz; Duty Cycle: 1:1

Medium: HSL850 Medium parameters used (interpolated): f = 826.4 MHz; σ = 0.89 mho/m; ε_r = 42.2; ρ = 1000 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: 2009-01-08
- 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=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.291 mW/g

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

Reference Value = 18.3 V/m; Power Drift = -0.092 dB

Peak SAR (extrapolated) = 0.336 W/kg

SAR(1 g) = 0.265 mW/g; SAR(10 g) = 0.195 mW/g

Maximum value of SAR (measured) = 0.280 mW/g

Tilt position - Low/Zoom Scan (7x7x7) (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 18.3 V/m; Power Drift = -0.092 dB

Peak SAR (extrapolated) = 0.326 W/kg

SAR(1 g) = 0.206 mW/g; SAR(10 g) = 0.133 mW/g

Maximum value of SAR (measured) = 0.241 mW/g

0 dB = 0.241mW/g

Additional information:

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

ambient temperature: 23.2 °C; liquid temperature: 22.2 °C

Date/Time: 2009-06-04 19:55:34Date/Time: 2009-06-04 20:02:56Date/Time: 2009-06-04 20:17:56

IEEE1528_OET65-RightHandSide-WCDMA FDD V open

DUT: Sony Ericsson; Type: AAD-3880040-BV; Serial: BX900MF7NH

Communication System: WCDMA FDD V; Frequency: 836.4 MHz; Duty Cycle: 1:1

Medium: HSL850 Medium parameters used (interpolated): f = 836.4 MHz; σ = 0.89 mho/m; ε_r = 42.2; ρ = 1000 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: 2009-01-08
- 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=15mm, dy=15mm

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

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

Reference Value = 19.1 V/m; Power Drift = 0.085 dB

Peak SAR (extrapolated) = 0.378 W/kg

SAR(1 g) = 0.298 mW/g; SAR(10 g) = 0.218 mW/g

Maximum value of SAR (measured) = 0.314 mW/g

Tilt position - Middle/Zoom Scan (7x7x7) (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 19.1 V/m; Power Drift = 0.085 dB

Peak SAR (extrapolated) = 0.373 W/kg

SAR(1 g) = 0.233 mW/g; SAR(10 g) = 0.149 mW/g
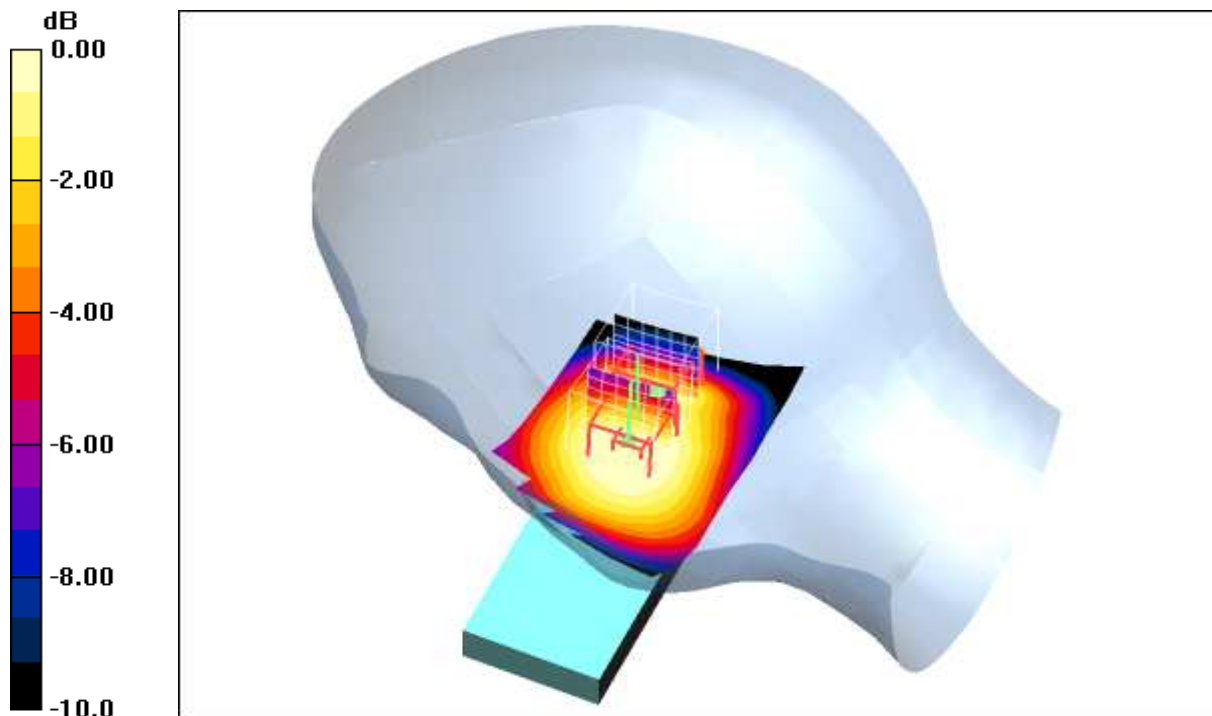
Maximum value of SAR (measured) = 0.273 mW/g

0 dB = 0.273mW/g

Additional information:

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

ambient temperature: 23.2 °C; liquid temperature: 22.2 °C

Date/Time: 2009-06-04 20:31:43Date/Time: 2009-06-04 20:42:32Date/Time: 2009-06-04 20:54:26

IEEE1528_OET65-RightHandSide-WCDMA FDD V open

DUT: Sony Ericsson; Type: AAD-3880040-BV; Serial: BX900MF7NH

Communication System: WCDMA FDD V; Frequency: 846.6 MHz; Duty Cycle: 1:1

Medium: HSL850 Medium parameters used (interpolated): f = 846.6 MHz; σ = 0.89 mho/m; $ε_r$ = 42.2; ρ = 1000 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: 2009-01-08
- 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=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.282 mW/g

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

Reference Value = 16.9 V/m; Power Drift = 0.176 dB

Peak SAR (extrapolated) = 0.306 W/kg

SAR(1 g) = 0.239 mW/g; SAR(10 g) = 0.175 mW/g

Maximum value of SAR (measured) = 0.252 mW/g

Tilt position - High/Zoom Scan (7x7x7) (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 16.9 V/m; Power Drift = 0.176 dB

Peak SAR (extrapolated) = 0.264 W/kg

SAR(1 g) = 0.184 mW/g; SAR(10 g) = 0.113 mW/g

Maximum value of SAR (measured) = 0.218 mW/g
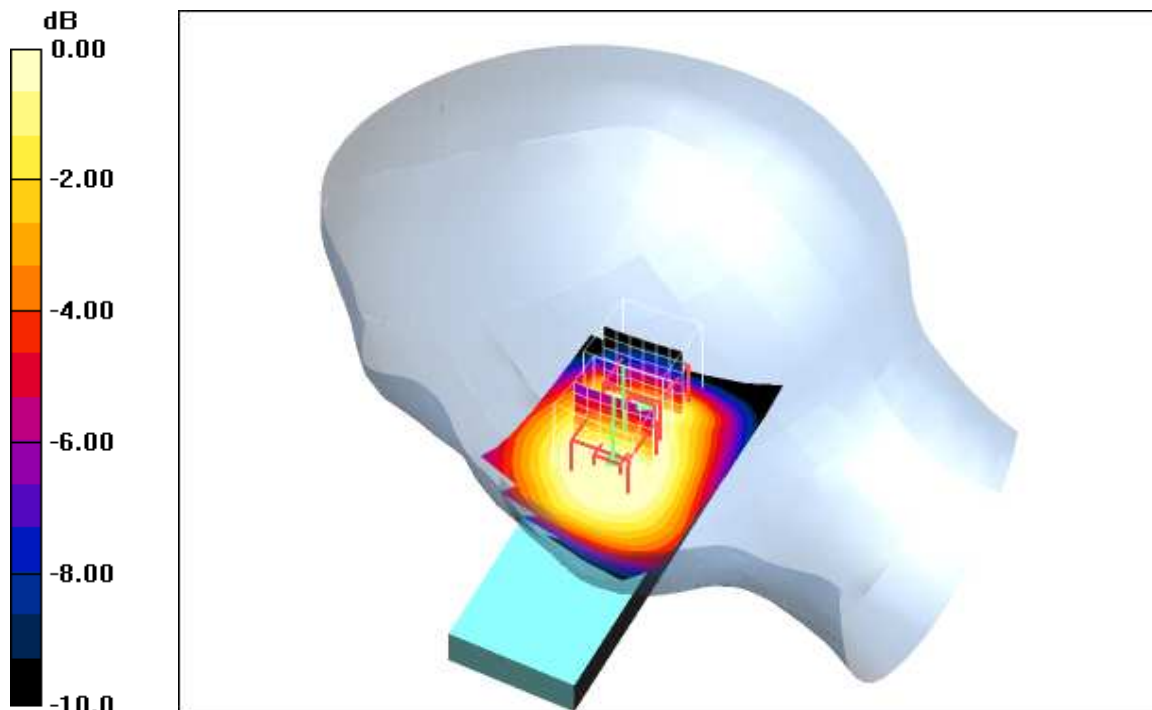
0 dB = 0.218mW/g

Additional information:

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

ambient temperature: 23.2 °C; liquid temperature: 22.2 °C

Annex 2.8   UMTS (WCDMA) FDD V 850 MHz body

Date/Time: 2009-06-10 11:32:50Date/Time: 2009-06-10 11:38:49

IEEE1528_OET65-Body-WCDMA FDD V
DUT: Sony Ericsson; Type: AAD-3880040-BV; Serial: BX900MF7NH

Communication System: WCDMA FDD V; Frequency: 826.4 MHz; Duty Cycle: 1:1
Medium: M850 Medium parameters used (interpolated): f = 826.4 MHz; σ = 0.97 mho/m; ε_r = 55; ρ = 1000 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: 2009-01-08
- 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=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.139 mW/g

Front position - Low/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 12.2 V/m; Power Drift = 0.099 dB
Peak SAR (extrapolated) = 0.183 W/kg
SAR(1 g) = 0.135 mW/g; SAR(10 g) = 0.097 mW/g
Maximum value of SAR (measured) = 0.142 mW/g
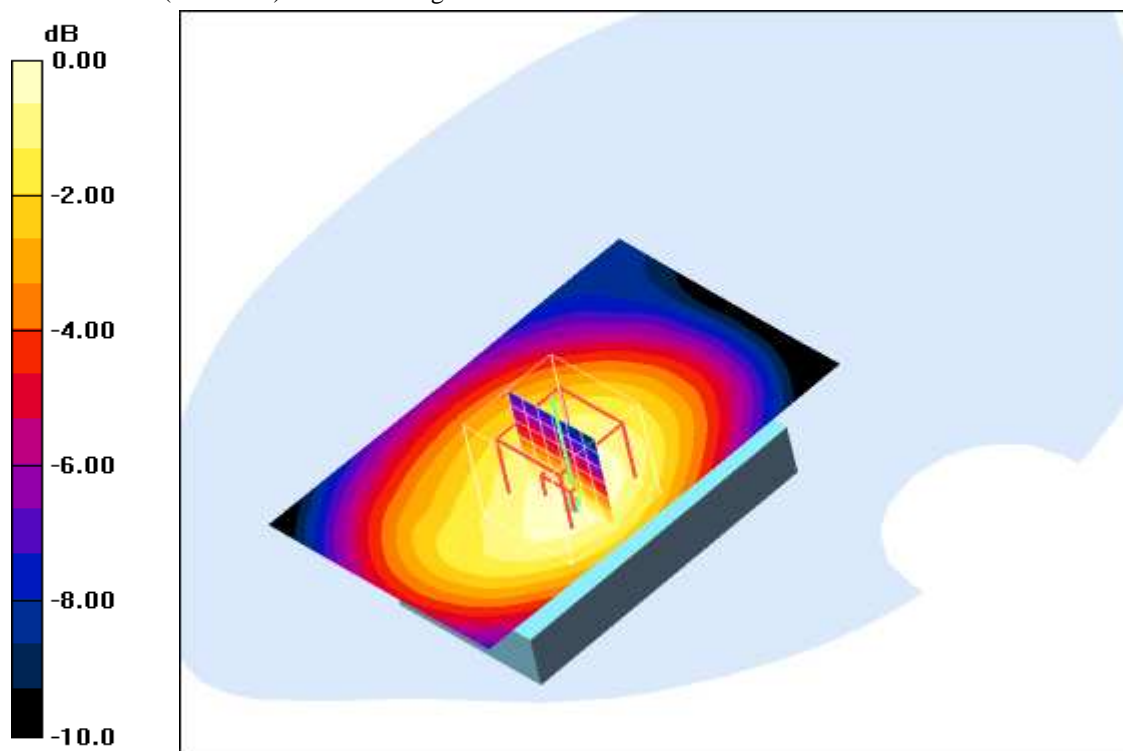
0 dB = 0.142mW/g

Additional information:
position or distance of DUT to SAM: 15 mm
ambient temperature: 23.5°C; liquid temperature: 22.8°C

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IEEE1528_OET65-Body-WCDMA FDD V

DUT: Sony Ericsson; Type: AAD-3880040-BV; Serial: BX900MF7NH

Communication System: WCDMA FDD V; Frequency: 836.4 MHz; Duty Cycle: 1:1

Medium: M850 Medium parameters used (interpolated): f = 836.4 MHz; σ = 0.97 mho/m; ε_r = 55; ρ = 1000 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: 2009-01-08
- 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=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.188 mW/g

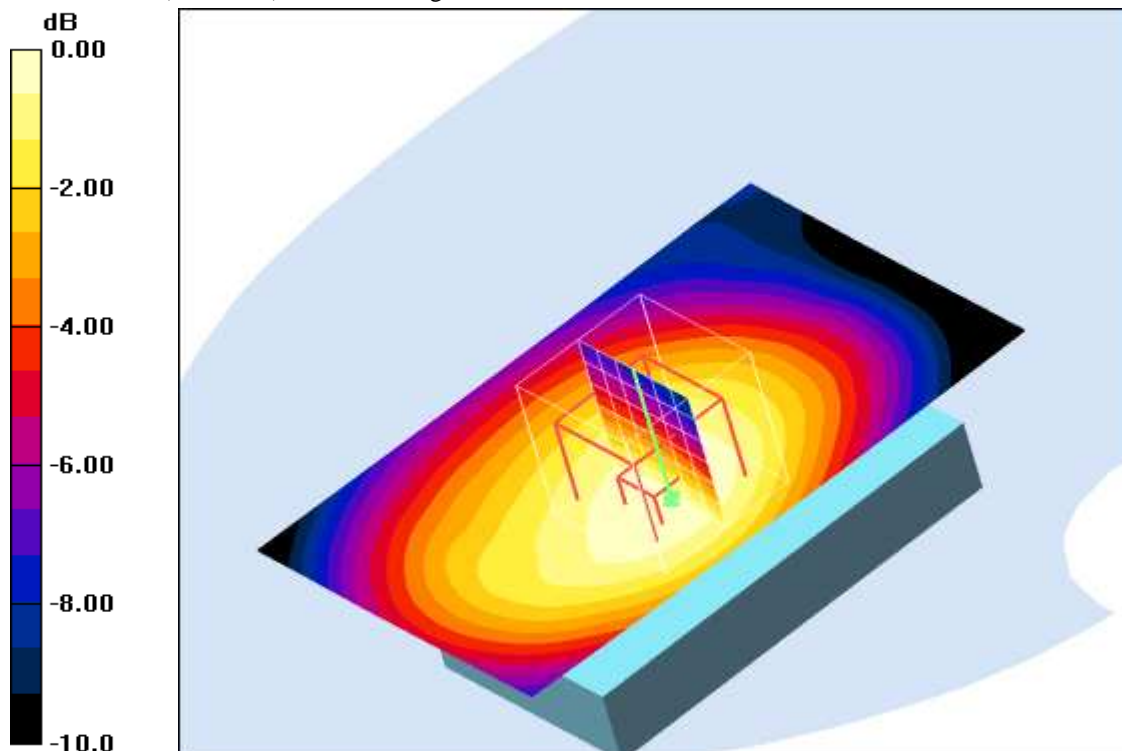## Front position - Middle/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 14.1 V/m; Power Drift = 0.010 dB

Peak SAR (extrapolated) = 0.245 W/kg

SAR(1 g) = 0.178 mW/g; SAR(10 g) = 0.127 mW/g

Maximum value of SAR (measured) = 0.189 mW/g
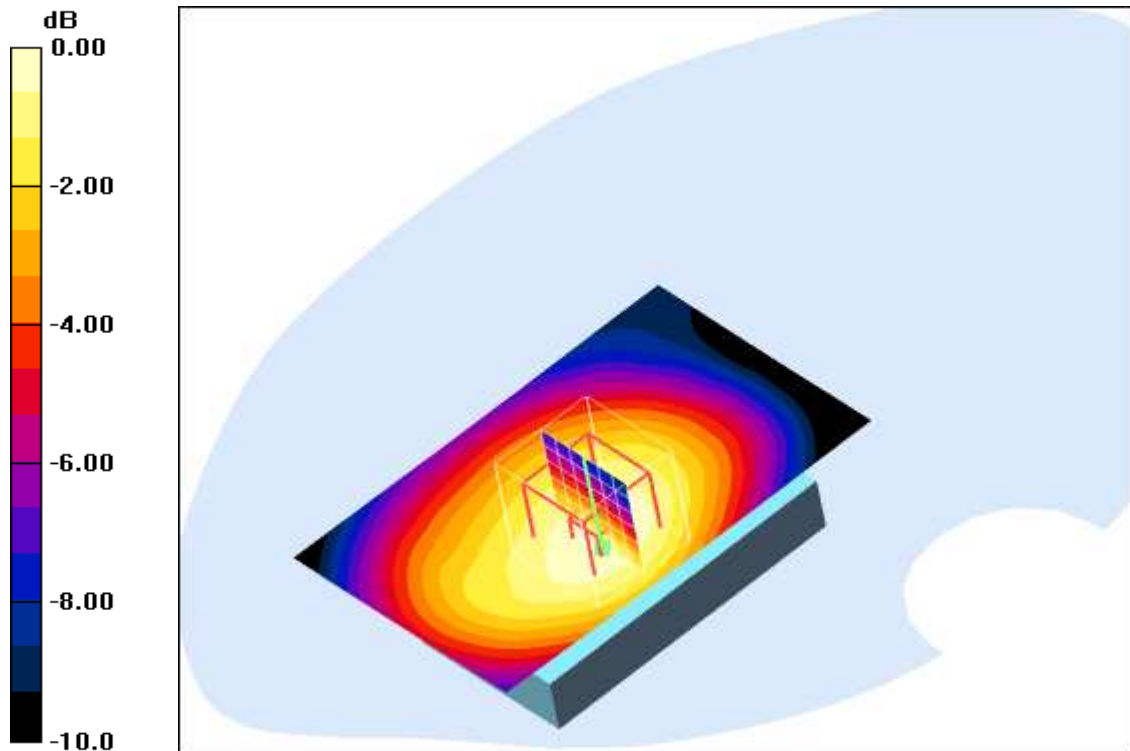
0 dB = 0.189mW/g

Additional information:

position or distance of DUT to SAM: 15 mm

ambient temperature: 23.5°C; liquid temperature: 22.8°C

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Date/Time: 2009-06-10 10:52:45Date/Time: 2009-06-10 10:58:44

IEEE1528_OET65-Body-WCDMA FDD V

DUT: Sony Ericsson; Type: AAD-3880040-BV; Serial: BX900MF7NH

Communication System: WCDMA FDD V; Frequency: 846.6 MHz; Duty Cycle: 1:1

Medium: M850 Medium parameters used (interpolated): f = 846.6 MHz; σ = 0.97 mho/m; ε_r = 55; ρ = 1000 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: 2009-01-08
- 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=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.173 mW/g

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

Reference Value = 13.5 V/m; Power Drift = -0.011 dB

Peak SAR (extrapolated) = 0.223 W/kg

SAR(1 g) = 0.163 mW/g; SAR(10 g) = 0.116 mW/g

Maximum value of SAR (measured) = 0.172 mW/g

0 dB = 0.172mW/g

Additional information:

position or distance of DUT to SAM: 15 mm

ambient temperature: 23.5°C; liquid temperature: 22.8°C

CETECOM ICT Services GmbH

IEEE1528_OET65-Body-WCDMA FDD V

DUT: Sony Ericsson; Type: AAD-3880040-BV; Serial: BX900MF7NH

Communication System: WCDMA FDD V; Frequency: 826.4 MHz; Duty Cycle: 1:1

Medium: M850 Medium parameters used (interpolated): f = 826.4 MHz; σ = 0.97 mho/m; ε_r = 55; ρ = 1000 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: 2009-01-08
- 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=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.274 mW/g

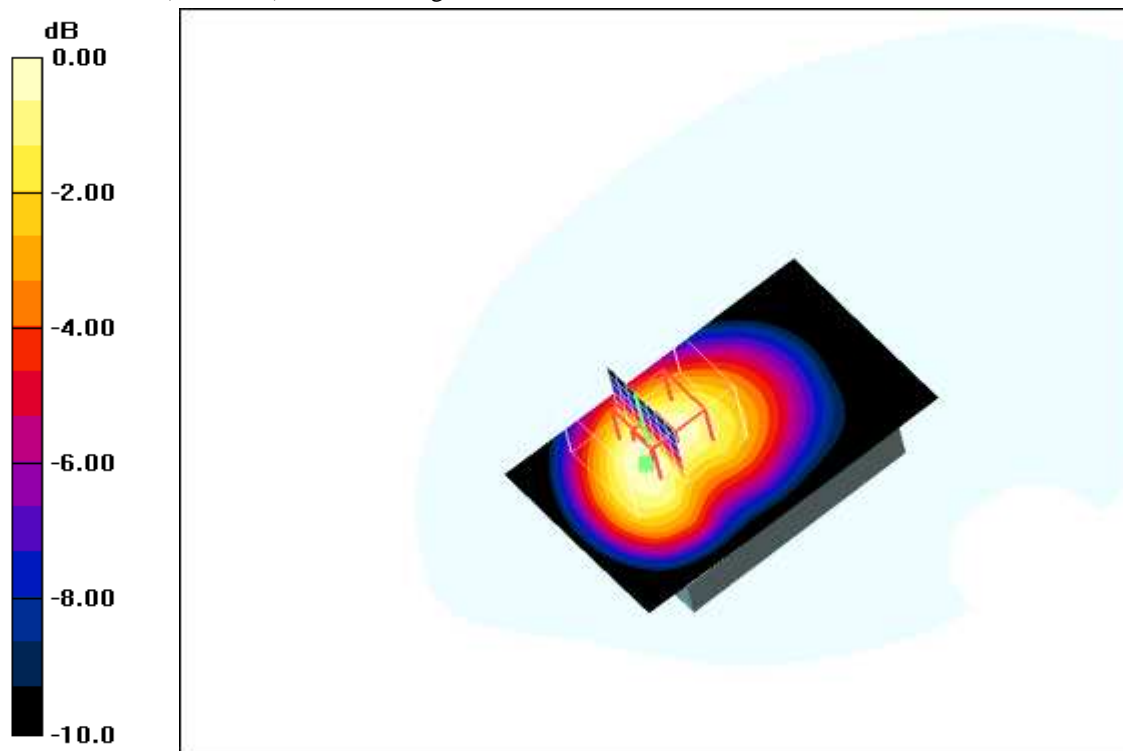## Rear position - Low/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 16.7 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.393 W/kg

SAR(1 g) = 0.254 mW/g; SAR(10 g) = 0.163 mW/g

Maximum value of SAR (measured) = 0.273 mW/g
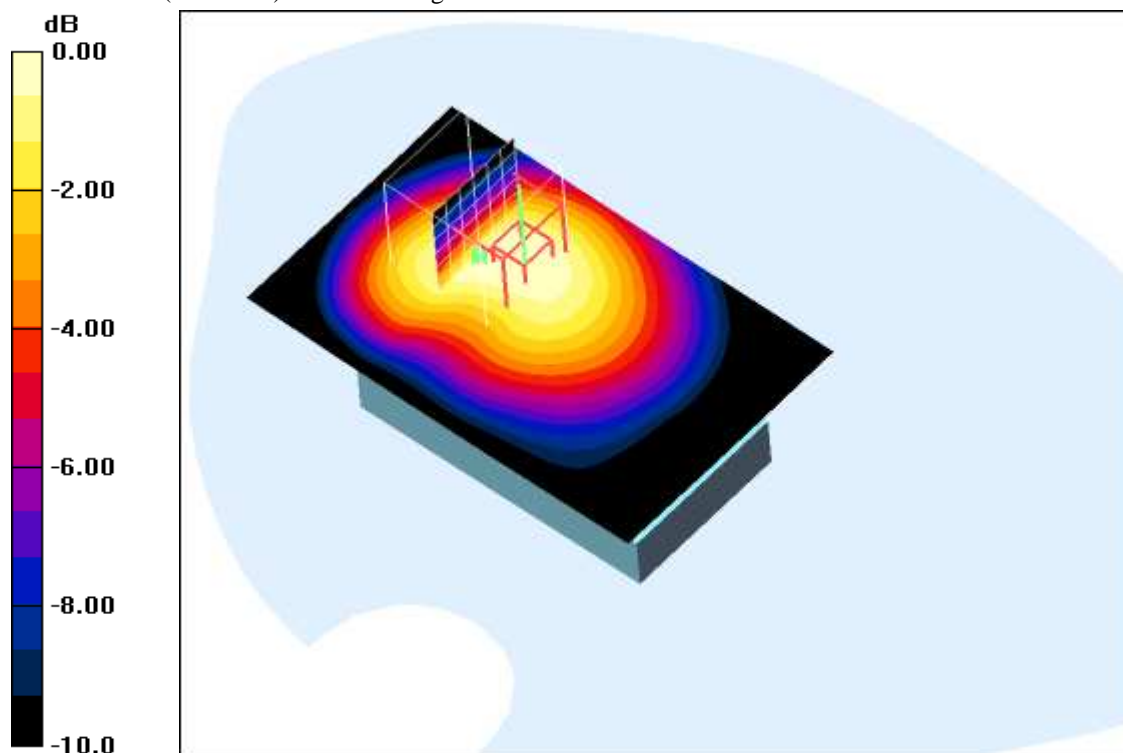
0 dB = 0.273mW/g

Additional information:

position or distance of DUT to SAM: 15 mm

ambient temperature: 23.3°C; liquid temperature: 22.7°C

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Date/Time: 2009-06-10 09:48:48Date/Time: 2009-06-10 09:56:49

IEEE1528_OET65-Body-WCDMA FDD V

DUT: Sony Ericsson; Type: AAD-3880040-BV; Serial: BX900MF7NH

Communication System: WCDMA FDD V; Frequency: 836.4 MHz; Duty Cycle: 1:1

Medium: M850 Medium parameters used (interpolated): f = 836.4 MHz; σ = 0.97 mho/m; ε_r = 55; ρ = 1000 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: 2009-01-08
- 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=15mm, dy=15mm

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

Rear position - Middle/Zoom Scan (7x7x7) (8x10x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 20.0 V/m; Power Drift = 0.053 dB

Peak SAR (extrapolated) = 0.573 W/kg

SAR(1 g) = 0.369 mW/g; SAR(10 g) = 0.241 mW/g
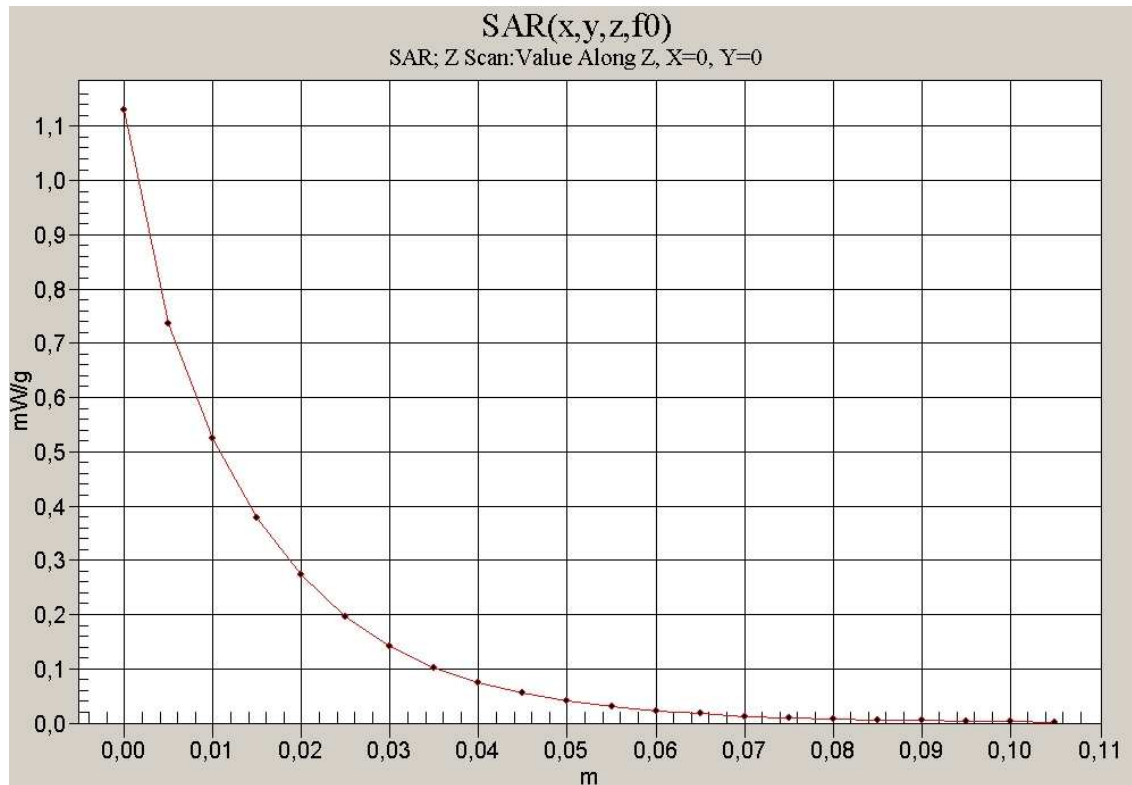
Maximum value of SAR (measured) = 0.397 mW/g
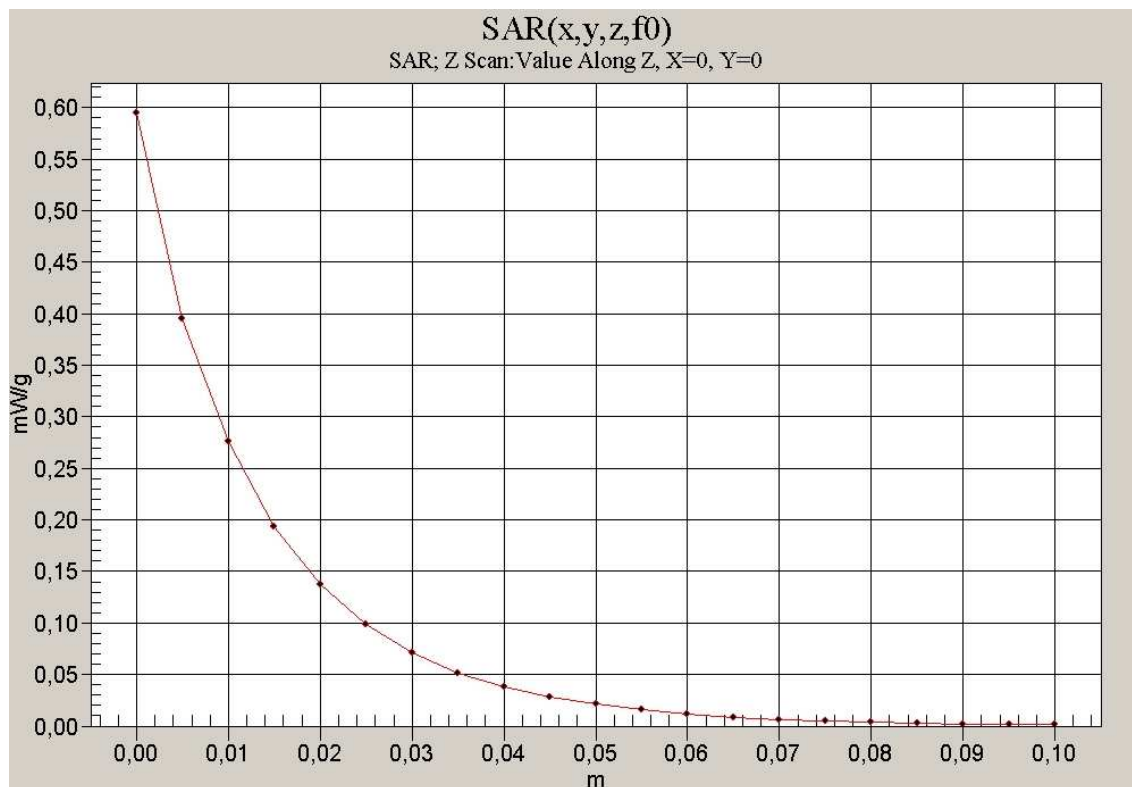

0 dB = 0.397mW/g

Additional information:

position or distance of DUT to SAM: 15 mm
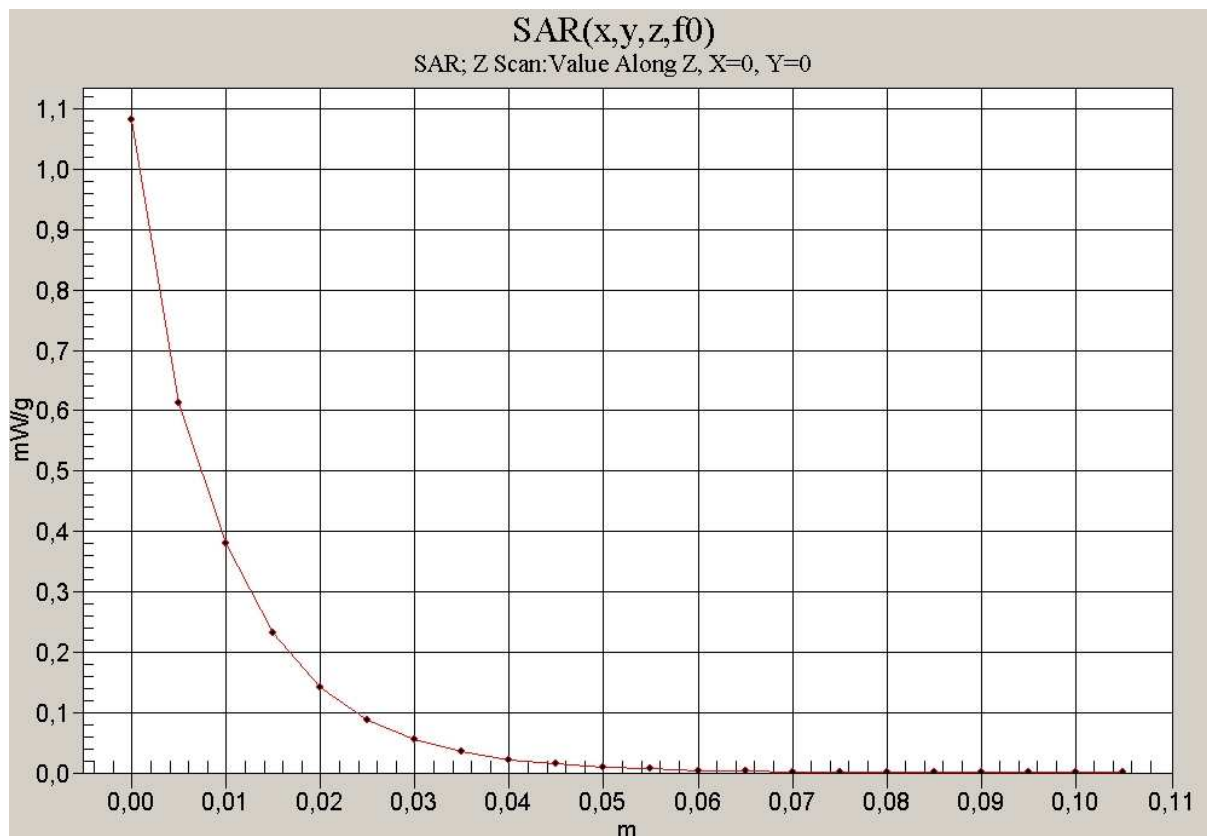
ambient temperature: 23.3°C; liquid temperature: 22.7°C

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CETECOM™

IEEE1528_OET65-Body-WCDMA FDD V

DUT: Sony Ericsson; Type: AAD-3880040-BV; Serial: BX900MF7NH

Communication System: WCDMA FDD V; Frequency: 846.6 MHz; Duty Cycle: 1:1

Medium: M850 Medium parameters used (interpolated): f = 846.6 MHz; σ = 0.97 mho/m; ε_r = 55; ρ = 1000 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: 2009-01-08
- 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=15mm, dy=15mm

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

Rear position -High/Zoom Scan (7x7x7) (8x10x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 18.6 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.489 W/kg

SAR(1 g) = 0.318 mW/g; SAR(10 g) = 0.207 mW/g

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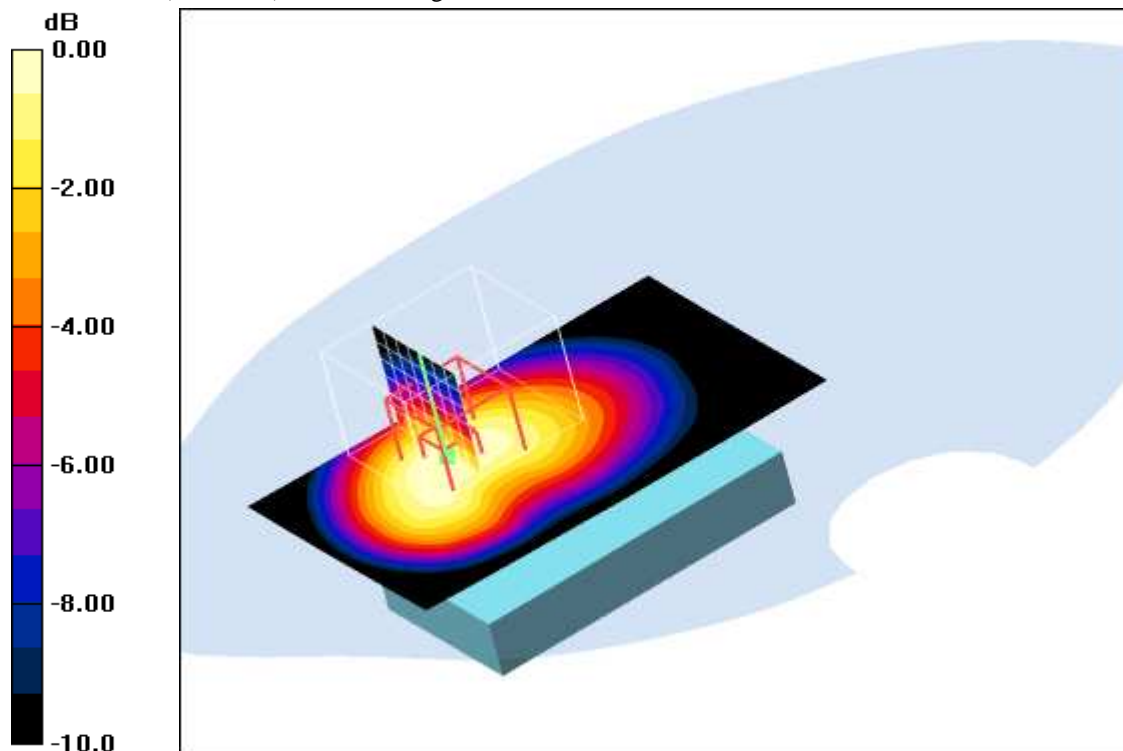
0 dB = 0.341mW/g

Additional information:

position or distance of DUT to SAM: 15 mm

ambient temperature: 23.3°C; liquid temperature: 22.7°C
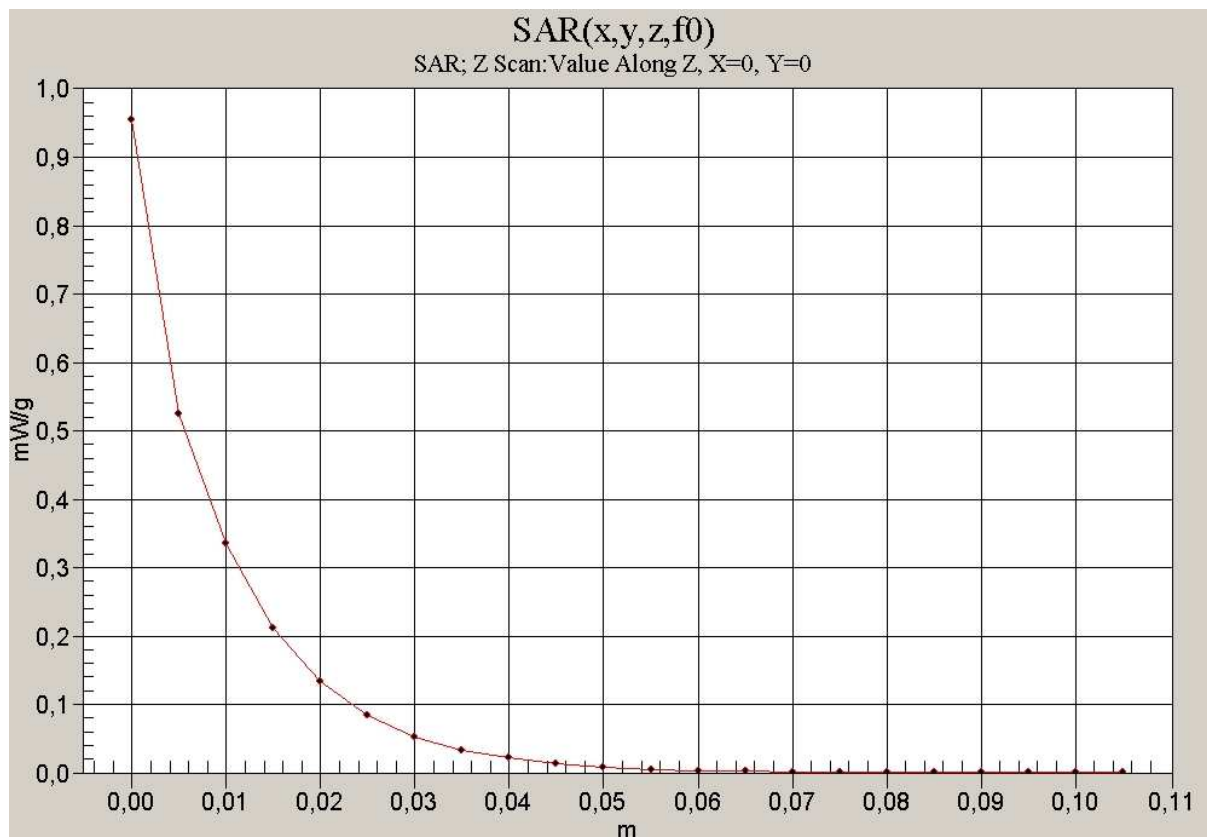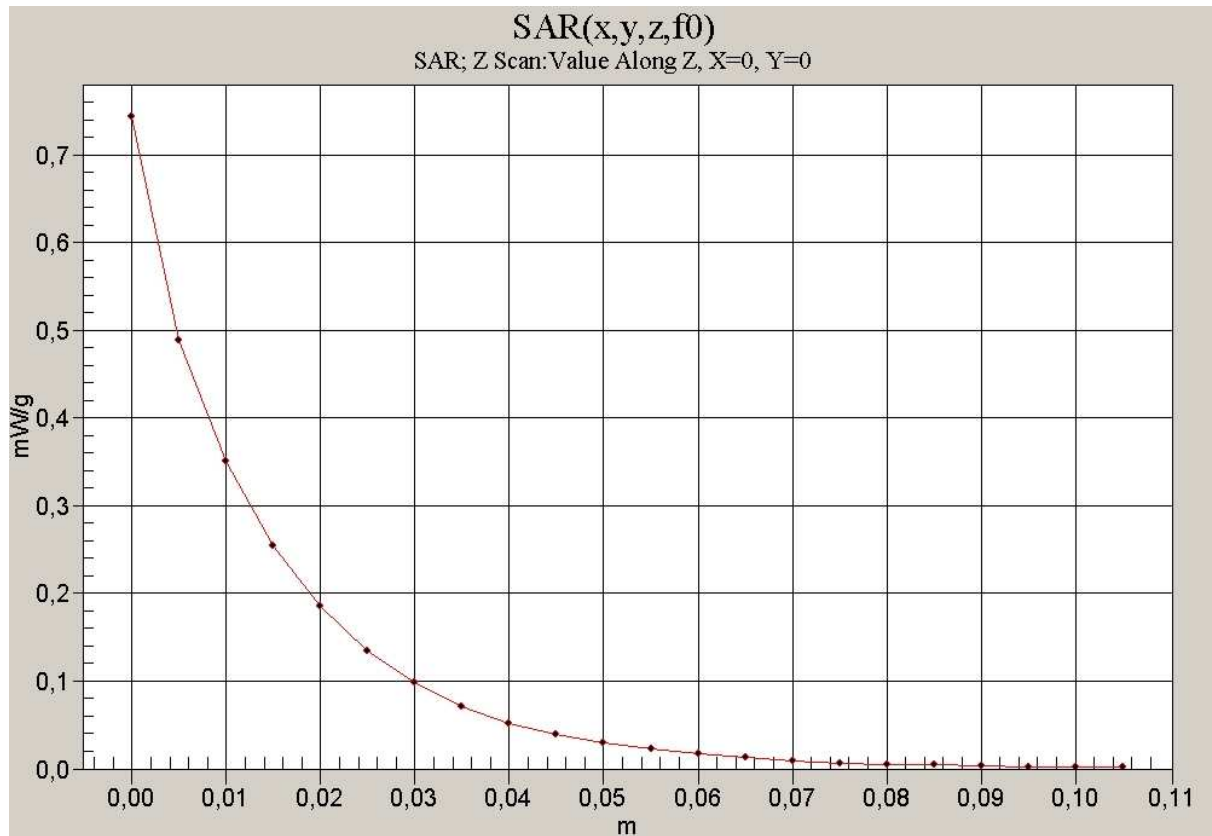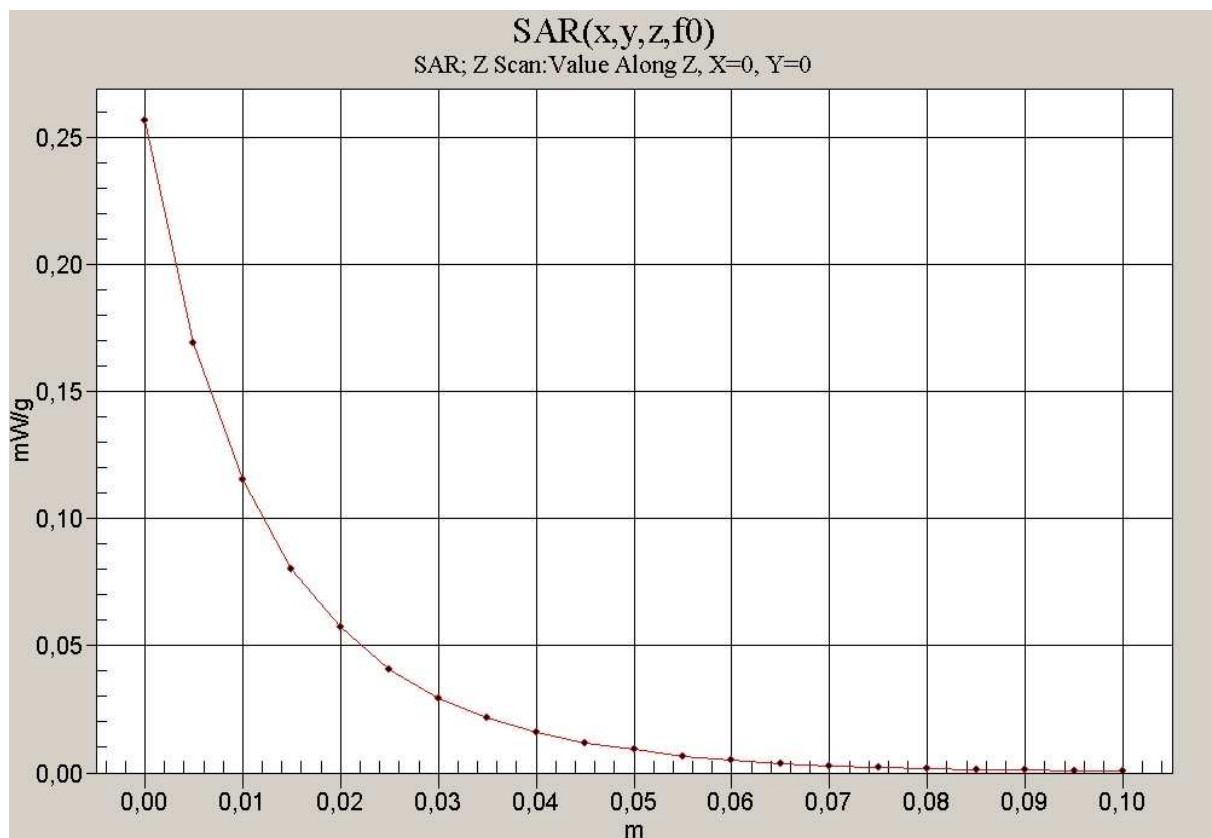
Annex 2.9   Z-axis scans

850 head

850 body

SAR(x,y,z,f0)
SAR; Z Scan:Value Along Z, X=0, Y=0

1900 head

SAR(x,y,z,f0)
SAR; Z Scan:Value Along Z, X=0, Y=0

1900 body

SAR(x,y,z,f0)
SAR; Z Scan:Value Along Z, X=0, Y=0

FDD V 850 head

SAR(x,y,z,f0)
SAR; Z Scan:Value Along Z, X=0, Y=0

FDD V 850 body
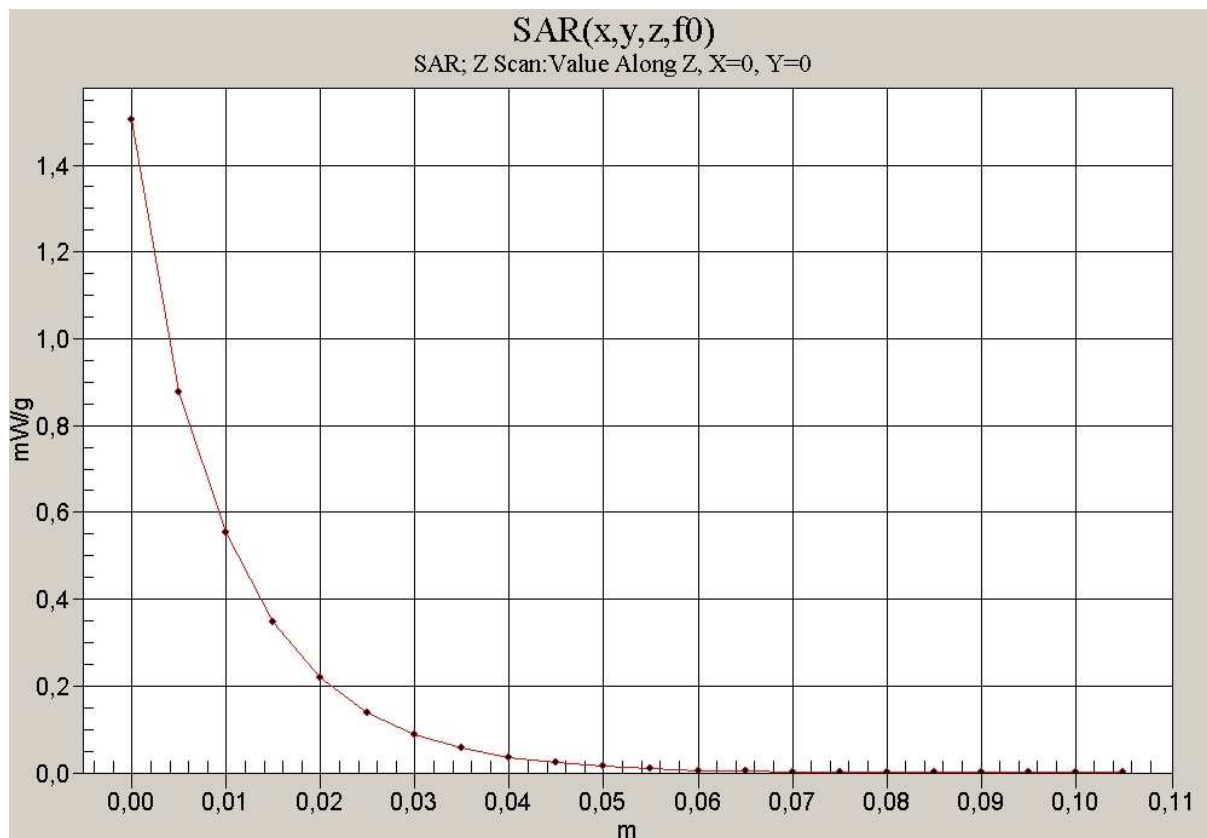
FDD II 1900 head

FDD II 1900 body

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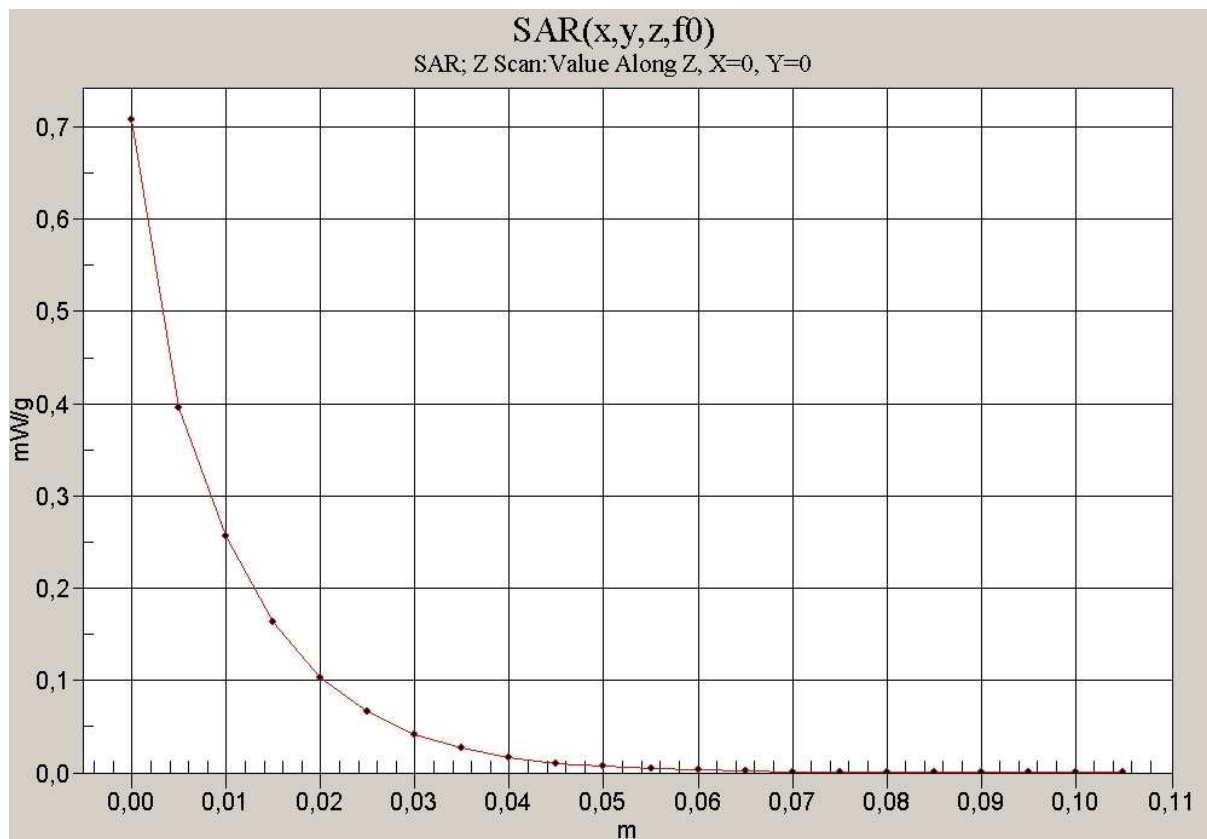
Annex 3 Photo documentation

Photo 1: Measurement System DASY 4

Photo 2: DUT - front view

Photo 3: DUT - front view (slide opened)

Photo 4: DUT - side view (slide opened)

Photo 5: DUT - side view

Photo 6: DUT - rear view (slide opened)

Photo 7: DUT - rear view

Photo 8: DUT - rear view (open)

Photo 9: DUT - rear view (open) without battery

Photo 10: The battery

Photo 11: DUT - rear view (label)

Photo 12: Test position left hand touched
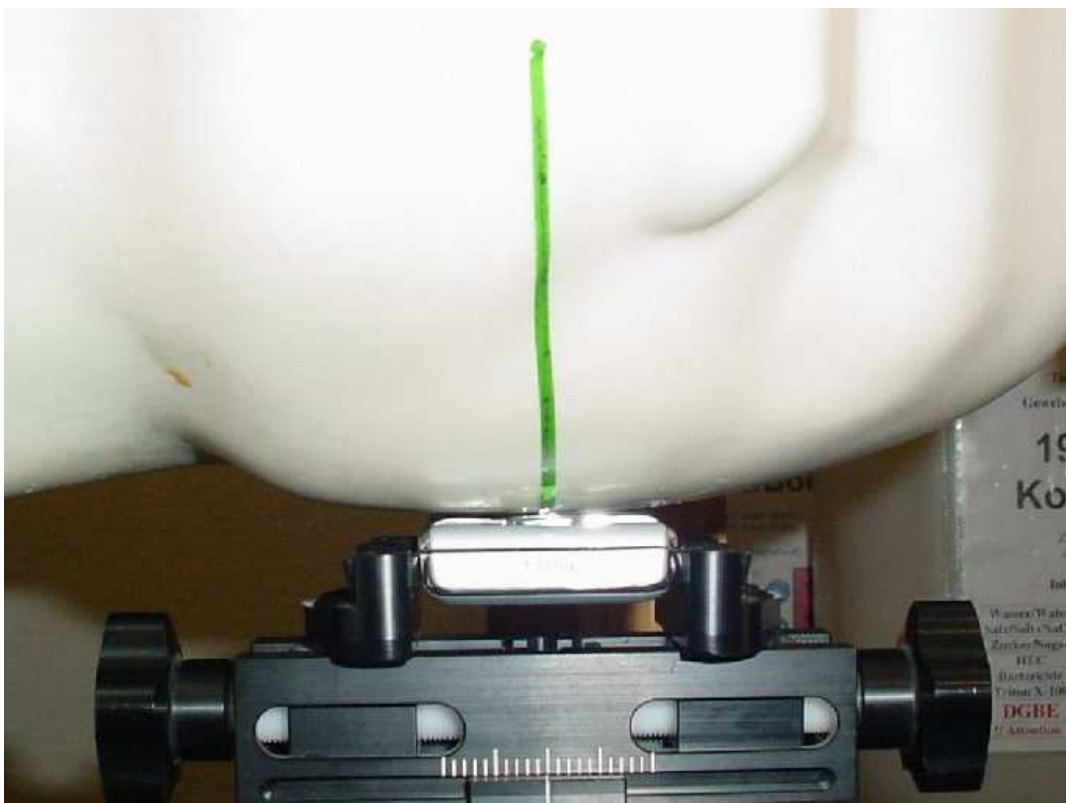
Photo 13: Test position left hand touched

Photo 14: Test position left hand touched

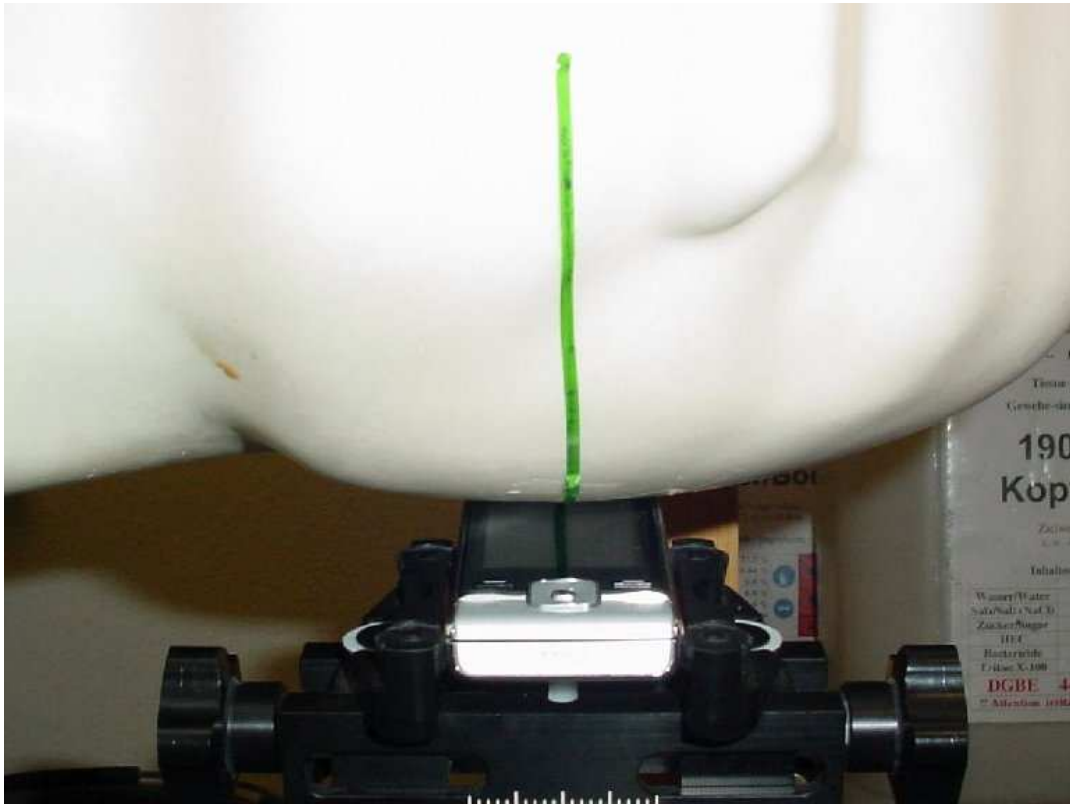Photo 15: Test position left hand tilted 15°

Photo 16: Test position left hand tilted 15°

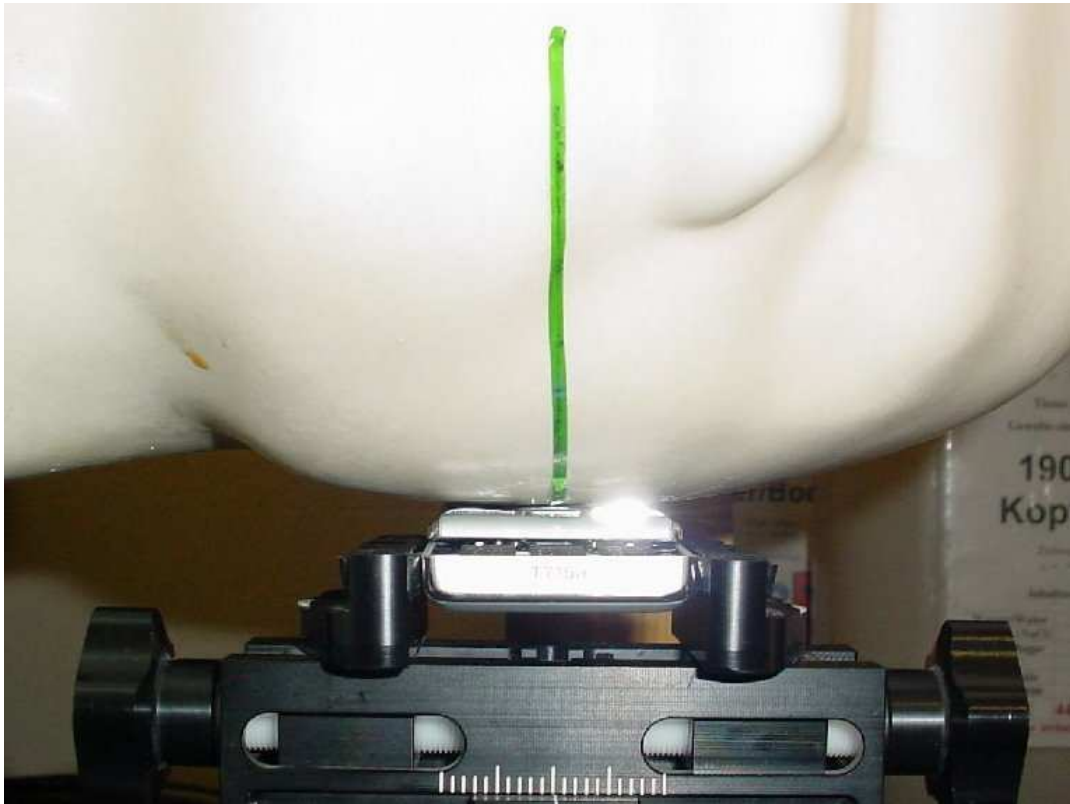Photo 17: Test position left hand touched slide opened

Photo 18: Test position left hand touched slide opened

Photo 19: Test position left hand touched slide opened

Photo 20: Test position left hand tilted 15° slide opened
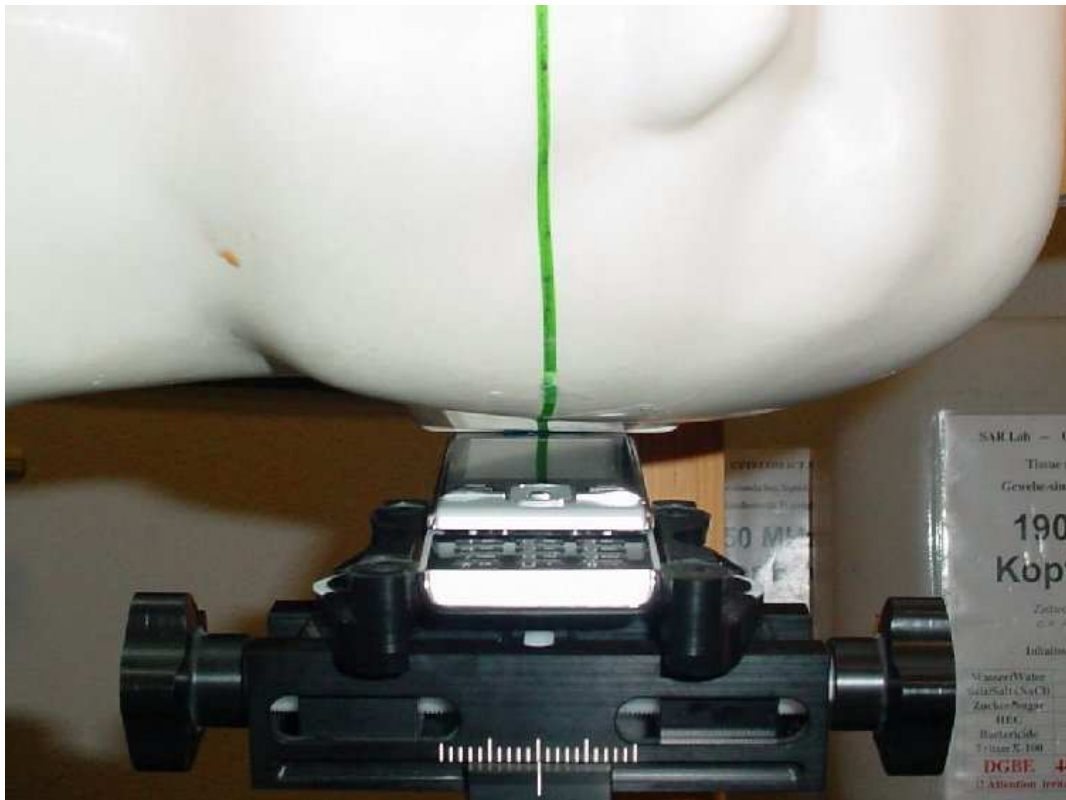
Photo 21: Test position left hand tilted 15° slide opened

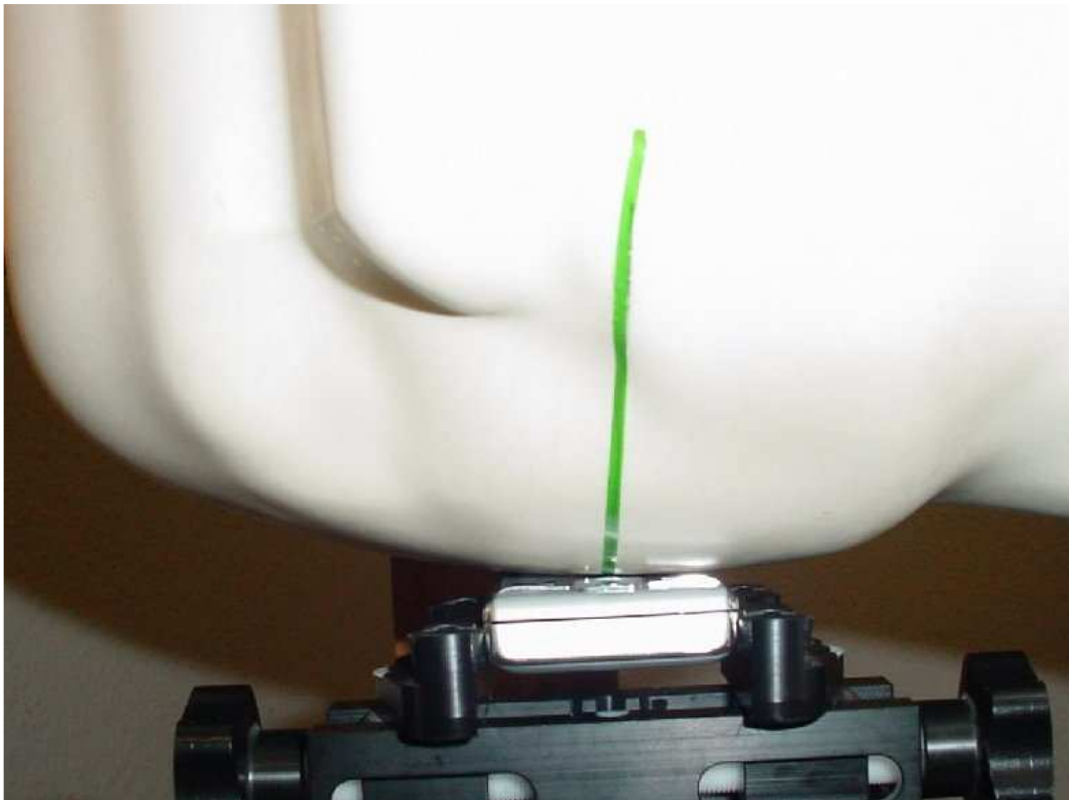Photo 22: Test position right hand touched

Photo 23: Test position right hand touched

Photo 24: Test position right hand touched
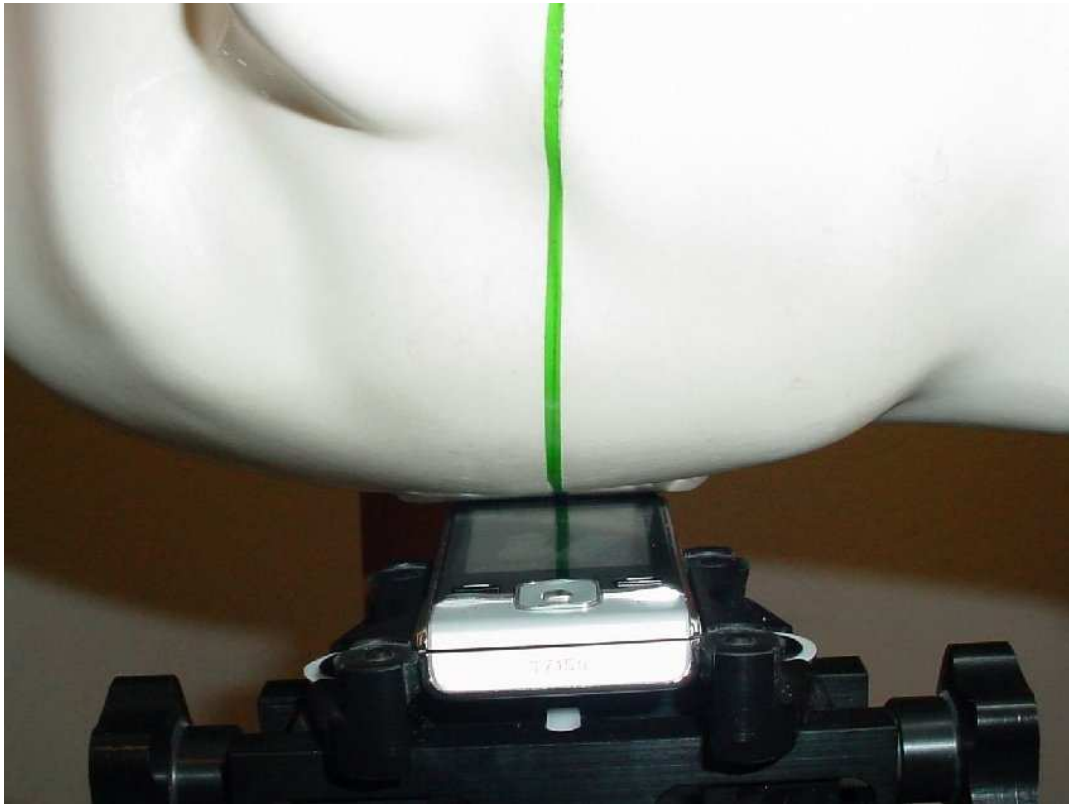
Photo 25: Test position right hand tilted 15°

Photo 26: Test position right hand tilted 15°

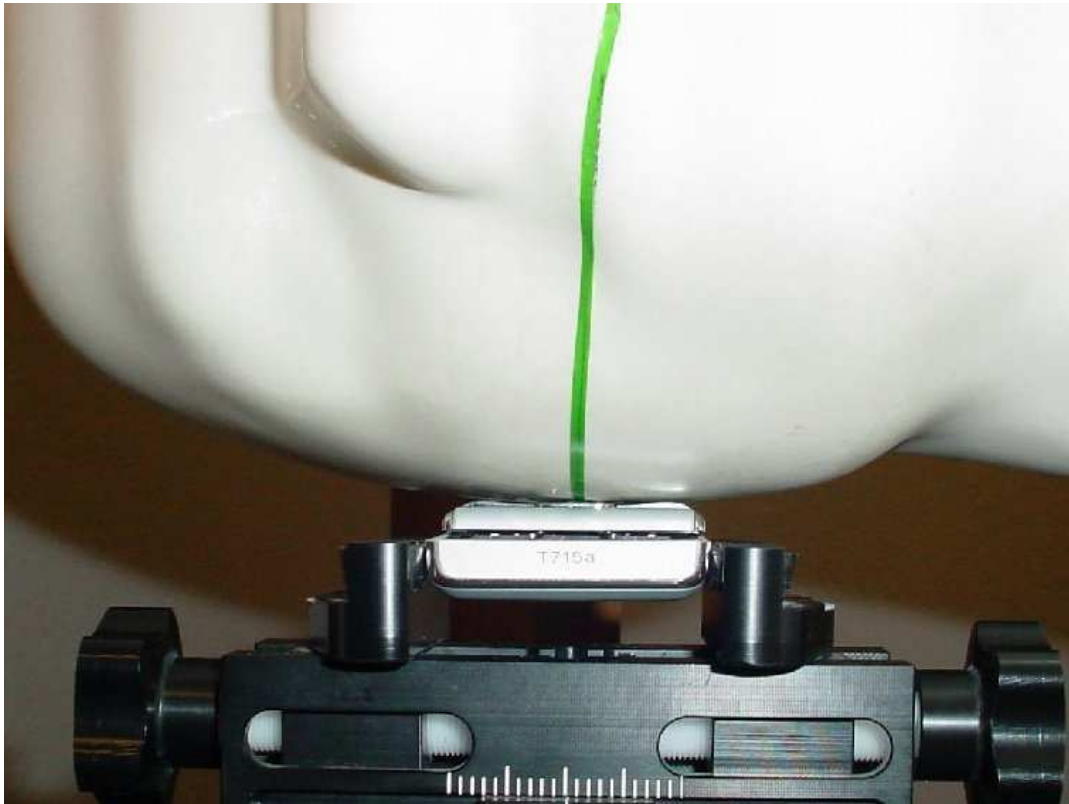Photo 27: Test position right hand touched slide opened

Photo 28: Test position right hand touched slide opened

Photo 29: Test position right hand touched slide opened

Photo 30: Test position right hand tilted 15° slide opened

Photo 31: Test position right hand tilted 15° slide opened

Photo 32: Test position body worn front side (15 mm distance)

Photo 33: Test position body worn front side (15 mm distance)

Photo 34: Test position body worn rear 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

Annex 4   RF Technical Brief Cover Sheet acc. to RSS-102

1. COMPANY NUMBER: 4170B

2. MODEL NUMBER: A3880040

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: 100 %**
• **Standard used for evaluation: RSS-102 Issue 2 (2005-11)**

• **SAR value: 1.280 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: 0.862 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: _Thomas Vog_   **Date: 2009-06-15**

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. 1-1065-31-02/09'
Calibration data, Phantom certificate
and detail information of the DASY4 System