CETECOM ICT Services GmbH
Untertuerkheimer Str. 6-10, 66117 Saarbruecken, Germany Phone: +49 (0) 681 598-0 Fax: -8475
SAR-Laboratory Phone: +49 (0) 681 598-8454 .

Accredited testing laboratory

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

Test report no. : 2-4883-60-05/08-A
Type identification : AAD-3252081-BV
Test specification : IEEE 1528-2003
FCC-ID : PY7A3252081
IC-ID : 4170B-A3252081

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.

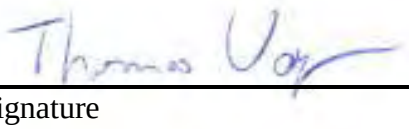
1.1.1 Statement of Compliance

The SAR values found for the AAD-3252081-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:

2008-10-02	**Oleksandr Hnatovskiy**	
Date	Name	Signature

Technical responsibility for area of testing:

2008-10-02	**Thomas Vogler**	
Date	Name	Signature

1.2 Testing laboratory

CETECOM ICT Services GmbH
Untertuerkheimer Straße 6-10,
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: Nya Vattentornet
Town: 22188 Lund
Country: Sweden

Contact: Mr. Peter Lindeborg
Telephone: +46-46-212-6180

1.4 Application details

Date of receipt of application: 2008-09-19
Date of receipt of test item: 2008-09-18
Start/Date of test: 2008-09-19
End of test: 2008-09-29

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

1.5 Test item

Description of the test item: Mobile Phone
Type identification: AAD-3252081-BV
FCC-ID : PY7A3252081
IC-ID : 4170B-A3252081
Serial number: CB5112VESN / CB5112VFEC (WLAN)

Manufacturer:
Name: Sony Ericsson Mobile Communications AB
Street: Nya Vattentornet
Town: 22188 Lund
Country: Sweden

additional information on the DUT:		
device type :	portable device	
IMEI No :	00440107575524-5 / 00440107575802-5 (WLAN)	
exposure category:	uncontrolled environment / general population	
test device production information	production unit	
device operating configurations :		
operating mode(s)	GSM, DCS, PCS, UMTS/WCDMA, WLAN, Bluetooth	
modulation	GMSK, 8-PSK, 2*BPSK/HPSK(ul), DSSS, OFDM	
GPRS mobile station class :	B	
GPRS 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 band)	
measured averaged peak output power (conducted):	850 MHz band: 34.2 dBm (GMSK); 31.0 dBm (8-PSK) 1900 MHz band: 31.3 dBm (GMSK); 29.9 dBm (8-PSK) FDD II band: 23.1 dBm; FDD V: 23.9 dBm (RMS max.) WLAN 16.8 dBm (802.11b); 21.6 dBm (802.11g)	
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) 1 – 6 – 11 (WLAN 2.4 GHz)	
hardware / software version :	AP1 / R1BA010	
antenna type :	Integrated antenna	
accessories/body-worn configurations:	stereo headset	
battery options :	Sony Ericsson Battery BST-33 Li-Polymer 3.6V 950mAh	

1.6 Test specification(s)

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

IEEE 1528-2003 (April 21, 2003)

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

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

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

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

1.6.1 RF exposure limits

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

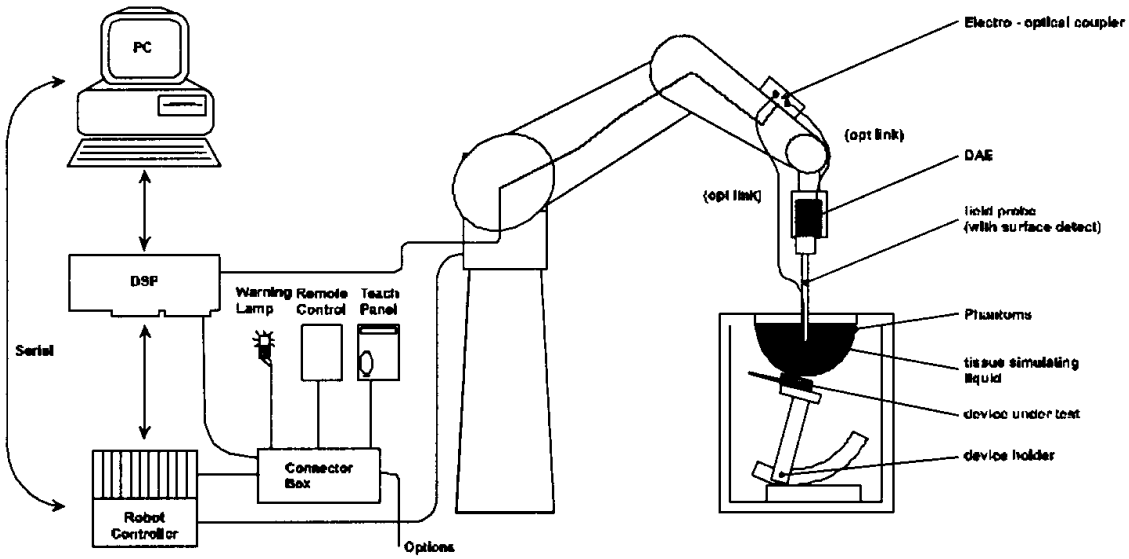
The measurement system is described in chapter 2.4.

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.

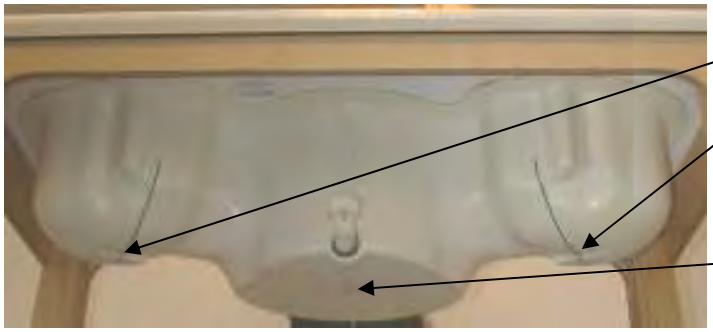
2.4.3 Probe description

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.



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 ± 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 ± 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 23, 2008
☒	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	5d009	August 19, 2008
☒	Schmid & Partner Engineering AG	2450 MHz System Validation Dipole	D2450V2	710	August 20, 2008
☒	Schmid & Partner Engineering AG	Data acquisition electronics	DAE3V1	413	January 18, 2008
☒	Schmid & Partner Engineering AG	Data acquisition electronics	DAE3V1	477	May 14, 2008
☒	Schmid & Partner Engineering AG	Software	DASY 4 V4.5 / V4.7	---	N/A
☒	Schmid & Partner Engineering AG	Phantom	SAM	---	N/A
☒	Rohde & Schwarz	Universal Radio Communication Tester	CMU 200	832221/055	March 20, 2008
☒	Hewlett Packard)*	Network Analyser 300 kHz to 6 GHz	8753C	2937U00269	March 13, 2007
☒	Hewlett Packard)*	Network Analyser 300 kHz to 6 GHz	85047A	2936A00872	March 13, 2007
☒	Hewlett Packard	Dielectric Probe Kit	85070C	US99360146	N/A
☒	Hewlett Packard	Signal Generator	8665A	2833A00112	November 12, 2007
☒	Amplifier Reasearch	Amplifier	25S1G4 (25 Watt)	20452	N/A
☒	Rohde & Schwarz	Power Meter	NRP	101367	January 9, 2008
☒	Rohde & Schwarz	Power Meter Sensor	NRP Z22	100227	January 9, 2008
☒	Rohde & Schwarz	Power Meter Sensor	NRP Z22	100234	January 9, 2008

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

2.4.10 Tissue simulating liquids: dielectric properties

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

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

Ingredients (% of weight)	**Frequency (MHz)**					
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	42.5	0.88	2008-09-24
900	41.5	0.97	41.7	0.95	2008-09-24
835	41.5	0.90	42.5	0.88	2008-09-25
900	41.5	0.97	41.7	0.95	2008-09-25
1900	40.0	1.40	39.7	1.41	2008-09-21
1900	40.0	1.40	39.7	1.41	2008-09-22
2450	39.2	1.80	38.7	1.88	2008-09-22

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	55.9	0.97	2008-09-19
900	55.0	1.05	55.3	1.04	2008-09-19
1900	53.3	1.52	52.6	1.52	2008-09-23
1900	53.3	1.52	52.6	1.52	2008-09-24
2450	52.7	1.95	52.1	2.00	2008-09-25

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 ± 10,3% (K=1).
The expanded uncertainty (k=2) is assessed to be ± 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	± 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	± 9.6%	Rectangular	√3	0.7	0.7	± 3.9%	± 3.9%	∞
Spatial resolution	± 0.0%	Rectangular	√3	1	1	± 0.0%	± 0.0%	∞
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	± 0.8%	Rectangular	√3	1	1	± 0.5%	± 0.5%	∞
Integration time	± 2.6%	Rectangular	√3	1	1	± 1.5%	± 1.5%	∞
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								
Device positioning	± 2.9%	Normal	1	1	1	± 2.9%	± 2.9%	145
Device holder uncertainty	± 3.6%	Normal	1	1	1	± 3.6%	± 3.6%	5
Power drift	± 5.0%	Rectangular	√3	1	1	± 2.9%	± 2.9%	∞
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						± 10.3%	± 10.0%	330
Expanded Std. Uncertainty						**± 20.6%**	**± 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	Divi-sor	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).

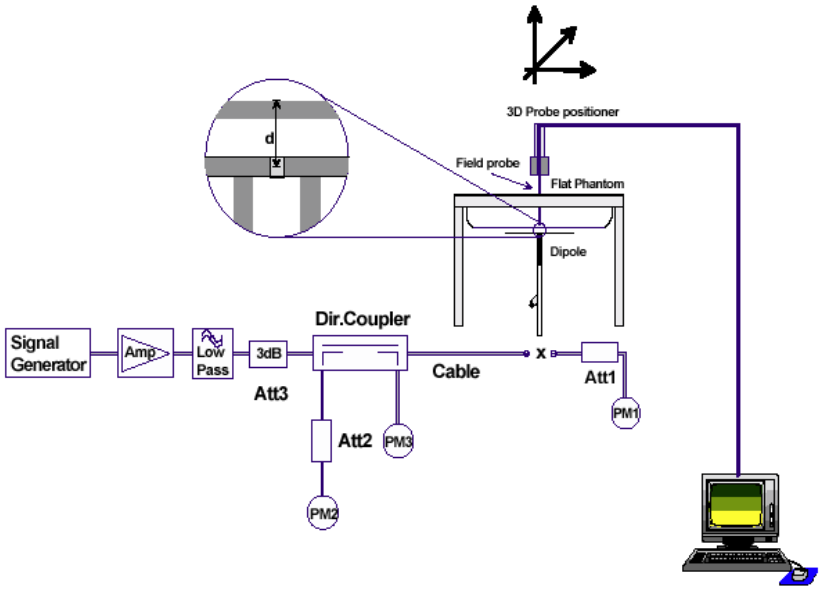
Validation Kit	Frequency	Target Peak SAR (1000 mW) (+/- 10%)	Target SAR_{1g} (1000 mW) (+/- 10%)	Measured Peak SAR (1000 mW)	Measured SAR_{1g} (1000 mW)	Measured date
D900V2 S/N: 102	900 MHz head	15.4 mW/g	10.5 mW/g	16.6 mW/g	10.9 mW/g	2008-09-24
D900V2 S/N: 102	900 MHz head	15.4 mW/g	10.5 mW/g	16.2 mW/g	10.8 mW/g	2008-09-25
D900V2 S/N: 102	900 MHz body	16.4 mW/g	10.8 mW/g	14.9 mW/g	10.2 mW/g	2008-09-19
D1900V2 S/N: 5d009	1900 MHz head	72.6 mW/g	38.8 mW/g	76.6 mW/g	41.2 mW/g	2008-09-21
D1900V2 S/N: 5d009	1900 MHz head	72.6 mW/g	38.8 mW/g	74.9 mW/g	40.1 mW/g	2008-09-22
D1900V2 S/N: 5d009	1900 MHz body	66.2 mW/g	38.7 mW/g	72.7 mW/g	42.2 mW/g	2008-09-23
D1900V2 S/N: 5d009	1900 MHz body	66.2 mW/g	38.7 mW/g	72.0 mW/g	41.8 mW/g	2008-09-24
D2450V2 S/N: 710	2450 MHz head	110.8 mW/g	51.4 mW/g	117.1 mW/g	55.3 mW/g	2008-09-22
D2450V2 S/N: 710	2450 MHz body	99.6 mW/g	49.4 mW/g	106.6 mW/g	53.3 mW/g	2008-09-25

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	mode	timeslots	slotted avg. power	time based avg. power (calculated)
128 / 824.2 MHz	GPRS CS1	2	31.0dBm	25.0dBm
190 / 836.6 MHz	GPRS CS1	2	30.9dBm	24.9dBm
251 / 848.0 MHz	GPRS CS1	2	30.9dBm	24.9dBm
128 / 824.2 MHz	GPRS CS1	1	34.2dBm	25.2dBm
190 / 836.6 MHz	GPRS CS1	1	34.1dBm	25.1dBm
251 / 848.0 MHz	GPRS CS1	1	34.1dBm	25.1dBm
128 / 824.2 MHz	EDGE MCS4	2	31.0dBm	25.0dBm
190 / 836.6 MHz	EDGE MCS4	2	30.9dBm	24.9dBm
251 / 848.0 MHz	EDGE MCS4	2	30.9dBm	24.9dBm
128 / 824.2 MHz	EDGE MCS8	2	28.4dBm	22.4dBm
190 / 836.6 MHz	EDGE MCS8	2	28.3dBm	22.3dBm
251 / 848.0 MHz	EDGE MCS8	2	28.3dBm	22.3dBm

Table 9: Test results conducted peak power measurement GSM 850 MHz

2.5.3 Conducted power measurements GSM 1900 MHz

Channel / frequency	mode	timeslots	slotted avg. power	time based avg. power (calculated)
512 / 1850.2 MHz	GPRS CS1	2	29.9dBm	23.9dBm
661 / 1880.0 MHz	GPRS CS1	2	29.8dBm	23.8dBm
810 / 1909.8 MHz	GPRS CS1	2	29.7dBm	23.7dBm
512 / 1850.2 MHz	GPRS CS1	1	31.3dBm	22.3dBm
661 / 1880.0 MHz	GPRS CS1	1	31.1dBm	22.1dBm
810 / 1909.8 MHz	GPRS CS1	1	31.1dBm	22.1dBm
512 / 1850.2 MHz	EDGE MCS4	2	29.9dBm	23.9dBm
661 / 1880.0 MHz	EDGE MCS4	2	29.8dBm	23.8dBm
810 / 1909.8 MHz	EDGE MCS4	2	29.7dBm	23.7dBm
512 / 1850.2 MHz	EDGE MCS8	2	26.3dBm	20.3dBm
661 / 1880.0 MHz	EDGE MCS8	2	26.2dBm	20.2dBm
810 / 1909.8 MHz	EDGE MCS8	2	26.1dBm	20.1dBm

Table 10: Test results conducted peak power measurement GSM 1900 MHz

2.5.4 Justification of SAR measurements in GSM mode

SAR measurements in head position were performed with 1 active timeslot (voice call)
SAR measurements in body position were performed in GPRS mode with 2 active timeslots.
Power measurements above show a reduction of 3 dB compared to a configuration with 1 active timeslot so that time based average power is kept on the same level.
Therefore an additional delta measurement was performed with 1 active timeslot.
In EDGE mode a delta measurement was performed with MCS8 (8-PSK modulation) to show that SAR value of 8-PSK is lower than GMSK. Output power for MCS4 is identical to GPRS CS1.

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	**23.88**	**23.90**	**23.91**
RMC 64 kbit/s	23.85	23.86	23.88
RMC 144 kbit/s	23.86	23.88	23.91
RMC 384 kbit/s	23.87	23.87	23.88
AMR 4,75 kbit/s	23.85	23.86	23.89
AMR 5,15 kbit/s	23.87	23.90	23.92
AMR 5,9 kbit/s	23.81	23.85	23.88
AMR 6,7 kbit/s	23.73	23.77	23.79
AMR7,4 kbit/s	23.80	23.82	23.82
AMR 7,95 kbit/s	23.78	23.78	23.81
AMR 10,2 kbit/s	23.79	23.79	23.80
AMR 12,2 kbit/s	23.82	23.85	23.91
HSDPA Sub test 1	**23.81**	**23.77**	**23.80**
HSDPA Sub test 2	23.25	23.38	23.41
HSDPA Sub test 3	22.63	22.69	22.57
HSDPA Sub test 4	22.02	22.28	22.33

Table 11: Test results conducted peak power measurement WCDMA 850

2.5.6 Conducted power measurements WCDMA FDD V (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	**22.91**	**23.03**	**23.14**
RMC 64 kbit/s	22.89	22.98	23.10
RMC 144 kbit/s	22.89	22.99	23.12
RMC 384 kbit/s	22.86	22.97	23.12
AMR 4,75 kbit/s	22.83	22.97	23.13
AMR 5,15 kbit/s	22.87	22.92	23.08
AMR 5,9 kbit/s	22.90	22.96	23.10
AMR 6,7 kbit/s	22.89	22.91	23.08
AMR7,4 kbit/s	22.81	22.91	23.03
AMR 7,95 kbit/s	22.80	22.88	23.02
AMR 10,2 kbit/s	22.85	22.91	22.97
AMR 12,2 kbit/s	22.96	22.93	23.09
HSDPA Sub test 1	**22.83**	**22.89**	**23.01**
HSDPA Sub test 2	22.74	22.44	22.92
HSDPA Sub test 3	21.83	21.88	21.95
HSDPA Sub test 4	21.51	21.41	21.55

Table 12: Test results conducted peak power measurement WCDMA 1900

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

2.5.7 Test-set-up information for WCDMA / HSPDA

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: Δ_{ACK}, Δ_{NACK}, Δ_{CQI} = 8 $\Leftrightarrow$ A_{hs} = β_{hs}/β_c = 30/15 $\Leftrightarrow$ β_{hs} = 30/15 * β_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 Δ_{ACK}, Δ_{NACK}, Δ_{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

2.5.8 Conducted power measurements WLAN

Channel / frequency	**802.11b**	**802.11g**
1 / 2412 MHz	16.8 dBm	20.9 dBm
6 / 2437 MHz	16.6 dBm	21.0 dBm
11 / 2472 MHz	16.7 dBm	21.6 dBm

Table 15: Test results conducted peak power measurement WLAN

Note :

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

2.5.9 Multiple Transmitter Information

Apart from the GSM/UMTS transmitter the DUT incorporates both a WLAN and a Bluetooth module. The GSM antenna is placed at the bottom edge of the device, while the WLAN antenna is placed at the top end next to the camera (see photo 8 of annex 3). The distance between both antennas is 7.5 cm. As the sum of the worst case SAR values for GSM/UMTS and WLAN remains below 1.6 W/kg the SAR-to-distance ratio does not exceed a value of 0.3 and therefore no additional volume scans are necessary for that configuration.
The Bluetooth antenna (module output power < 5 mW) is placed at the top right end of the. The calculated maximum distance to the WLAN antenna of 0.3 cm (with a WLAN SAR value of 0.1 W/kg) which requires a simultaneous transmit measurement with BT/WLAN is exceeded and no additional measurement was regarded necessary for that configuration.

2.6 Test results (Head and Body SAR)

The table contains the measured SAR values averaged over a mass of 1 g					
Channel / frequency	Position	Left hand position	Right hand position	Limit	Liquid temperature
Slide-in					
128 / 824.2 MHz	cheek	0.473 W/kg	0.419 W/kg	1.6 W/kg	22.3/22.3 °C
190 / 836.6 MHz	cheek	0.659 W/kg	0.655 W/kg	1.6 W/kg	22.3/22.3 °C
251 / 848.8 MHz	cheek	**0.840 W/kg**	0.810 W/kg	1.6 W/kg	22.3/22.3 °C
128 / 824.2 MHz	tilted 15°	0.207 W/kg	0.248 W/kg	1.6 W/kg	22.3/22.1 °C
190 / 836.6 MHz	tilted 15°	0.284 W/kg	0.359 W/kg	1.6 W/kg	22.3/22.1 °C
251 / 848.8 MHz	tilted 15°	0.370 W/kg	0.449 W/kg	1.6 W/kg	22.3/22.1 °C
Slide opened					
128 / 824.2 MHz	cheek	0.364 W/kg	0.410 W/kg	1.6 W/kg	22.2/22.1 °C
190 / 836.6 MHz	cheek	0.493 W/kg	0.562 W/kg	1.6 W/kg	22.2/22.1 °C
251 / 848.8 MHz	cheek	0.665 W/kg	0.673 W/kg	1.6 W/kg	22.2/22.1 °C
128 / 824.2 MHz	tilted 15°	0.238 W/kg	0.274 W/kg	1.6 W/kg	22.2/22.1 °C
190 / 836.6 MHz	tilted 15°	0.309 W/kg	0.330 W/kg	1.6 W/kg	22.2/22.1 °C
251 / 848.8 MHz	tilted 15°	0.375 W/kg	0.392 W/kg	1.6 W/kg	22.2/22.1 °C

Table 16: Test results (Head SAR 850 MHz)

The table contains the measured SAR values averaged over a mass of 1 g				
Channel / frequency	Position	Body worn	Limit	Liquid temperature
128 / 824.2 MHz	front	0.163 W/kg	1.6 W/kg	20.8 °C
190 / 836.6 MHz	front	0.212 W/kg	1.6 W/kg	20.8 °C
251 / 848.8 MHz	front	0.298 W/kg	1.6 W/kg	20.8 °C
128 / 824.2 MHz	rear	0.430 W/kg	1.6 W/kg	20.8 °C
190 / 836.6 MHz	rear	0.604 W/kg	1.6 W/kg	20.8 °C
251 / 848.8 MHz	rear	**0.857 W/kg**	1.6 W/kg	20.8 °C
251 / 848.8 MHz	rear EDGE	0.372 W/kg	1.6 W/kg	20.8 °C
251 / 848.8 MHz	rear 1TS	0.687 W/kg	1.6 W/kg	20.8 °C

Table 17: Test results (Body SAR 850 MHz)

Note: The SAR test shall be performed at the high, middle and low frequency channels of each operating mode. If the SAR measured at mid-band channel for each test configuration is at least 3.0 dB lower than the SAR limit (< 0.8 W/kg), testing at the high and low channels is optional.
Tests in body position were performed with 15 mm air gap between DUT and SAM to simulate the use of a non-metallic belt-clip or holster.

The table contains the measured SAR values averaged over a mass of 1 g					
Channel / frequency	Position	Left hand position	Right hand position	Limit	Liquid temperature
Slide-in					
512 / 1850.2 MHz	cheek	0.492 W/kg	0.631 W/kg	1.6 W/kg	21.1/21.2 °C
661 / 1880.0 MHz	cheek	0.640 W/kg	0.798 W/kg	1.6 W/kg	21.1/21.2 °C
810 / 1909.8 MHz	cheek	0.814 W/kg	**1.030 W/kg**	1.6 W/kg	21.1/21.2 °C
512 / 1850.2 MHz	tilted 15°	0.167 W/kg	0.185 W/kg	1.6 W/kg	21.1/21.2 °C
661 / 1880.0 MHz	tilted 15°	0.193 W/kg	0.213 W/kg	1.6 W/kg	21.1/21.2 °C
810 / 1909.8 MHz	tilted 15°	0.259 W/kg	0.284 W/kg	1.6 W/kg	21.1/21.2 °C
Slide opened					
512 / 1850.2 MHz	cheek	0.572 W/kg	0.353 W/kg	1.6 W/kg	20.9/21.1 °C
661 / 1880.0 MHz	cheek	0.654 W/kg	0.410 W/kg	1.6 W/kg	20.9/21.1 °C
810 / 1909.8 MHz	cheek	0.755 W/kg	0.448 W/kg	1.6 W/kg	20.9/21.1 °C
512 / 1850.2 MHz	tilted 15°	0.285 W/kg	0.340 W/kg	1.6 W/kg	20.9/21.1 °C
661 / 1880.0 MHz	tilted 15°	0.310 W/kg	0.374 W/kg	1.6 W/kg	20.9/21.1 °C
810 / 1909.8 MHz	tilted 15°	0.365 W/kg	0.426 W/kg	1.6 W/kg	20.9/21.1 °C

Table 18: Test results (Head SAR 1900 MHz)

The table contains the measured SAR values averaged over a mass of 1 g				
Channel / frequency	Position	Body worn	Limit	Liquid temperature
512 / 1850.2 MHz	front	0.233 W/kg	1.6 W/kg	21.5 °C
661 / 1880.0 MHz	front	0.259 W/kg	1.6 W/kg	21.5 °C
810 / 1909.8 MHz	front	0.319 W/kg	1.6 W/kg	21.5 °C
512 / 1850.2 MHz	rear	0.491 W/kg	1.6 W/kg	22.0 °C
661 / 1880.0 MHz	rear	0.561 W/kg	1.6 W/kg	22.0 °C
810 / 1909.8 MHz	rear	**0.695 W/kg**	1.6 W/kg	22.0 °C
810 / 1909.8 MHz	rear EDGE	0.304 W/kg	1.6 W/kg	22.0 °C
810 / 1909.8 MHz	rear 1TS	0.476 W/kg	1.6 W/kg	22.0 °C

Table 19: Test results (Body SAR 1900 MHz)

Note: The SAR test shall be performed at the high, middle and low frequency channels of each operating mode. If the SAR measured at mid-band channel for each test configuration is at least 3.0 dB lower than the SAR limit (< 0.8 W/kg), testing at the high and low channels is optional.
Tests in body position were performed with 15 mm air gap between DUT and SAM to simulate the use of a non-metallic belt-clip or holster.

The table contains the measured SAR values averaged over a mass of 1 g					
Channel / frequency	Position	Left hand position	Right hand position	Limit	Liquid temperature
Slide-in					
4132 / 824.2 MHz	cheek	0.537 W/kg	0.549 W/kg	1.6 W/kg	22.2/22.2 °C
4182 / 836.6 MHz	cheek	**0.713 W/kg**	0.709 W/kg	1.6 W/kg	22.2/22.2 °C
4233 / 848.8 MHz	cheek	0.584 W/kg	0.581 W/kg	1.6 W/kg	22.2/22.2 °C
4132 / 824.2 MHz	tilted 15°	0.292 W/kg	0.257 W/kg	1.6 W/kg	22.2/22.2 °C
4182 / 836.6 MHz	tilted 15°	0.398 W/kg	0.390 W/kg	1.6 W/kg	22.2/22.2 °C
4233 / 848.8 MHz	tilted 15°	0.312 W/kg	0.316 W/kg	1.6 W/kg	22.2/22.2 °C
Slide opened					
4132 / 824.2 MHz	cheek	0.537 W/kg	0.535 W/kg	1.6 W/kg	22.2/22.3 °C
4182 / 836.6 MHz	cheek	0.677 W/kg	0.673 W/kg	1.6 W/kg	22.2/22.3 °C
4233 / 848.8 MHz	cheek	0.591 W/kg	0.492 W/kg	1.6 W/kg	22.2/22.3 °C
4132 / 824.2 MHz	tilted 15°	0.388 W/kg	0.372 W/kg	1.6 W/kg	22.2/22.3 °C
4182 / 836.6 MHz	tilted 15°	0.417 W/kg	0.434 W/kg	1.6 W/kg	22.2/22.3 °C
4233 / 848.8 MHz	tilted 15°	0.392 W/kg	0.341 W/kg	1.6 W/kg	22.2/22.3 °C

Table 20: Test results UMTS FDD V (Head SAR 850 MHz)

The table contains the measured SAR values averaged over a mass of 1 g				
Channel / frequency	Position	Body worn	Limit	Liquid temperature
4132 / 824.2 MHz	front	0.177 W/kg	1.6 W/kg	20.8 °C
4182 / 836.6 MHz	front	0.236 W/kg	1.6 W/kg	20.8 °C
4233 / 848.8 MHz	front	0.190 W/kg	1.6 W/kg	20.8 °C
4132 / 824.2 MHz	rear	0.413 W/kg	1.6 W/kg	20.8 °C
4182 / 836.6 MHz	rear	0.551 W/kg	1.6 W/kg	20.8 °C
4233 / 848.8 MHz	rear	**0.428 W/kg**	1.6 W/kg	20.8 °C

Table 21: Test results UMTS FDD V (Body SAR 850 MHz)

Note: The SAR test shall be performed at the high, middle and low frequency channels of each operating mode. If the SAR measured at mid-band channel for each test configuration is at least 3.0 dB lower than the SAR limit (< 0.8 W/kg), testing at the high and low channels is optional.
Tests in body position were performed with 15 mm air gap between DUT and SAM to simulate the use of a non-metallic belt-clip or holster.

The table contains the measured SAR values averaged over a mass of 1 g					
Channel / frequency	Position	Left hand position	Right hand position	Limit	Liquid temperature
Slide-in					
9262 / 1850.2 MHz	cheek	1.040 W/kg	**1.280 W/kg**	1.6 W/kg	22.1/22.1 °C
9400 / 1880.0 MHz	cheek	1.100 W/kg	**1.280 W/kg**	1.6 W/kg	22.1/22.1 °C
9538 / 1909.8 MHz	cheek	1.150 W/kg	1.070 W/kg	1.6 W/kg	22.1/22.1 °C
9262 / 1850.2 MHz	tilted 15°	0.456 W/kg	0.445 W/kg	1.6 W/kg	22.1/22.1 °C
9400 / 1880.0 MHz	tilted 15°	0.401 W/kg	0.413 W/kg	1.6 W/kg	22.1/22.1 °C
9538 / 1909.8 MHz	tilted 15°	0.357 W/kg	0.351 W/kg	1.6 W/kg	22.1/22.1 °C
Slide opened					
9262 / 1850.2 MHz	cheek	1.210 W/kg	0.726 W/kg	1.6 W/kg	22.1/22.1 °C
9400 / 1880.0 MHz	cheek	1.170 W/kg	0.683 W/kg	1.6 W/kg	22.1/22.1 °C
9538 / 1909.8 MHz	cheek	1.070 W/kg	0.691 W/kg	1.6 W/kg	22.1/22.1 °C
9262 / 1850.2 MHz	tilted 15°	0.629 W/kg	0.691 W/kg	1.6 W/kg	22.1/22.1 °C
9400 / 1880.0 MHz	tilted 15°	0.588 W/kg	0.725 W/kg	1.6 W/kg	22.1/22.1 °C
9538 / 1909.8 MHz	tilted 15°	0.570 W/kg	0.696 W/kg	1.6 W/kg	22.1/22.1 °C

Table 22: Test results UMTS FDD II (Head SAR 1900 MHz)

The table contains the measured SAR values averaged over a mass of 1 g				
Channel / frequency	Position	Body worn	Limit	Liquid temperature
9262 / 1850.2 MHz	front	0.257 W/kg	1.6 W/kg	21.8 °C
9400 / 1880.0 MHz	front	0.246 W/kg	1.6 W/kg	21.8 °C
9538 / 1909.8 MHz	front	0.194 W/kg	1.6 W/kg	21.8 °C
9262 / 1850.2 MHz	rear	0.561 W/kg	1.6 W/kg	21.8 °C
9400 / 1880.0 MHz	rear	0.573 W/kg	1.6 W/kg	21.8 °C
9538 / 1909.8 MHz	rear	**0.595 W/kg**	1.6 W/kg	21.8 °C

Table 23: Test results UMTS FDD II (Body SAR 1900 MHz)

Note: The SAR test shall be performed at the high, middle and low frequency channels of each operating mode. If the SAR measured at mid-band channel for each test configuration is at least 3.0 dB lower than the SAR limit (< 0.8 W/kg), testing at the high and low channels is optional.
Tests in body position were performed with 15 mm air gap between DUT and SAM to simulate the use of a non-metallic belt-clip or holster.

The table contains the measured SAR values averaged over a mass of 1 g					
Channel / frequency	Position	Left hand position	Right hand position	Limit	Liquid temperature
Slide-in					
Ch 1 / 2412 MHz	cheek	0.054 W/kg	0.100 W/kg	1.6 W/kg	20.1/20.7 °C
Ch 6 / 2437 MHz	cheek	0.044 W/kg	0.094 W/kg	1.6 W/kg	20.1/20.7 °C
Ch11 / 2462 MHz	cheek	0.037 W/kg	0.057 W/kg	1.6 W/kg	20.1/20.7 °C
Ch 1 / 2412 MHz	tilted 15°	0.055 W/kg	0.083 W/kg	1.6 W/kg	20.1/20.7 °C
Ch 6 / 2437 MHz	tilted 15°	0.035 W/kg	0.064 W/kg	1.6 W/kg	20.1/20.7 °C
Ch11 / 2462 MHz	tilted 15°	0.035 W/kg	0.043 W/kg	1.6 W/kg	20.1/20.8 °C
Ch 1 / 2412 MHz	cheek / 11 Mbps / DSSS		**0.119 W/kg**	1.6 W/kg	20.8 °C
Ch 1 / 2412 MHz	cheek / 6 Mbps / OFDM		0.058 W/kg	1.6 W/kg	20.8 °C
Ch 1 / 2412 MHz	cheek / 54 Mbps / OFDM		0.055 W/kg	1.6 W/kg	20.8 °C
Slide opened					
Ch 1 / 2412 MHz	cheek	0.039 W/kg	0.046 W/kg	1.6 W/kg	20.1/20.3 °C
Ch 6 / 2437 MHz	cheek	0.029 W/kg	0.037 W/kg	1.6 W/kg	20.1/20.3 °C
Ch11 / 2462 MHz	cheek	0.016 W/kg	0.021 W/kg	1.6 W/kg	20.1/20.3 °C
Ch 1 / 2412 MHz	tilted 15°	0.032 W/kg	0.031 W/kg	1.6 W/kg	20.1/20.3 °C
Ch 6 / 2437 MHz	tilted 15°	0.019 W/kg	0.022 W/kg	1.6 W/kg	20.1/20.3 °C
Ch11 / 2462 MHz	tilted 15°	0.014 W/kg	0.012 W/kg	1.6 W/kg	20.1/20.3 °C

Table 24: Test results (Head SAR 2450 MHz)

The table contains the measured SAR values averaged over a mass of 1 g					
Channel / frequency	Position	Data rate / modulation	Body worn	Limit	Liquid temperature
Ch 1 / 2412 MHz	front	1 Mbps / DSSS	0.048 W/kg	1.6 W/kg	20.2 °C
Ch 6 / 2437 MHz	front	1 Mbps / DSSS	0.040 W/kg	1.6 W/kg	20.2 °C
Ch11 / 2462 MHz	front	1 Mbps / DSSS	0.032 W/kg	1.6 W/kg	20.2 °C
Ch 1 / 2412 MHz	rear	1 Mbps / DSSS	**0.107 W/kg**	1.6 W/kg	20.2 °C
Ch 6 / 2437 MHz	rear	1 Mbps / DSSS	0.060 W/kg	1.6 W/kg	20.2 °C
Ch11 / 2462 MHz	rear	1 Mbps / DSSS	0.064 W/kg	1.6 W/kg	20.2 °C
Ch 1 / 2412 MHz	rear	11 Mbps / DSSS	0.079 W/kg	1.6 W/kg	20.2 °C
Ch 1 / 2412 MHz	rear	6 Mbps / OFDM	0.035 W/kg	1.6 W/kg	20.2 °C
Ch 1 / 2412 MHz	rear	54 Mbps / OFDM	0.046 W/kg	1.6 W/kg	20.2 °C

Table 25: Test results (Body SAR 2450 MHz)

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

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

Annex 1 System performance verification

Date/Time: 2008-09-24 12:49:13Date/Time: 2008-09-24 12:57:41

SystemPerformanceCheck-D900 head 2008-09-24

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 = 0.95 mho/m; ε_r = 41.7; 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: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

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

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

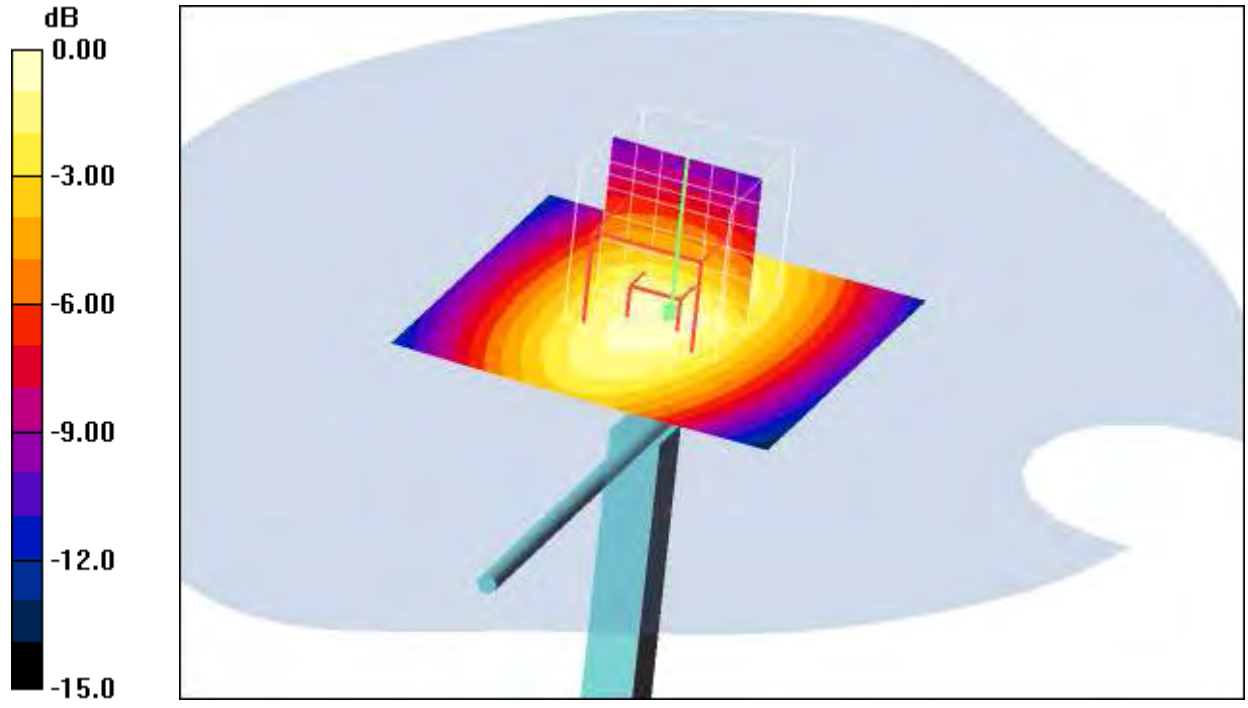
d=15mm, Pin=1000mW/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 115.8 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 16.6 W/kg

SAR(1 g) = 10.9 mW/g; SAR(10 g) = 7.01 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: 22.3°C

Date/Time: 2008-09-25 09:46:44Date/Time: 2008-09-25 09:51:09

SystemPerformanceCheck-D900-850 head 2008-09-25

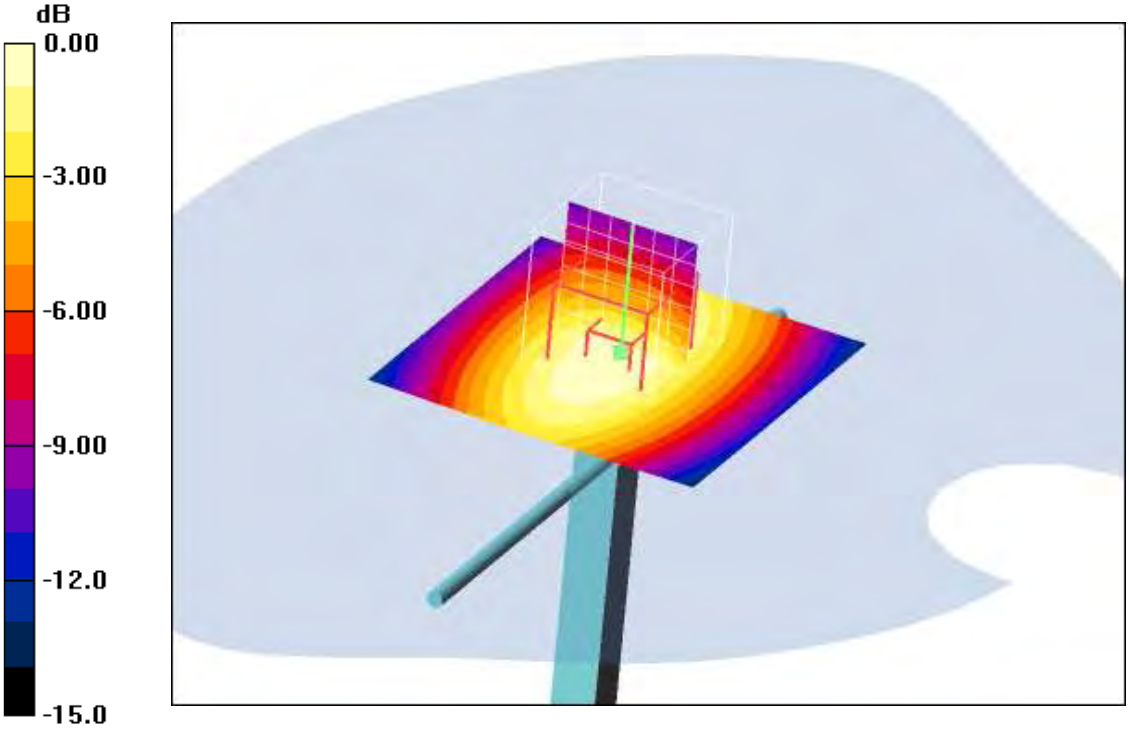
DUT: Dipole 900 MHz; Type: D900V2; Serial: 102
Communication System: CW; Frequency: 900 MHz; Duty Cycle: 1:1
Medium: HSL850 Medium parameters used: f = 900 MHz; σ = 0.95 mho/m; ε_r = 41.7; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1558; ConvF(5.99, 5.99, 5.99); Calibrated: 2008-08-15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn413; Calibrated: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

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

Maximum value of SAR (interpolated) = 11.5 mW/g

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

Reference Value = 115.3 V/m; Power Drift = -0.00 dB
Peak SAR (extrapolated) = 16.2 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: 23.3°C; liquid temperature: 22.3°C

Date/Time: 2008-09-19 08:50:39Date/Time: 2008-09-19 08:56:07

SystemPerformanceCheck-D900 body 2008-09-19

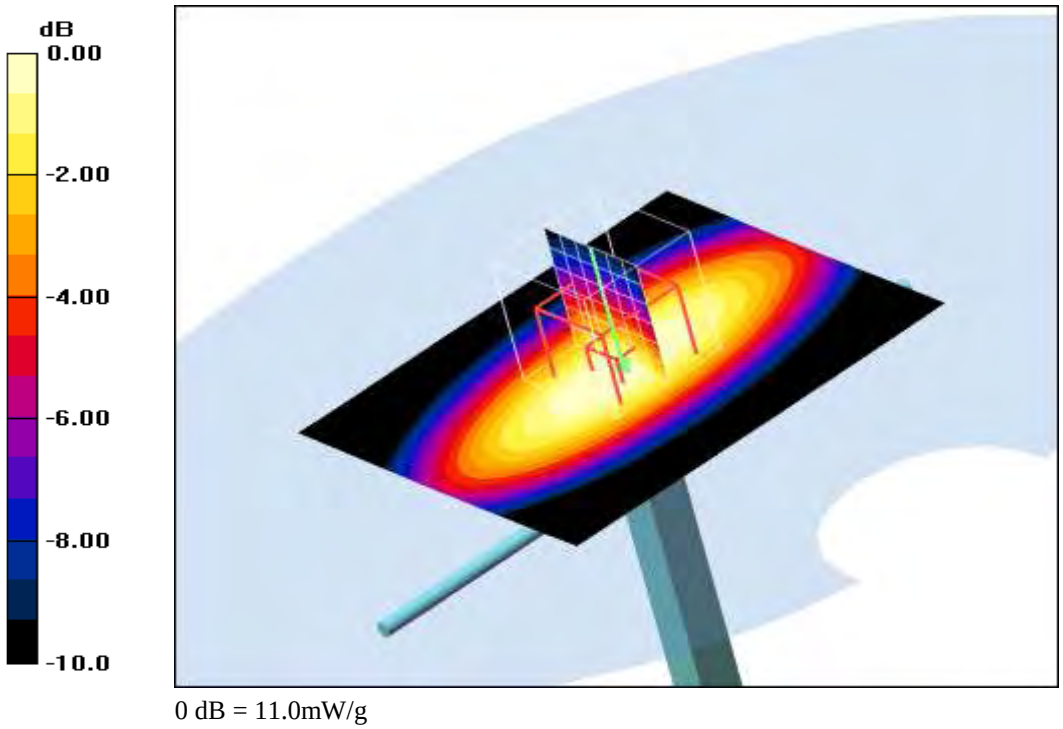
DUT: Dipole 900 MHz; Type: D900V2; Serial: 102
Communication System: CW; Frequency: 900 MHz; Duty Cycle: 1:1
Medium: M900 Medium parameters used: f = 900 MHz; σ = 1.04 mho/m; ε_r = 55.3; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1558; ConvF(5.8, 5.8, 5.8); Calibrated: 2008-08-15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn413; Calibrated: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

d=15mm, Pin=1000mW/Area Scan (61x71x1): Measurement grid: dx=15mm, dy=15mm

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

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

Reference Value = 112.3 V/m; Power Drift = -0.066 dB
Peak SAR (extrapolated) = 14.9 W/kg
SAR(1 g) = 10.2 mW/g; SAR(10 g) = 6.73 mW/g
Maximum value of SAR (measured) = 11.0 mW/g



0 dB = 11.0mW/g

Additional information:
position or distance of DUT to SAM (if not standard head positions) :
ambient temperature: 21.4°C; liquid temperature: 20.6°C

Date/Time: 2008-09-21 10:45:12Date/Time: 2008-09-21 10:48:48

SystemPerformanceCheck-D1900 head 2008-09-21

DUT: Dipole 1900 MHz; Type: D1900V2; Serial: 5d009

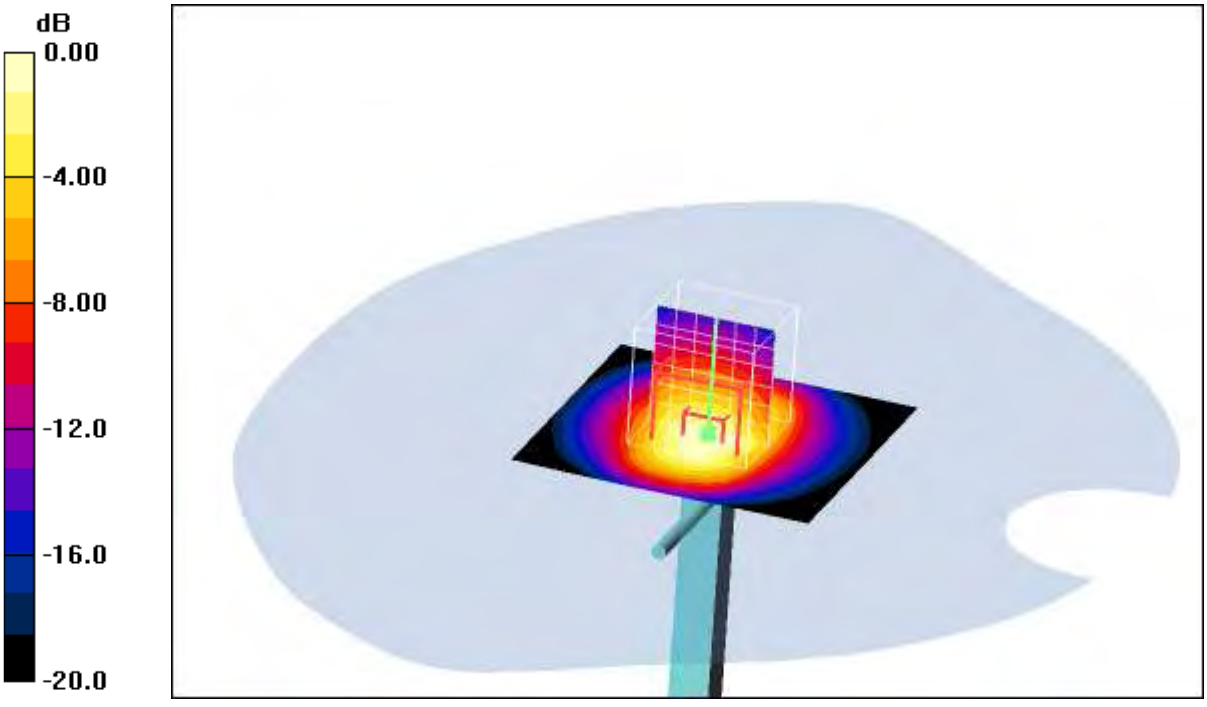
Communication System: CW; Frequency: 1900 MHz;Duty Cycle: 1:1
Medium: HSL1900 Medium parameters used (interpolated): f = 1900 MHz; σ = 1.41 mho/m; ε_r = 39.7; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1558; ConvF(4.96, 4.96, 4.96); Calibrated: 2008-08-15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn413; Calibrated: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

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

Maximum value of SAR (interpolated) = 55.5 mW/g

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

Reference Value = 189.7 V/m; Power Drift = -0.035 dB
Peak SAR (extrapolated) = 76.6 W/kg
SAR(1 g) = 41.2 mW/g; SAR(10 g) = 21.5 mW/g
Maximum value of SAR (measured) = 46.6 mW/g



0 dB = 46.6mW/g

Additional information:
position or distance of DUT to SAM (if not standard head positions) :
ambient temperature: 21.8°C; liquid temperature: 21.2°C

Date/Time: 2008-09-22 07:58:35Date/Time: 2008-09-22 08:02:12

SystemPerformanceCheck-D1900 head 2008-09-22

DUT: Dipole 1900 MHz; Type: D1900V2; Serial: 5d009

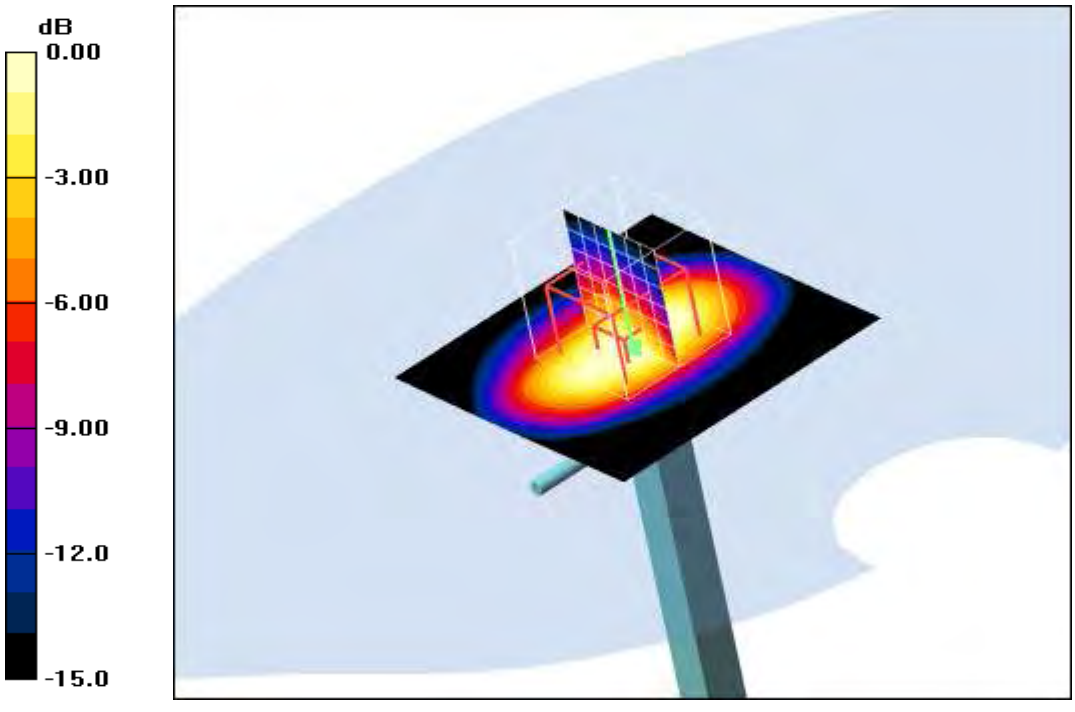
Communication System: CW; Frequency: 1900 MHz; Duty Cycle: 1:1
Medium: HSL1900 Medium parameters used (interpolated): f = 1900 MHz; σ = 1.41 mho/m; ε_r = 39.7; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1558; ConvF(4.96, 4.96, 4.96); Calibrated: 2008-08-15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn413; Calibrated: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

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

Maximum value of SAR (interpolated) = 53.1 mW/g

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

Reference Value = 183.2 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 74.9 W/kg
SAR(1 g) = 40.1 mW/g; SAR(10 g) = 20.9 mW/g
Maximum value of SAR (measured) = 44.5 mW/g



0 dB = 44.5mW/g

Additional information:
position or distance of DUT to SAM (if not standard head positions) :
ambient temperature: 22.4°C; liquid temperature: 21.8°C

Date/Time: 2008-09-23 15:48:18Date/Time: 2008-09-23 15:51:56

SystemPerformanceCheck-D1900 body 2008-09-23

DUT: Dipole 1900 MHz; Type: D1900V2; Serial: 5d009

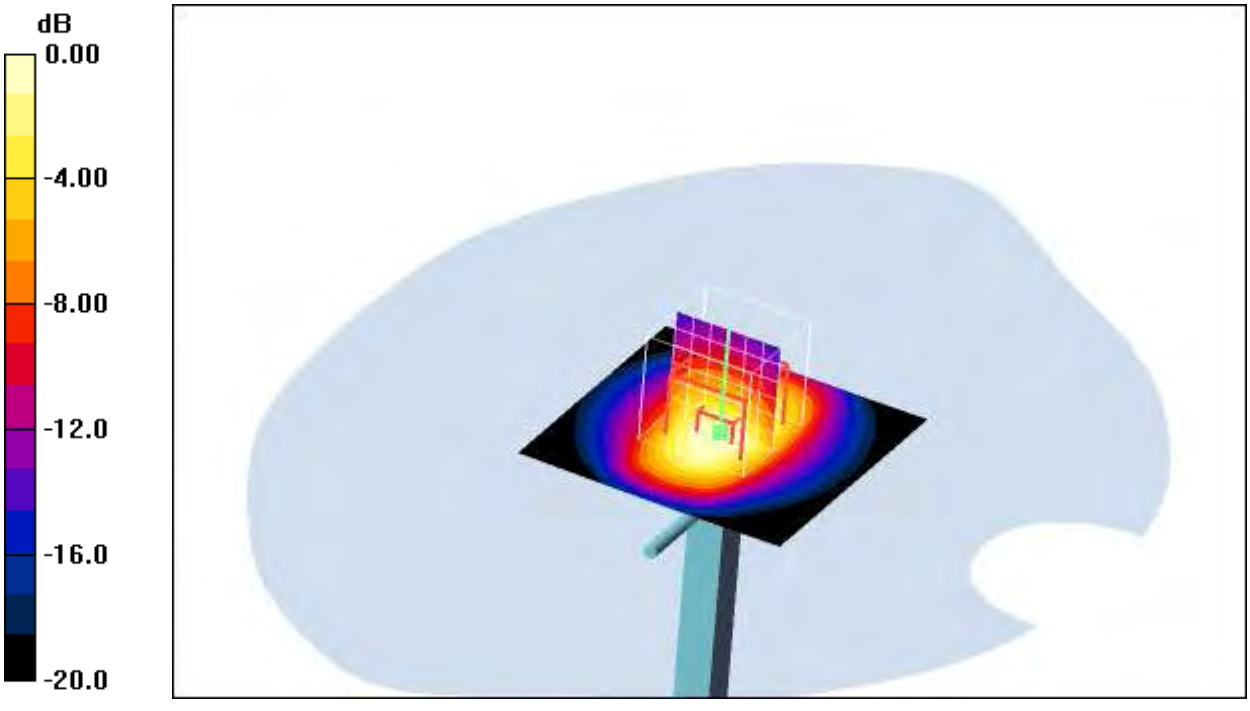
Communication System: CW; Frequency: 1900 MHz; Duty Cycle: 1:1
Medium: M1900 Medium parameters used (interpolated): f = 1900 MHz; σ = 1.52 mho/m; ε_r = 52.6; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1558; ConvF(4.39, 4.39, 4.39); Calibrated: 2008-08-15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn413; Calibrated: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

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

Maximum value of SAR (interpolated) = 58.5 mW/g

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

Reference Value = 183.9 V/m; Power Drift = 0.011 dB
Peak SAR (extrapolated) = 72.7 W/kg
SAR(1 g) = 42.2 mW/g; SAR(10 g) = 22.2 mW/g
Maximum value of SAR (measured) = 47.0 mW/g



0 dB = 47.0mW/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

Date/Time: 2008-09-24 11:22:12Date/Time: 2008-09-24 11:25:54

SystemPerformanceCheck-D1900 body 2008-09-24

DUT: Dipole 1900 MHz; Type: D1900V2; Serial: 5d009

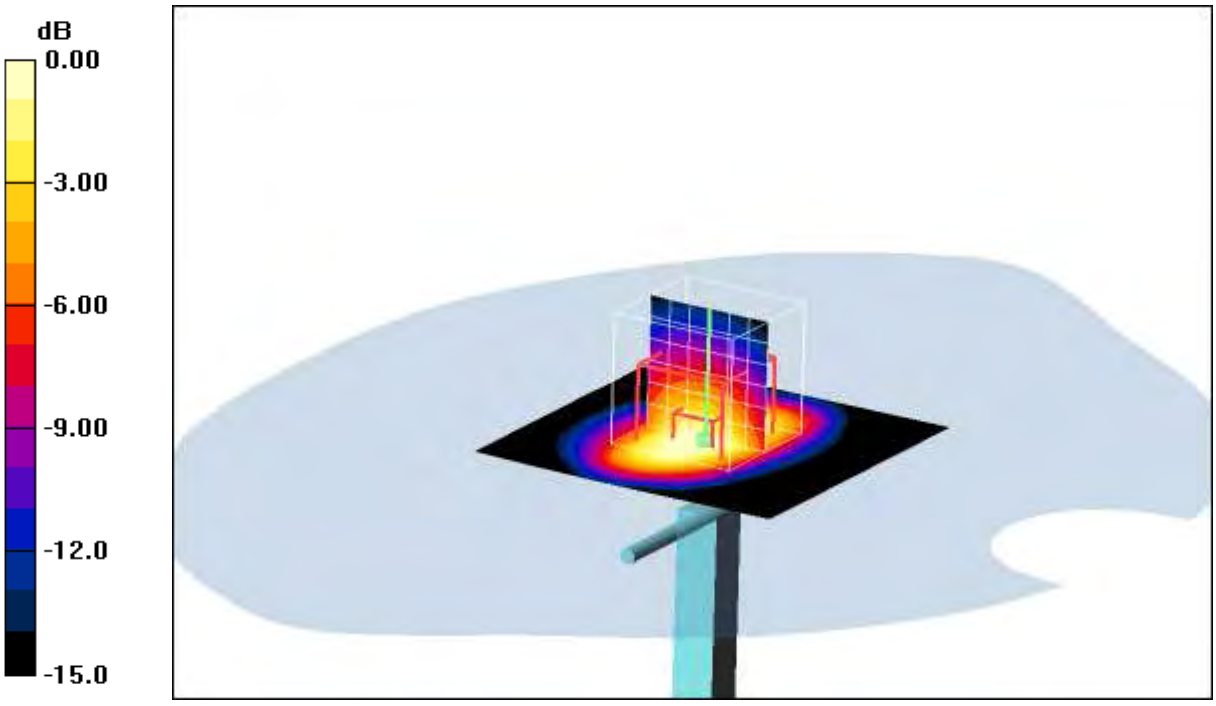
Communication System: CW; Frequency: 1900 MHz; Duty Cycle: 1:1
Medium: M1900 Medium parameters used (interpolated): f = 1900 MHz; σ = 1.52 mho/m; ε_r = 52.6; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1558; ConvF(4.39, 4.39, 4.39); Calibrated: 2008-08-15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn413; Calibrated: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

d=10mm, Pin=1000mW 2/Area Scan (51x51x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 57.9 mW/g

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

Reference Value = 181.7 V/m; Power Drift = -0.019 dB
Peak SAR (extrapolated) = 72.0 W/kg
SAR(1 g) = 41.8 mW/g; SAR(10 g) = 21.8 mW/g
Maximum value of SAR (measured) = 46.5 mW/g



0 dB = 46.5mW/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: 22.09.2008 07:33:35Date/Time: 22.09.2008 07:37:05

SystemPerformanceCheck-D2450 head

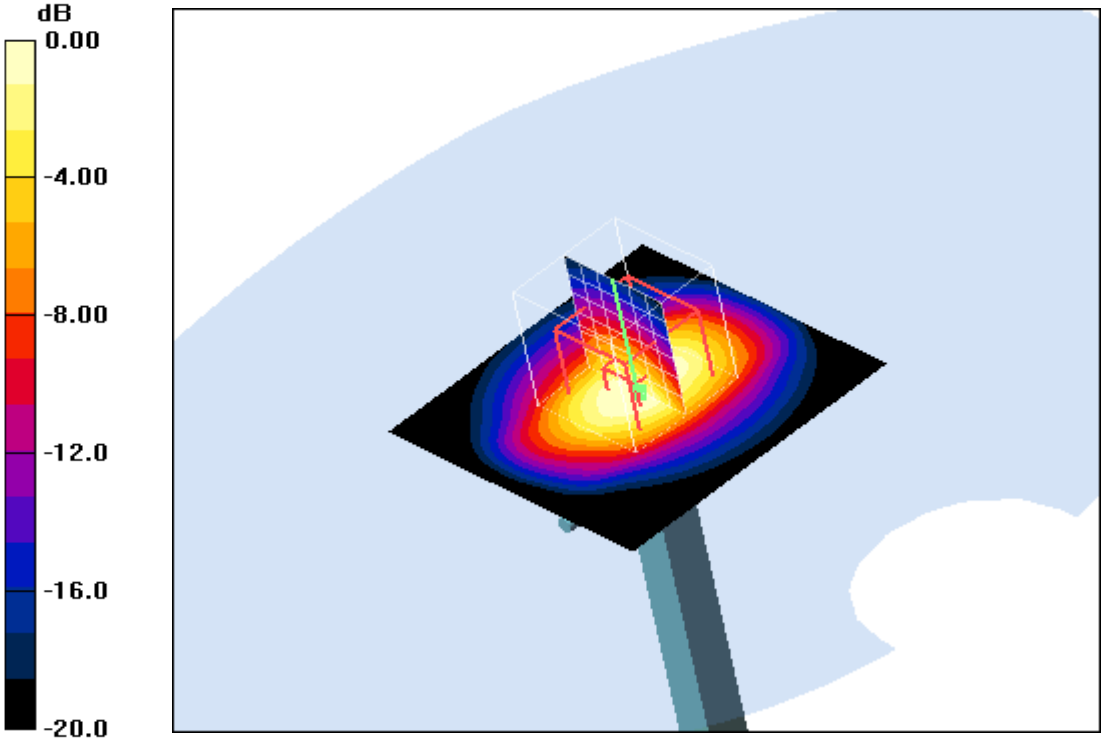
DUT: Dipole 2450 MHz; Type: D2450V2; Serial: D2450V2 - SN:710
Communication System: CW; Frequency: 2450 MHz; Duty Cycle: 1:1
Medium: HSL2450 Medium parameters used: f = 2450 MHz; σ = 1.88 mho/m; ε_r = 38.7; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1559; ConvF(4.56, 4.56, 4.56); Calibrated: 23.01.2008
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn477; Calibrated: 14.05.2008
- Phantom: SAM left; Type: SAM; Serial: 1041
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 146

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

Maximum value of SAR (interpolated) = 76.4 mW/g

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

Reference Value = 191.2 V/m; Power Drift = 0.079 dB
Peak SAR (extrapolated) = 117.1 W/kg
SAR(1 g) = 55.3 mW/g; SAR(10 g) = 25.6 mW/g
Maximum value of SAR (measured) = 62.6 mW/g



0 dB = 62.6mW/g

Additional information:
position or distance of DUT to SAM (if not standard head positions) :
ambient temperature: 22.8°C; liquid temperature: 20.6°C

Date/Time: 25.09.2008 14:38:42Date/Time: 25.09.2008 14:42:01

SystemPerformanceCheck-D2450 body 2008-09-25

DUT: Dipole 2450 MHz; Type: D2450V2; Serial: 710

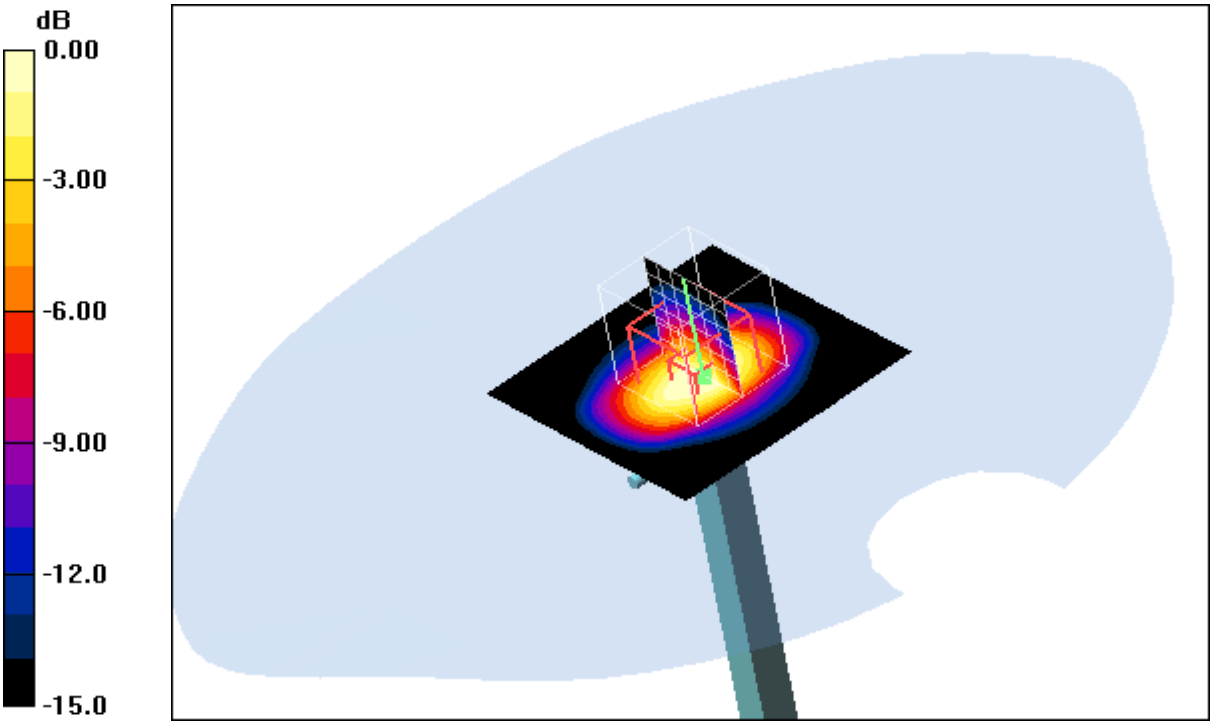
Communication System: CW; Frequency: 2450 MHz; Duty Cycle: 1:1
Medium: M2450 Medium parameters used: f = 2450 MHz; σ = 2 mho/m; ε_r = 52.1; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1559; ConvF(3.98, 3.98, 3.98); Calibrated: 23.01.2008
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn477; Calibrated: 14.05.2008
- Phantom: SAM right; Type: SAM; Serial: 1042
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 146

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

Maximum value of SAR (interpolated) = 78.7 mW/g

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

Reference Value = 179.5 V/m; Power Drift = -0.103 dB
Peak SAR (extrapolated) = 106.6 W/kg
SAR(1 g) = 53.3 mW/g; SAR(10 g) = 24.9 mW/g
Maximum value of SAR (measured) = 59.4 mW/g



0 dB = 59.4mW/g

Additional information:
position or distance of DUT to SAM (if not standard head positions) :
ambient temperature: 20.7°C; liquid temperature: 20.2°C

Annex 2 Measurement results (printout from DASY TM)

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

Annex 2.1 PCS 850 MHz head

Date/Time: 2008-09-24 13:13:22Date/Time: 2008-09-24 13:19:03

P1528_OET65-LeftHandSide-GSM850

DUT: Sony Ericsson; Type: AAD-3252081-BV; Serial: CB5112VESN

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

Medium: HSL850 Medium parameters used: f = 824.2 MHz; σ = 0.88 mho/m; ε_r = 42.5; 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: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

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

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

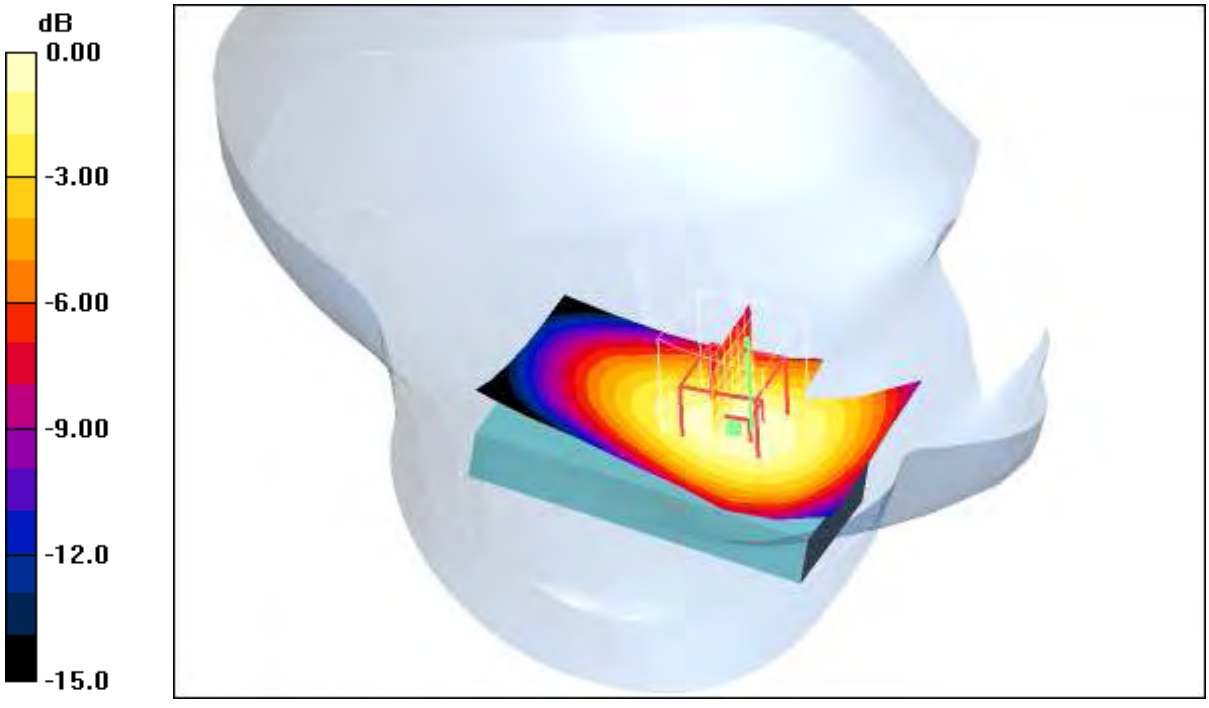
Touch position - Low/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 24.7 V/m; Power Drift = 0.050 dB

Peak SAR (extrapolated) = 0.602 W/kg

SAR(1 g) = 0.473 mW/g; SAR(10 g) = 0.341 mW/g

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



0 dB = 0.501mW/g

Additional information:

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

ambient temperature: 23.2°C; liquid temperature: 22.3°C

Date/Time: 2008-09-24 13:35:07Date/Time: 2008-09-24 13:40:30

P1528_OET65-LeftHandSide-GSM850

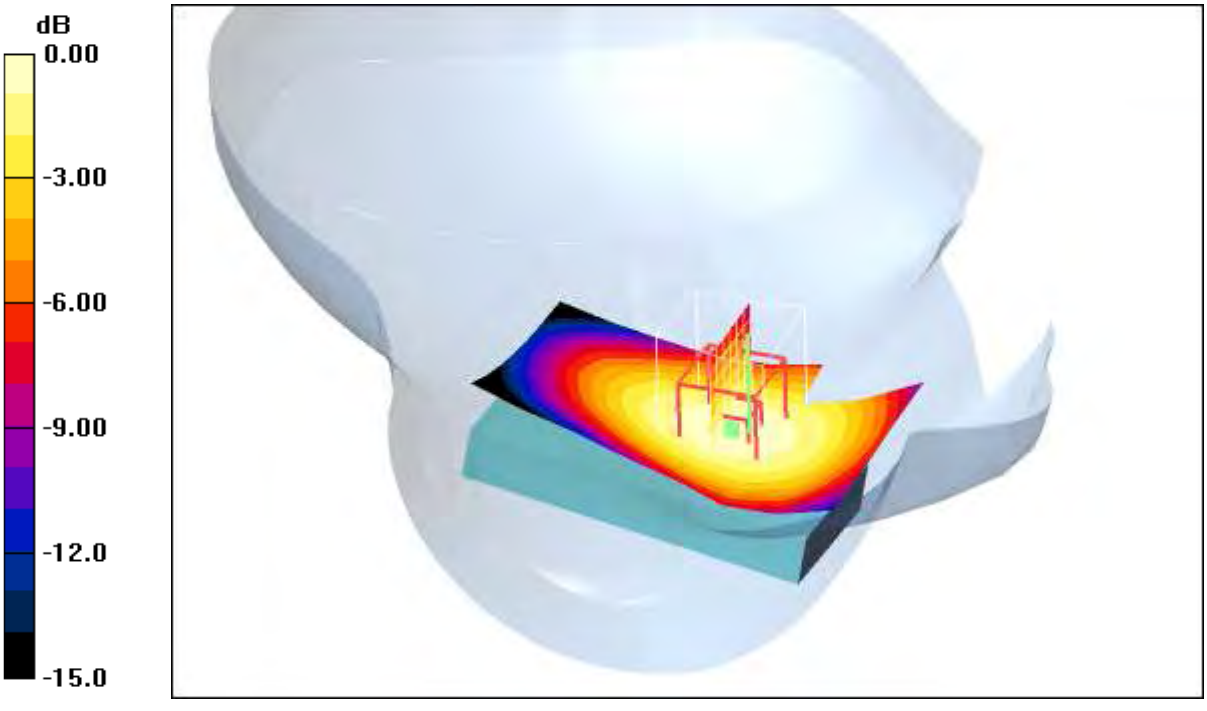
DUT: Sony Ericsson; Type: AAD-3252081-BV; Serial: CB5112VESN
Communication System: PCS 850; Frequency: 836.6 MHz; Duty Cycle: 1:8
Medium: HSL850 Medium parameters used: f = 836.6 MHz; σ = 0.88 mho/m; ε_r = 42.5; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1558; ConvF(6.19, 6.19, 6.19); Calibrated: 2008-08-15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn413; Calibrated: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

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

Maximum value of SAR (interpolated) = 0.718 mW/g

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

Reference Value = 29.5 V/m; Power Drift = -0.109 dB
Peak SAR (extrapolated) = 0.846 W/kg
SAR(1 g) = 0.659 mW/g; SAR(10 g) = 0.476 mW/g
Maximum value of SAR (measured) = 0.694 mW/g



0 dB = 0.694mW/g

Additional information:
position or distance of DUT to SAM (if not standard head positions) :
ambient temperature: 23.2°C; liquid temperature: 22.3°C

Date/Time: 2008-09-24 13:55:46Date/Time: 2008-09-24 14:01:12

P1528_OET65-LeftHandSide-GSM850

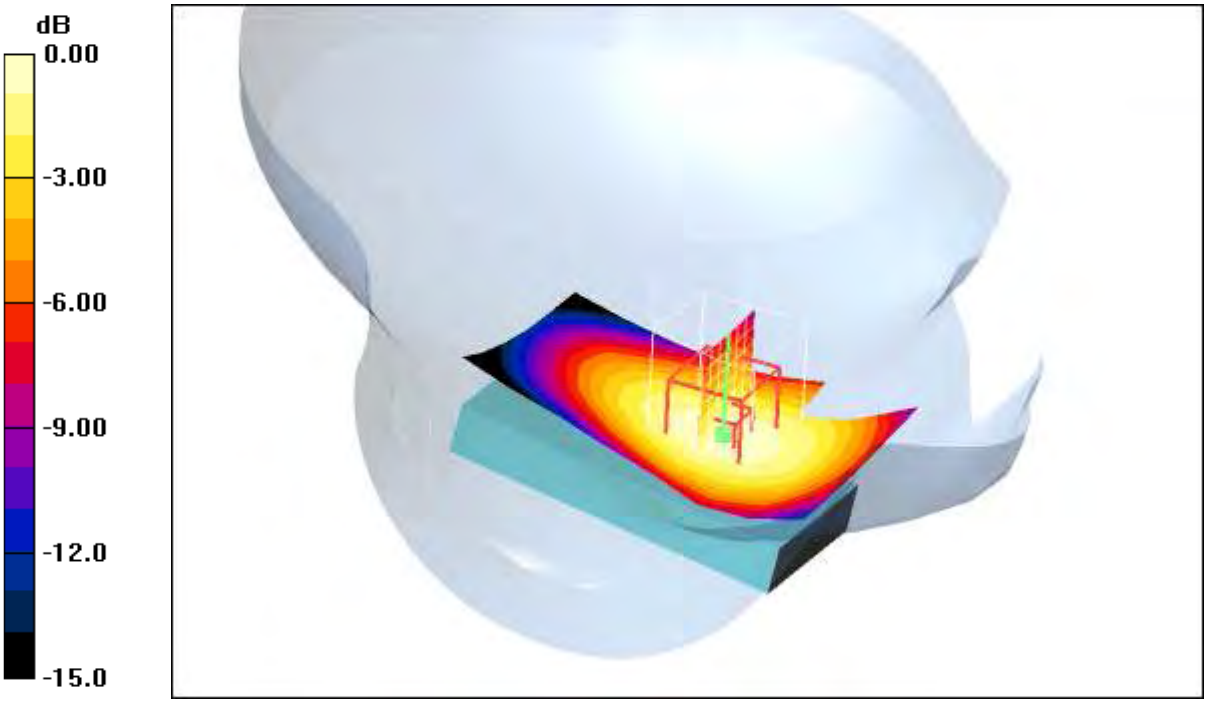
DUT: Sony Ericsson; Type: AAD-3252081-BV; Serial: CB5112VESN
Communication System: PCS 850; Frequency: 848.8 MHz;Duty Cycle: 1:8
Medium: HSL850 Medium parameters used: f = 848.8 MHz; σ = 0.88 mho/m; ε_r = 42.5; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1558; ConvF(6.19, 6.19, 6.19); Calibrated: 2008-08-15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn413; Calibrated: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

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

Maximum value of SAR (interpolated) = 0.897 mW/g

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

Reference Value = 32.8 V/m; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 1.11 W/kg
SAR(1 g) = 0.840 mW/g; SAR(10 g) = 0.599 mW/g
Maximum value of SAR (measured) = 0.891 mW/g



0 dB = 0.891mW/g

Additional information:
position or distance of DUT to SAM (if not standard head positions) :
ambient temperature: 23.2°C; liquid temperature: 22.3°C

Date/Time: 2008-09-24 14:59:34Date/Time: 2008-09-24 15:05:40

P1528_OET65-LeftHandSide-GSM850

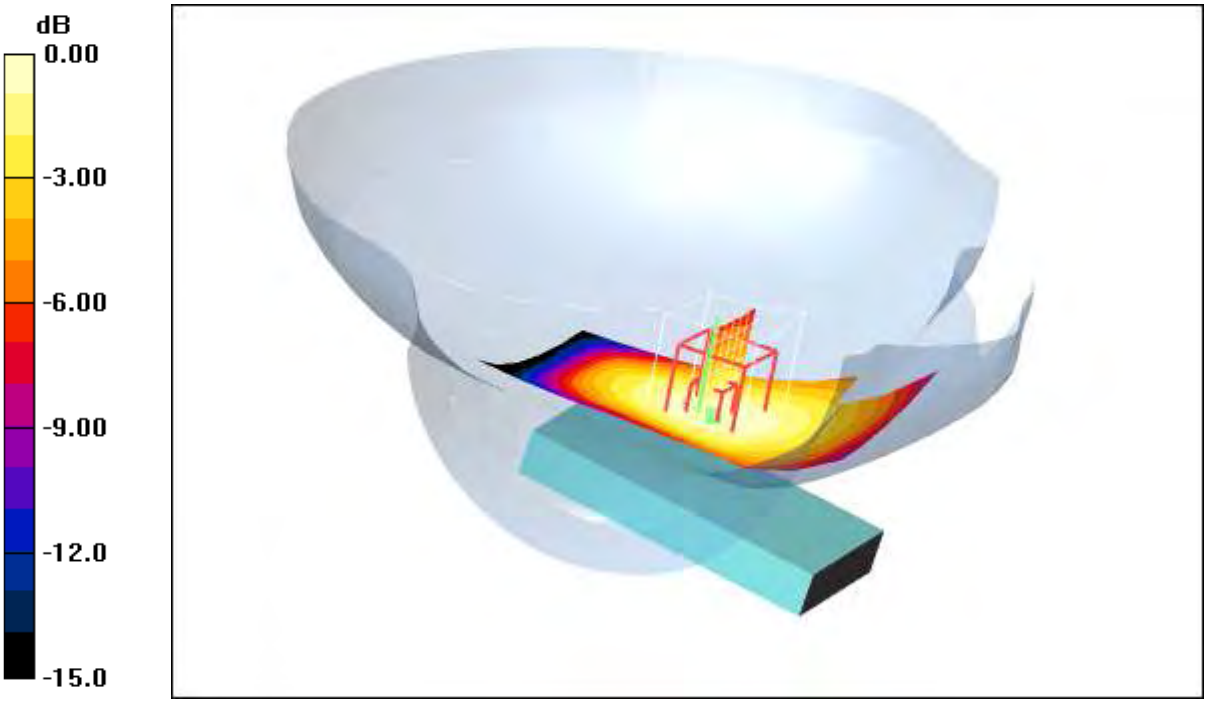
DUT: Sony Ericsson; Type: AAD-3252081-BV; Serial: CB5112VESN
Communication System: PCS 850; Frequency: 824.2 MHz;Duty Cycle: 1:8
Medium: HSL850 Medium parameters used: f = 824.2 MHz; σ = 0.88 mho/m; ε_r = 42.5; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1558; ConvF(6.19, 6.19, 6.19); Calibrated: 2008-08-15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn413; Calibrated: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Tilt position - Low/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.217 mW/g

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

Reference Value = 16.3 V/m; Power Drift = -0.069 dB
Peak SAR (extrapolated) = 0.259 W/kg
SAR(1 g) = 0.207 mW/g; SAR(10 g) = 0.154 mW/g
Maximum value of SAR (measured) = 0.217 mW/g



0 dB = 0.217mW/g

Additional information:
position or distance of DUT to SAM (if not standard head positions) :
ambient temperature: 23.2°C; liquid temperature: 22.3°C

Date/Time: 2008-09-24 14:39:24Date/Time: 2008-09-24 14:45:26

P1528_OET65-LeftHandSide-GSM850

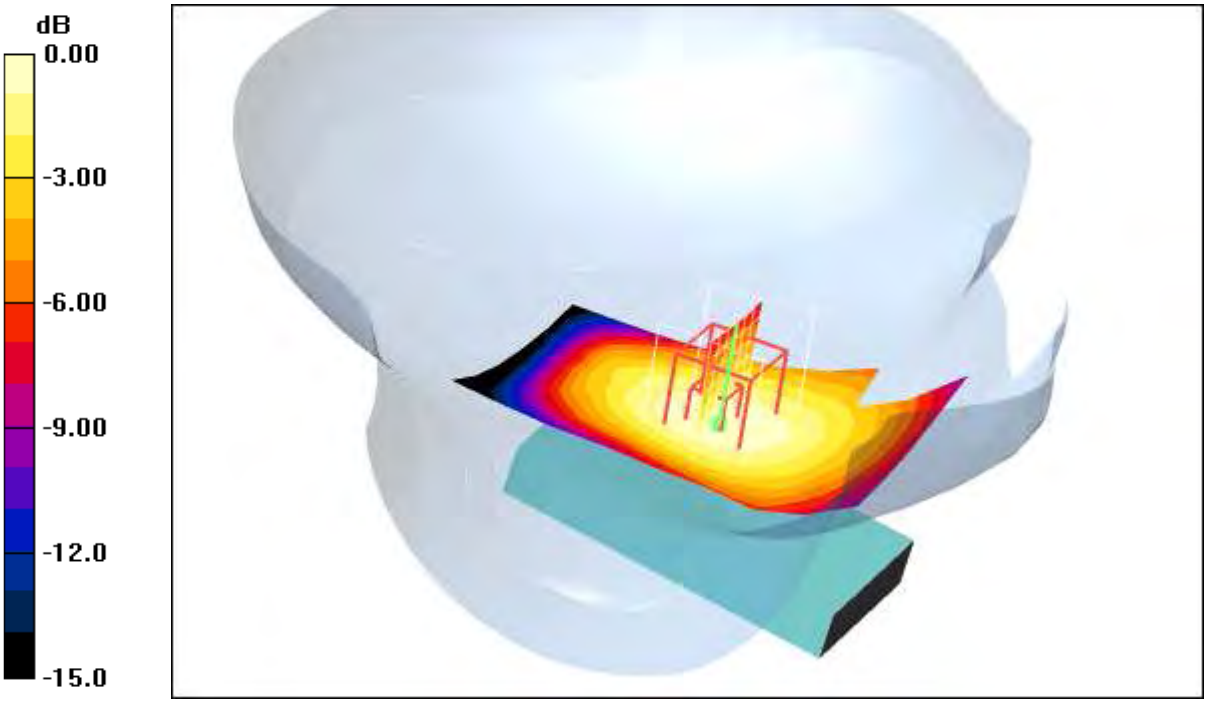
DUT: Sony Ericsson; Type: AAD-3252081-BV; Serial: CB5112VESN
Communication System: PCS 850; Frequency: 836.6 MHz;Duty Cycle: 1:8
Medium: HSL850 Medium parameters used: f = 836.6 MHz; σ = 0.88 mho/m; ε_r = 42.5; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1558; ConvF(6.19, 6.19, 6.19); Calibrated: 2008-08-15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn413; Calibrated: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Tilt position - Middle/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.296 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 = -0.066 dB
Peak SAR (extrapolated) = 0.351 W/kg
SAR(1 g) = 0.284 mW/g; SAR(10 g) = 0.210 mW/g
Maximum value of SAR (measured) = 0.298 mW/g



0 dB = 0.298mW/g

Additional information:
position or distance of DUT to SAM (if not standard head positions) :
ambient temperature: 23.2°C; liquid temperature: 22.3°C

Date/Time: 2008-09-24 14:19:09Date/Time: 2008-09-24 14:25:09

P1528_OET65-LeftHandSide-GSM850

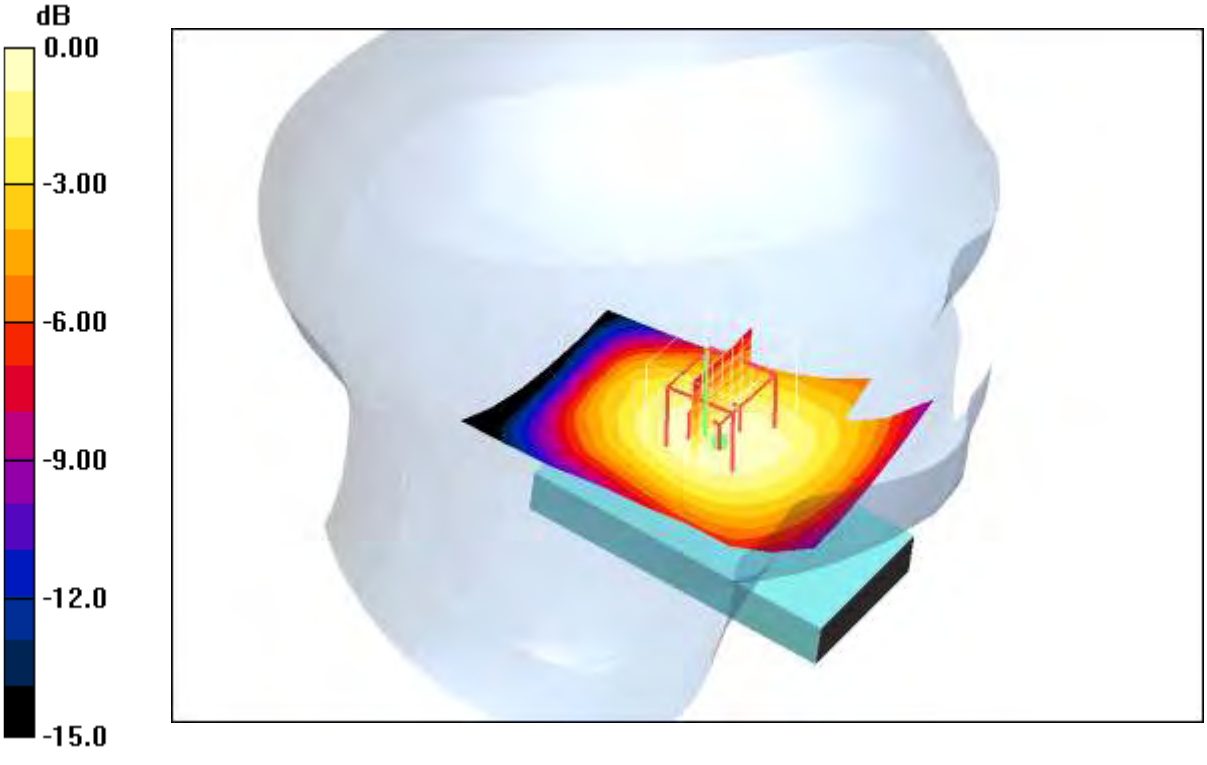
DUT: Sony Ericsson; Type: AAD-3252081-BV; Serial: CB5112VESN
Communication System: PCS 850; Frequency: 848.8 MHz;Duty Cycle: 1:8
Medium: HSL850 Medium parameters used: f = 848.8 MHz; σ = 0.88 mho/m; ε_r = 42.5; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1558; ConvF(6.19, 6.19, 6.19); Calibrated: 2008-08-15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn413; Calibrated: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Tilt position - High/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.389 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 = -0.021 dB
Peak SAR (extrapolated) = 0.463 W/kg
SAR(1 g) = 0.370 mW/g; SAR(10 g) = 0.272 mW/g
Maximum value of SAR (measured) = 0.385 mW/g



0 dB = 0.385mW/g

Additional information:
position or distance of DUT to SAM (if not standard head positions) :
ambient temperature: 23.2°C; liquid temperature: 22.3°C

Date/Time: 2008-09-24 17:13:10Date/Time: 2008-09-24 17:19:14

P1528_OET65-LeftHandSide-GSM850-open

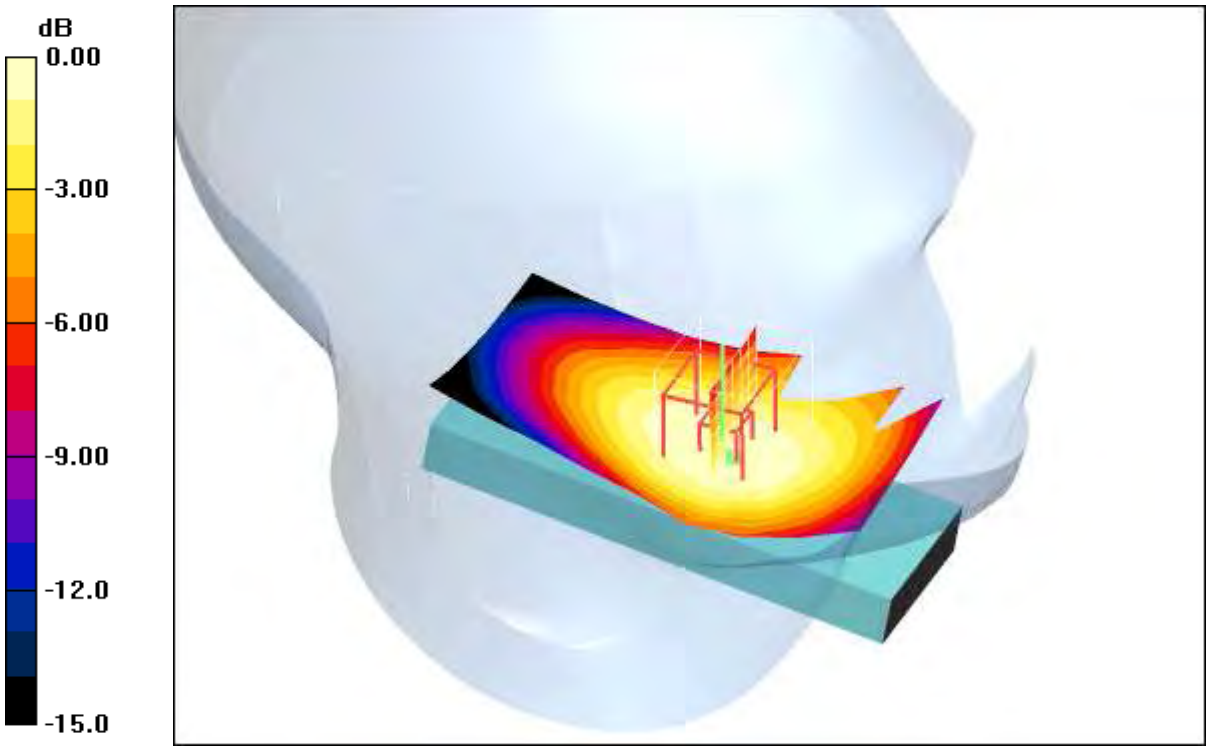
DUT: Sony Ericsson; Type: AAD-3252081-BV; Serial: CB5112VESN
Communication System: PCS 850; Frequency: 824.2 MHz;Duty Cycle: 1:8
Medium: HSL850 Medium parameters used: f = 824.2 MHz; σ = 0.88 mho/m; ε_r = 42.5; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1558; ConvF(6.19, 6.19, 6.19); Calibrated: 2008-08-15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn413; Calibrated: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Touch position - Low/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.387 mW/g

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

Reference Value = 21.4 V/m; Power Drift = 0.037 dB
Peak SAR (extrapolated) = 0.451 W/kg
SAR(1 g) = 0.364 mW/g; SAR(10 g) = 0.277 mW/g
Maximum value of SAR (measured) = 0.379 mW/g



0 dB = 0.379mW/g

Additional information:
position or distance of DUT to SAM (if not standard head positions) :
ambient temperature: 23.0°C; liquid temperature: 22.2°C

Date/Time: 2008-09-24 16:45:50Date/Time: 2008-09-24 16:52:28

P1528_OET65-LeftHandSide-GSM850-open

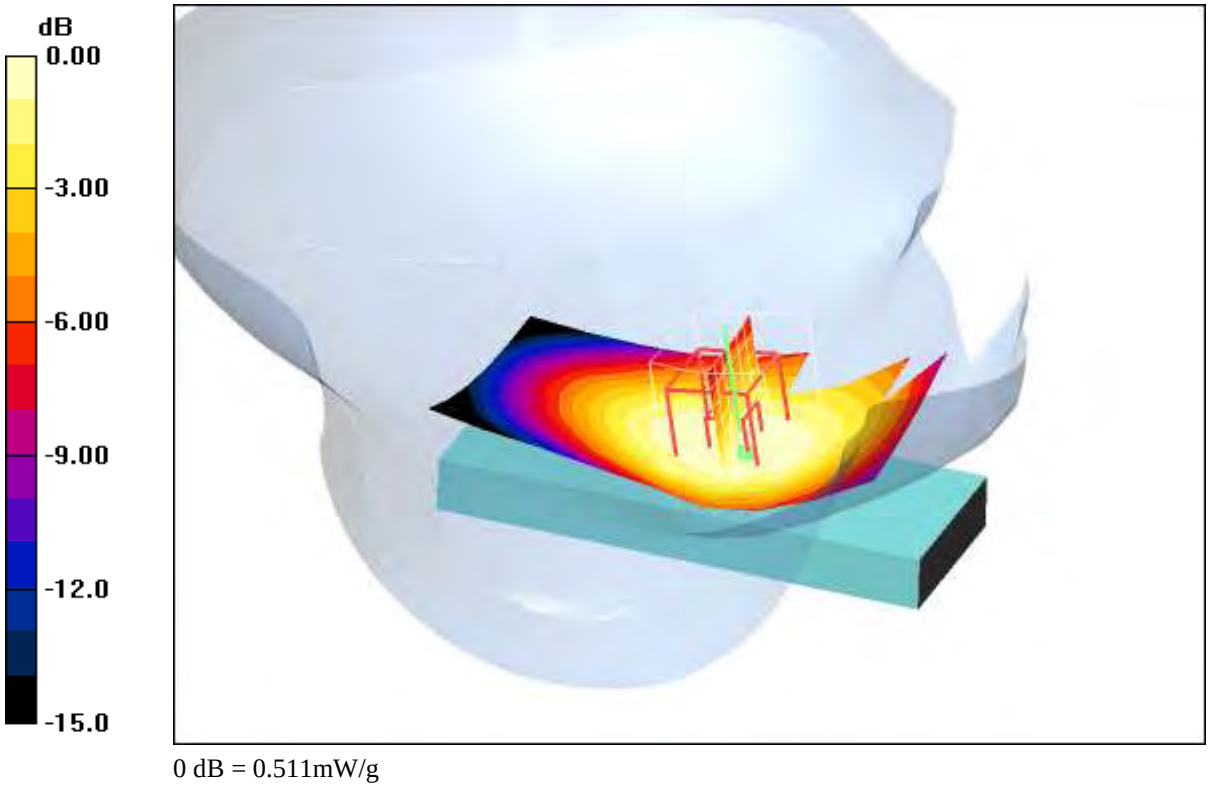
DUT: Sony Ericsson; Type: AAD-3252081-BV; Serial: CB5112VESN
Communication System: PCS 850; Frequency: 836.6 MHz;Duty Cycle: 1:8
Medium: HSL850 Medium parameters used: f = 836.6 MHz; σ = 0.88 mho/m; ε_r = 42.5; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1558; ConvF(6.19, 6.19, 6.19); Calibrated: 2008-08-15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn413; Calibrated: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Touch position - Middle/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.525 mW/g

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

Reference Value = 25.1 V/m; Power Drift = -0.037 dB
Peak SAR (extrapolated) = 0.611 W/kg
SAR(1 g) = 0.493 mW/g; SAR(10 g) = 0.375 mW/g
Maximum value of SAR (measured) = 0.511 mW/g



0 dB = 0.511mW/g

Additional information:
position or distance of DUT to SAM (if not standard head positions) :
ambient temperature: 23.0°C; liquid temperature: 22.2°C

Date/Time: 2008-09-24 16:24:57Date/Time: 2008-09-24 16:30:52

P1528_OET65-LeftHandSide-GSM850-open

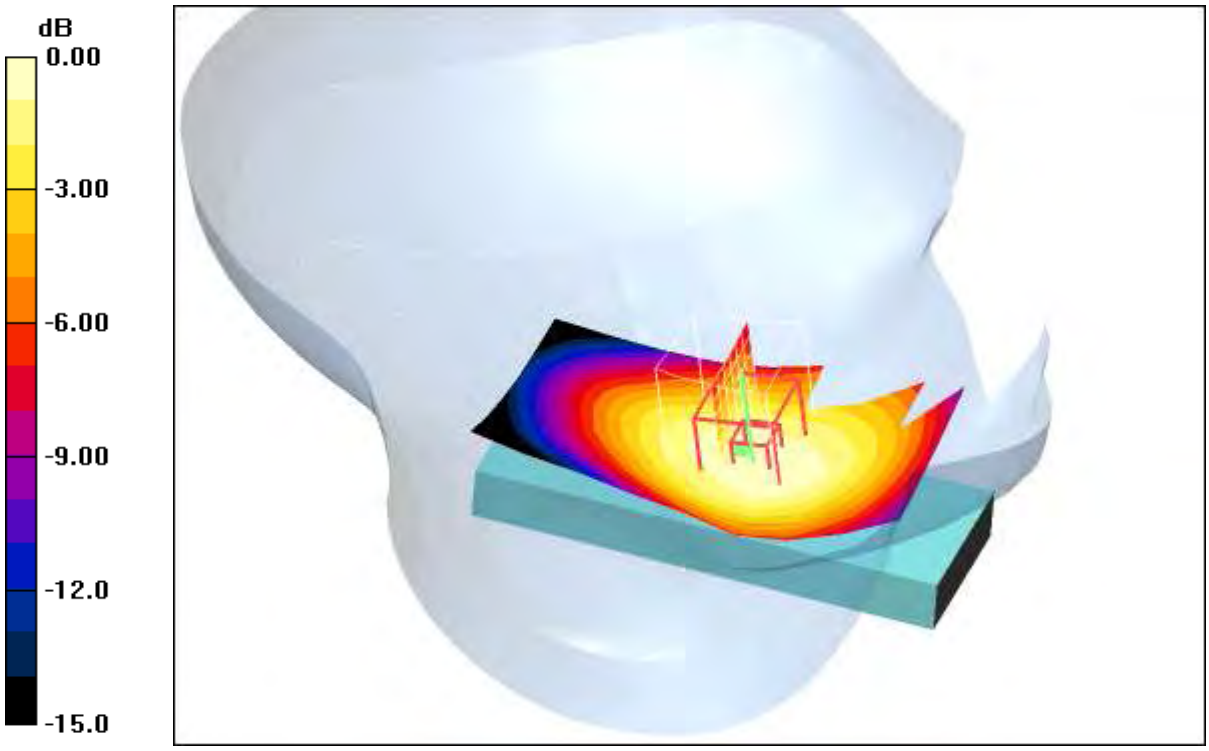
DUT: Sony Ericsson; Type: AAD-3252081-BV; Serial: CB5112VESN
Communication System: PCS 850; Frequency: 848.8 MHz;Duty Cycle: 1:8
Medium: HSL850 Medium parameters used: f = 848.8 MHz; σ = 0.88 mho/m; ε_r = 42.5; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1558; ConvF(6.19, 6.19, 6.19); Calibrated: 2008-08-15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn413; Calibrated: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Touch position - High/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.661 mW/g

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

Reference Value = 28.6 V/m; Power Drift = -0.171 dB
Peak SAR (extrapolated) = 0.814 W/kg
SAR(1 g) = 0.665 mW/g; SAR(10 g) = 0.498 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: 23.0°C; liquid temperature: 22.2°C

Date/Time: 2008-09-24 15:23:59Date/Time: 2008-09-24 15:30:02

P1528_OET65-LeftHandSide-GSM850-open

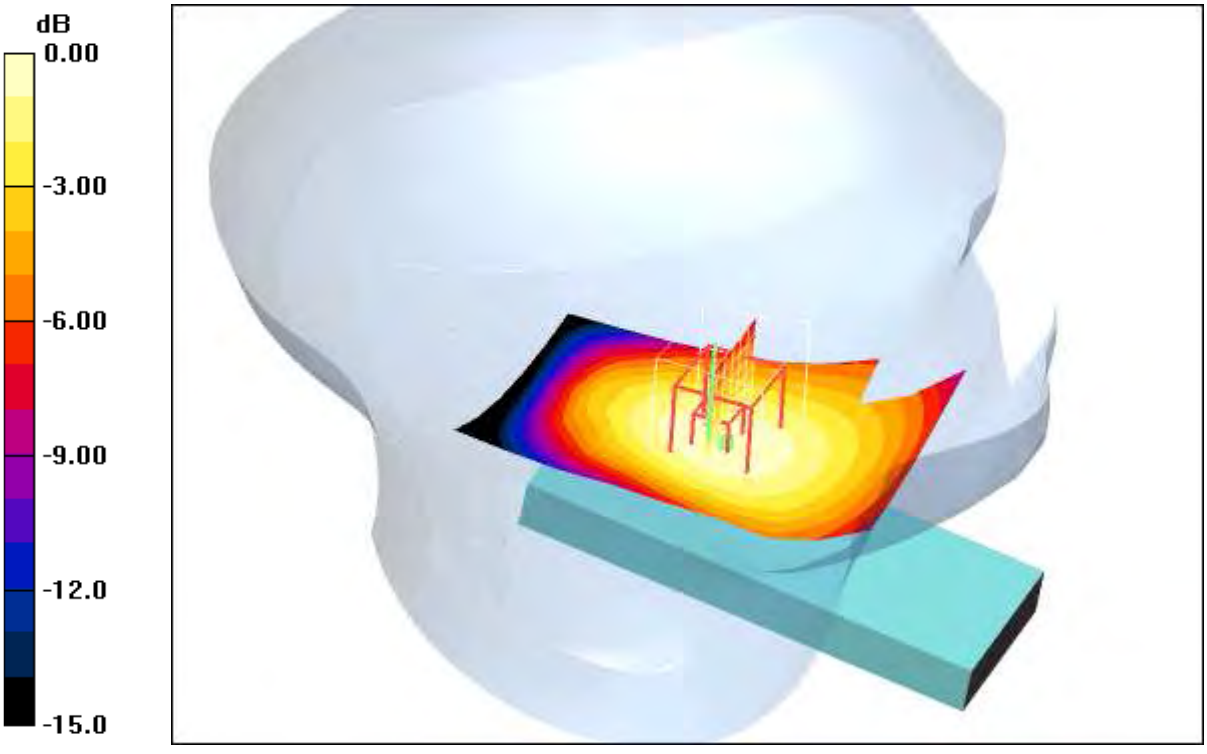
DUT: Sony Ericsson; Type: AAD-3252081-BV; Serial: CB5112VESN
Communication System: PCS 850; Frequency: 824.2 MHz; Duty Cycle: 1:8
Medium: HSL850 Medium parameters used: f = 824.2 MHz; σ = 0.88 mho/m; ε_r = 42.5; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1558; ConvF(6.19, 6.19, 6.19); Calibrated: 2008-08-15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn413; Calibrated: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Tilt position - Low/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.252 mW/g

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

Reference Value = 17.1 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.299 W/kg
SAR(1 g) = 0.238 mW/g; SAR(10 g) = 0.176 mW/g
Maximum value of SAR (measured) = 0.251 mW/g



0 dB = 0.251mW/g

Additional information:
position or distance of DUT to SAM (if not standard head positions) :
ambient temperature: 23.0°C; liquid temperature: 22.2°C

Date/Time: 2008-09-24 15:45:15Date/Time: 2008-09-24 15:51:29

P1528_OET65-LeftHandSide-GSM850-open

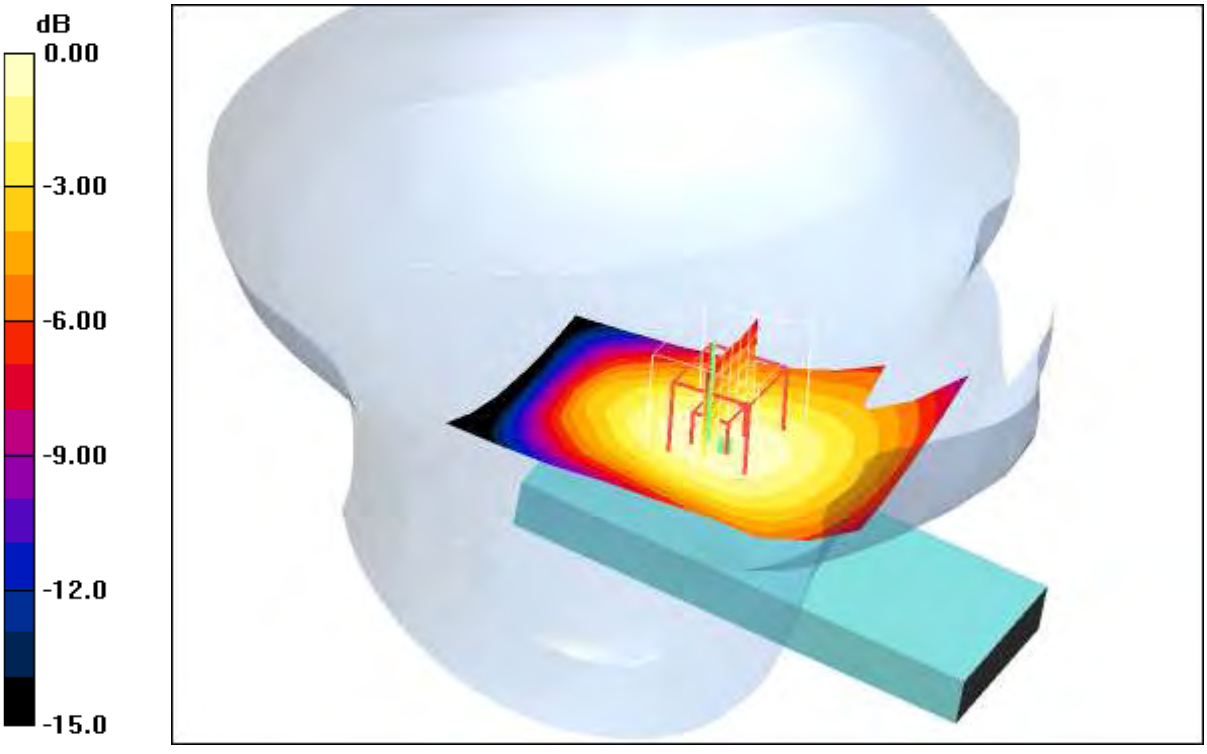
DUT: Sony Ericsson; Type: AAD-3252081-BV; Serial: CB5112VESN
Communication System: PCS 850; Frequency: 836.6 MHz; Duty Cycle: 1:8
Medium: HSL850 Medium parameters used: f = 836.6 MHz; σ = 0.88 mho/m; ε_r = 42.5; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1558; ConvF(6.19, 6.19, 6.19); Calibrated: 2008-08-15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn413; Calibrated: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Tilt position - Middle/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

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

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

Reference Value = 19.5 V/m; Power Drift = 0.026 dB
Peak SAR (extrapolated) = 0.390 W/kg
SAR(1 g) = 0.309 mW/g; SAR(10 g) = 0.227 mW/g
Maximum value of SAR (measured) = 0.326 mW/g



0 dB = 0.326mW/g

Additional information:
position or distance of DUT to SAM (if not standard head positions) :
ambient temperature: 23.0°C; liquid temperature: 22.2°C

Date/Time: 2008-09-24 16:05:00Date/Time: 2008-09-24 16:10:59

P1528_OET65-LeftHandSide-GSM850-open

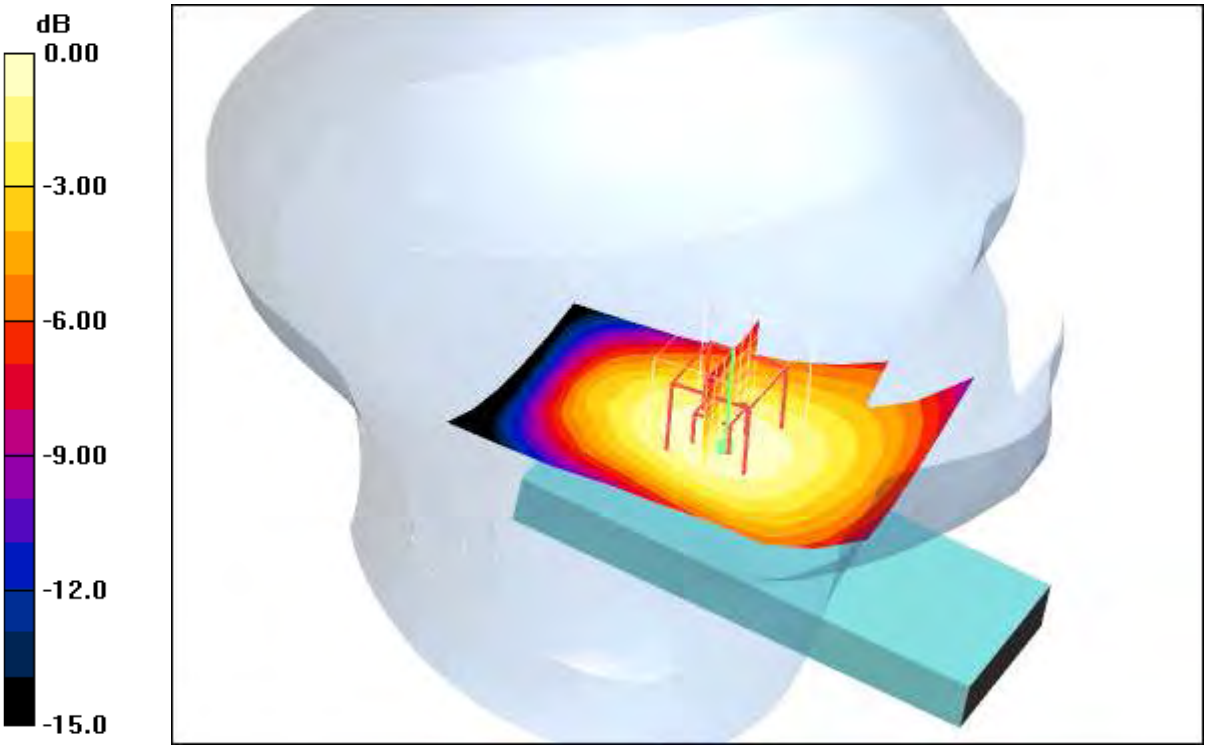
DUT: Sony Ericsson; Type: AAD-3252081-BV; Serial: CB5112VESN
Communication System: PCS 850; Frequency: 848.8 MHz; Duty Cycle: 1:8
Medium: HSL850 Medium parameters used: f = 848.8 MHz; σ = 0.88 mho/m; ε_r = 42.5; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1558; ConvF(6.19, 6.19, 6.19); Calibrated: 2008-08-15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn413; Calibrated: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Tilt position - High/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.396 mW/g

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

Reference Value = 21.4 V/m; Power Drift = -0.036 dB
Peak SAR (extrapolated) = 0.476 W/kg
SAR(1 g) = 0.375 mW/g; SAR(10 g) = 0.273 mW/g
Maximum value of SAR (measured) = 0.393 mW/g



0 dB = 0.393mW/g

Additional information:
position or distance of DUT to SAM (if not standard head positions) :
ambient temperature: 23.0°C; liquid temperature: 22.2°C

Date/Time: 2008-09-25 08:42:09Date/Time: 2008-09-25 08:47:37

P1528_OET65-RightHandSide-GSM850

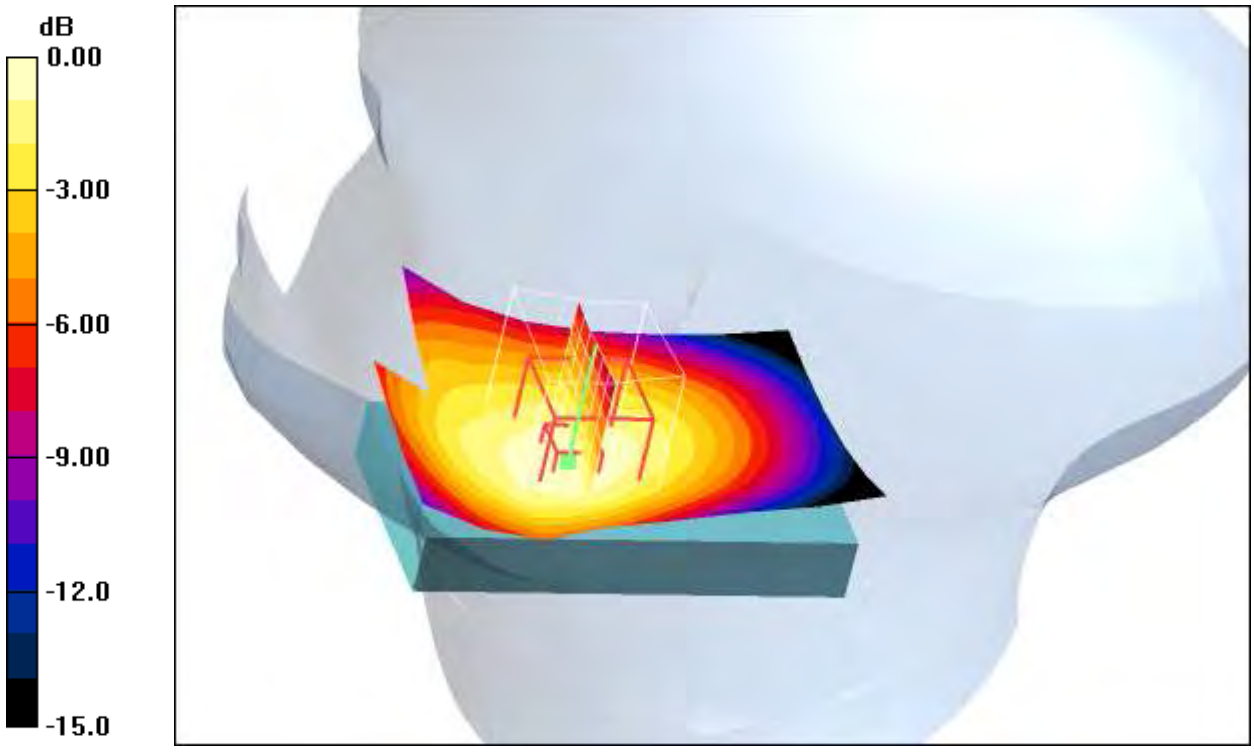
DUT: Sony Ericsson; Type: AAD-3252081-BV; Serial: CB5112VESN
Communication System: PCS 850; Frequency: 824.2 MHz; Duty Cycle: 1:8
Medium: HSL850 Medium parameters used: f = 824.2 MHz; σ = 0.88 mho/m; ε_r = 42.5; ρ = 1000 kg/m^3
Phantom section: Right Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1558; ConvF(6.19, 6.19, 6.19); Calibrated: 2008-08-15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn413; Calibrated: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

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

Maximum value of SAR (interpolated) = 0.450 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 = -0.020 dB
Peak SAR (extrapolated) = 0.528 W/kg
SAR(1 g) = 0.419 mW/g; SAR(10 g) = 0.303 mW/g
Maximum value of SAR (measured) = 0.451 mW/g



0 dB = 0.451mW/g

Additional information:
position or distance of DUT to SAM (if not standard head positions) :
ambient temperature: 23.1°C; liquid temperature: 22.3°C

Date/Time: 2008-09-25 09:02:41Date/Time: 2008-09-25 09:08:12

P1528_OET65-RightHandSide-GSM850

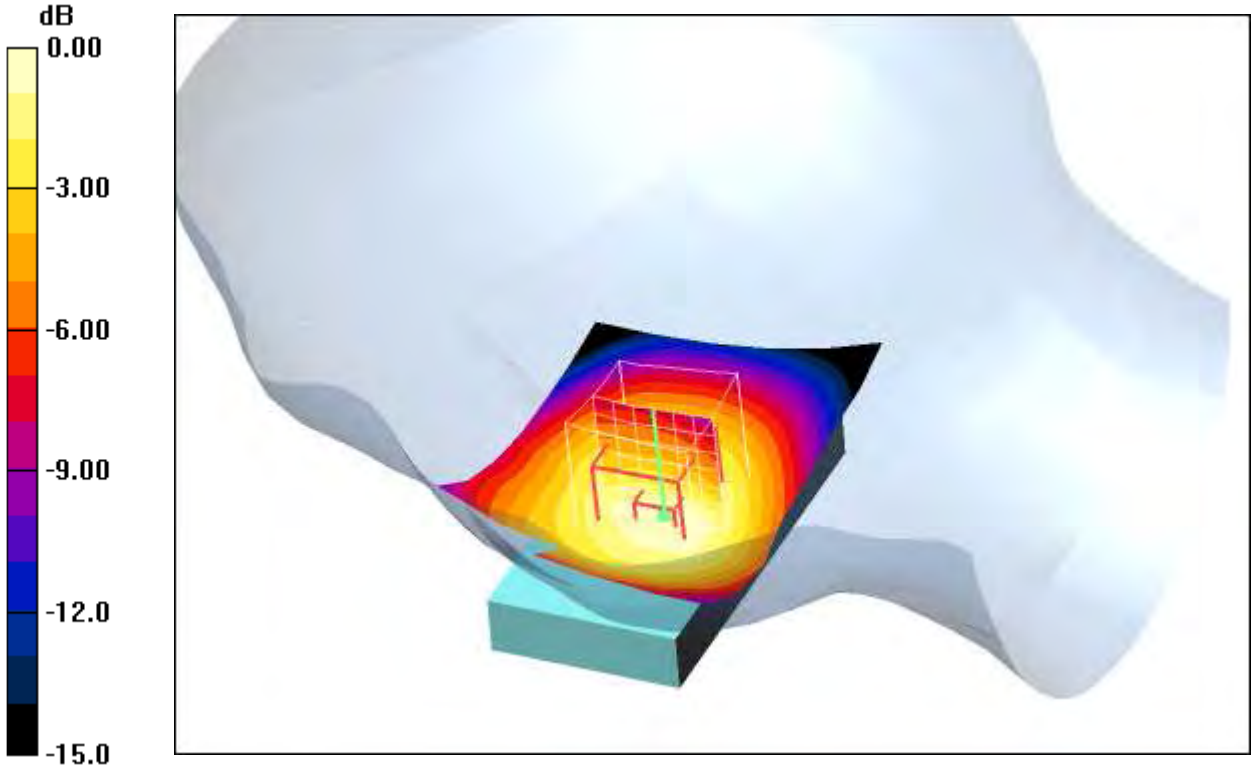
DUT: Sony Ericsson; Type: AAD-3252081-BV; Serial: CB5112VESN
Communication System: PCS 850; Frequency: 836.6 MHz; Duty Cycle: 1:8
Medium: HSL850 Medium parameters used: f = 836.6 MHz; σ = 0.88 mho/m; ε_r = 42.5; ρ = 1000 kg/m^3
Phantom section: Right Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1558; ConvF(6.19, 6.19, 6.19); Calibrated: 2008-08-15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn413; Calibrated: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

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

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

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

Reference Value = 29.7 V/m; Power Drift = -0.056 dB
Peak SAR (extrapolated) = 0.871 W/kg
SAR(1 g) = 0.655 mW/g; SAR(10 g) = 0.466 mW/g
Maximum value of SAR (measured) = 0.707 mW/g



0 dB = 0.707mW/g

Additional information:
position or distance of DUT to SAM (if not standard head positions) :
ambient temperature: 23.1°C; liquid temperature: 22.3°C

Date/Time: 2008-09-25 09:23:10Date/Time: 2008-09-25 09:28:40

P1528_OET65-RightHandSide-GSM850

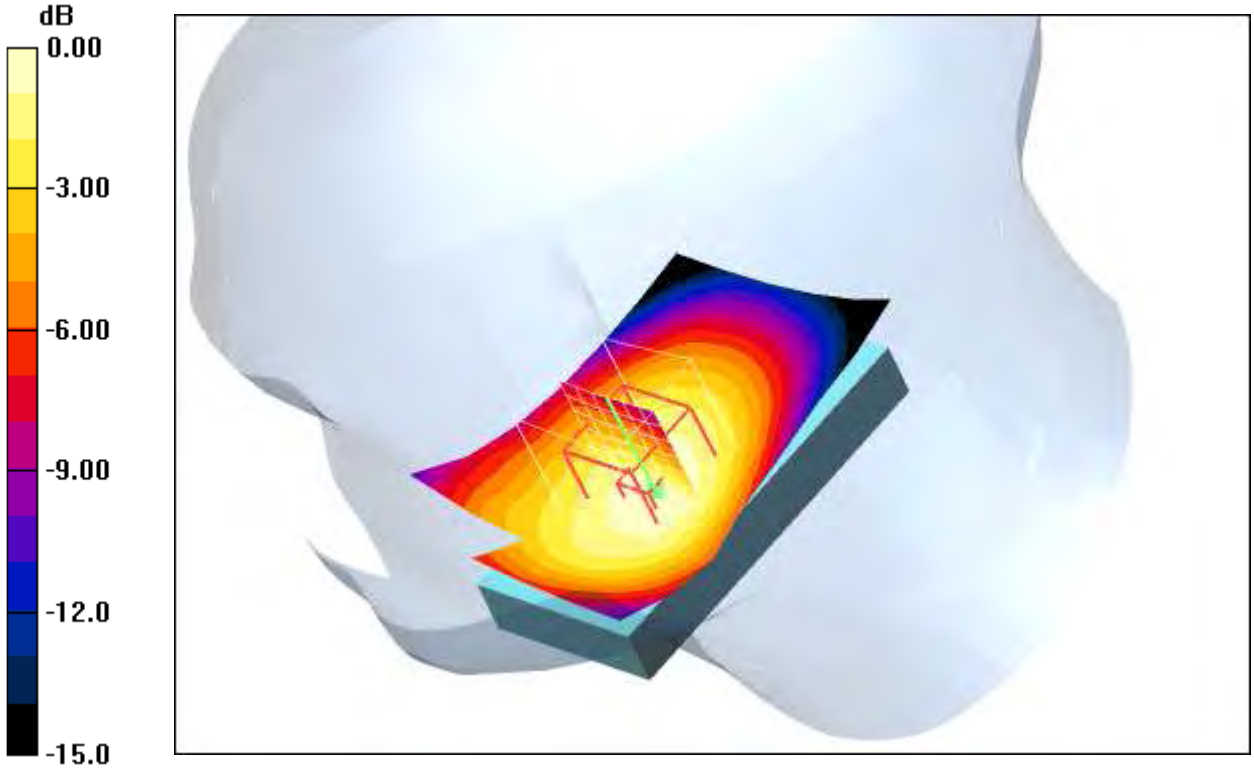
DUT: Sony Ericsson; Type: AAD-3252081-BV; Serial: CB5112VESN
Communication System: PCS 850; Frequency: 848.8 MHz; Duty Cycle: 1:8
Medium: HSL850 Medium parameters used: f = 848.8 MHz; σ = 0.88 mho/m; ε_r = 42.5; ρ = 1000 kg/m^3
Phantom section: Right Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1558; ConvF(6.19, 6.19, 6.19); Calibrated: 2008-08-15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn413; Calibrated: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

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

Maximum value of SAR (interpolated) = 0.895 mW/g

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

Reference Value = 33.0 V/m; Power Drift = -0.046 dB
Peak SAR (extrapolated) = 1.08 W/kg
SAR(1 g) = 0.810 mW/g; SAR(10 g) = 0.574 mW/g
Maximum value of SAR (measured) = 0.886 mW/g



0 dB = 0.886mW/g

Additional information:
position or distance of DUT to SAM (if not standard head positions) :
ambient temperature: 23.1°C; liquid temperature: 22.3°C

Date/Time: 2008-09-24 20:59:46Date/Time: 2008-09-24 21:05:43

P1528_OET65-RightHandSide-GSM850

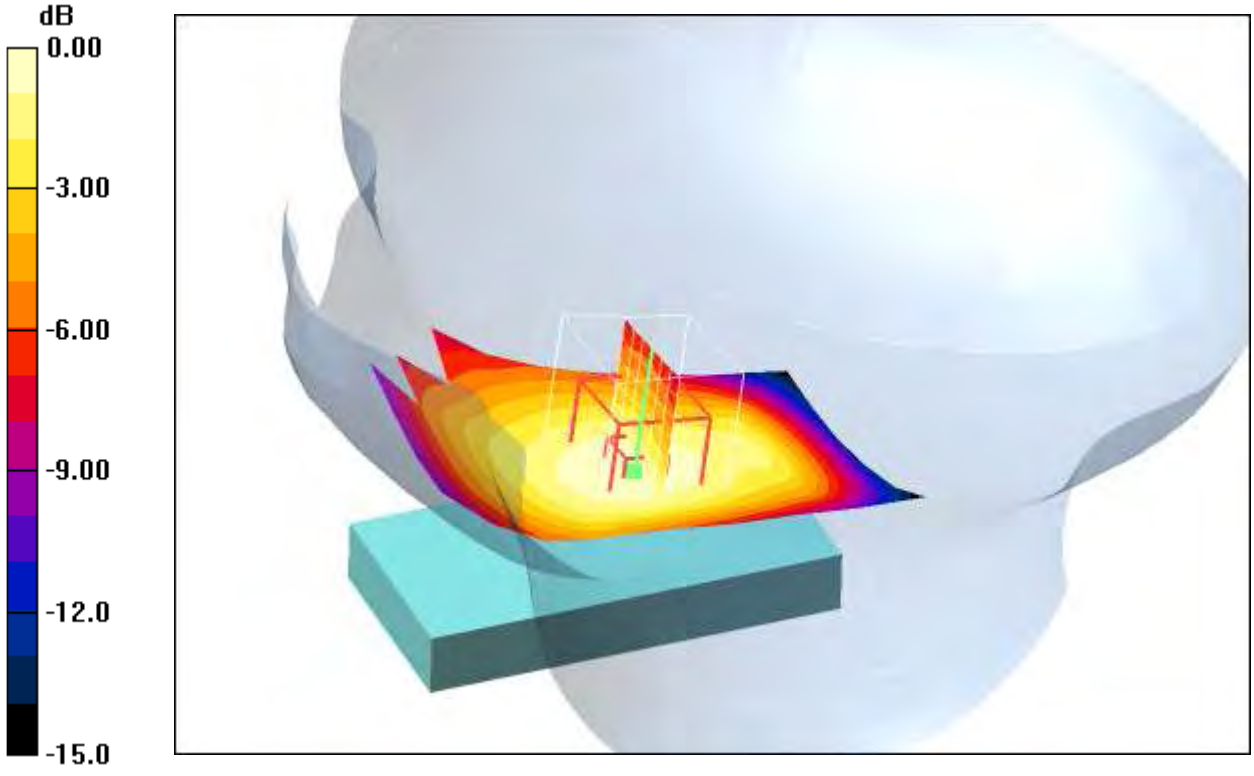
DUT: Sony Ericsson; Type: AAD-3252081-BV; Serial: CB5112VESN
Communication System: PCS 850; Frequency: 836.6 MHz; Duty Cycle: 1:8
Medium: HSL850 Medium parameters used: f = 836.6 MHz; σ = 0.88 mho/m; ε_r = 42.5; ρ = 1000 kg/m^3
Phantom section: Right Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1558; ConvF(6.19, 6.19, 6.19); Calibrated: 2008-08-15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn413; Calibrated: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Tilt position - Middle/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

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

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

Reference Value = 20.9 V/m; Power Drift = -0.056 dB
Peak SAR (extrapolated) = 0.453 W/kg
SAR(1 g) = 0.359 mW/g; SAR(10 g) = 0.263 mW/g
Maximum value of SAR (measured) = 0.378 mW/g



0 dB = 0.378mW/g

Additional information:
position or distance of DUT to SAM (if not standard head positions) :
ambient temperature: 22.9°C; liquid temperature: 22.1°C

Date/Time: 2008-09-24 21:20:57Date/Time: 2008-09-24 21:27:08Date/Time: 2008-09-24 21:39:01

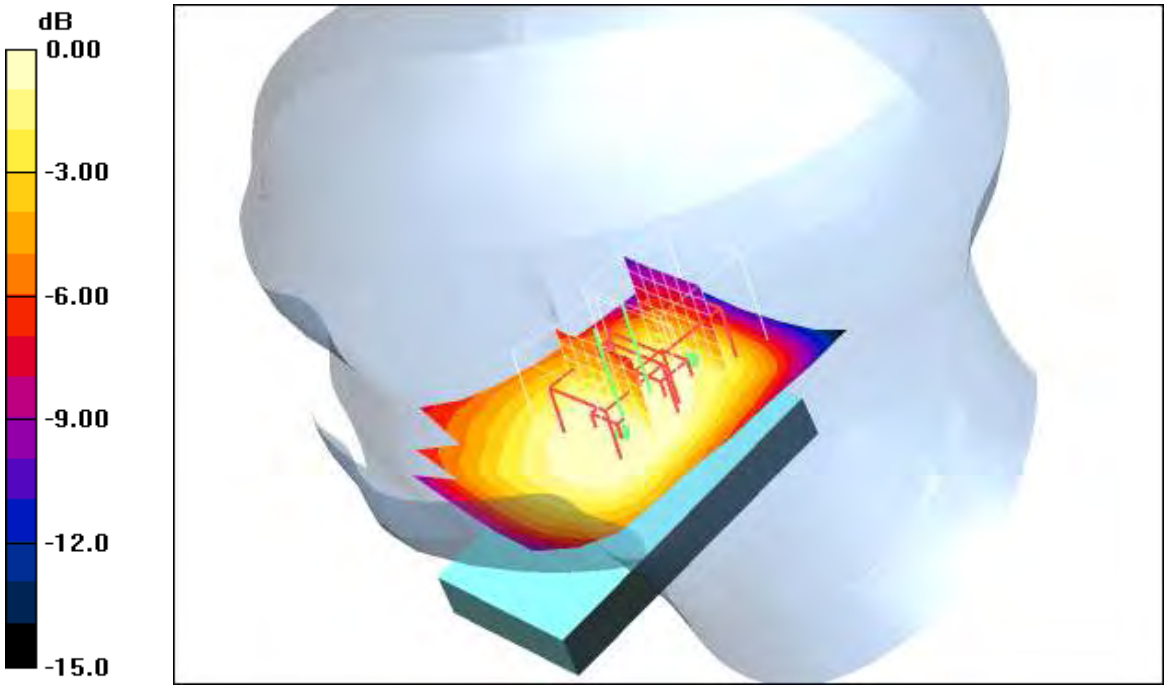
P1528_OET65-RightHandSide-GSM850

DUT: Sony Ericsson; Type: AAD-3252081-BV; Serial: CB5112VESN
Communication System: PCS 850; Frequency: 848.8 MHz; Duty Cycle: 1:8
Medium: HSL850 Medium parameters used: f = 848.8 MHz; σ = 0.88 mho/m; ε_r = 42.5; 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: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Tilt position - High/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.474 mW/g

Tilt position - High/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 23.5 V/m; Power Drift = -0.092 dB
Peak SAR (extrapolated) = 0.574 W/kg
SAR(1 g) = 0.449 mW/g; SAR(10 g) = 0.328 mW/g
Maximum value of SAR (measured) = 0.477 mW/g

Tilt position - High/Zoom Scan (7x7x7) (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 23.5 V/m; Power Drift = -0.092 dB
Peak SAR (extrapolated) = 0.475 W/kg
SAR(1 g) = 0.336 mW/g; SAR(10 g) = 0.216 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 (if not standard head positions) :
ambient temperature: 22.9°C; liquid temperature: 22.1°C

Date/Time: 2008-09-24 17:37:29Date/Time: 2008-09-24 17:43:12

P1528_OET65-RightHandSide-GSM850 open

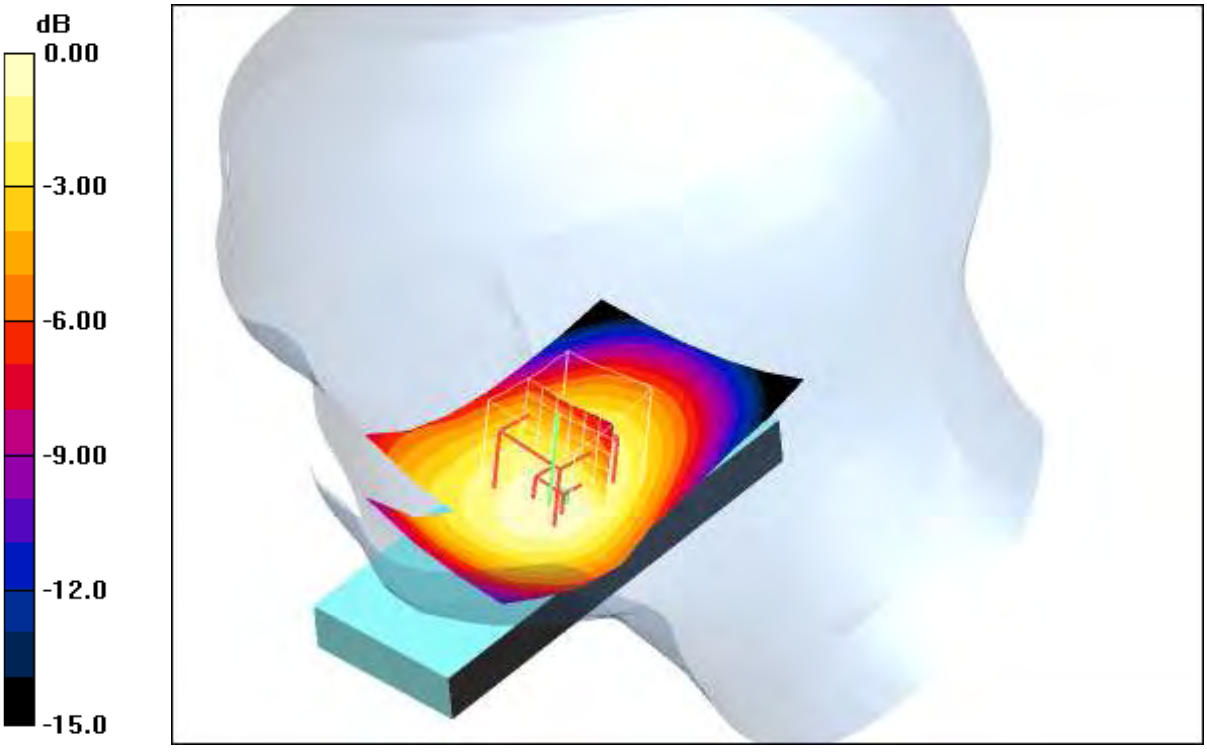
DUT: Sony Ericsson; Type: AAD-3252081-BV; Serial: CB5112VESN
Communication System: PCS 850; Frequency: 824.2 MHz; Duty Cycle: 1:8
Medium: HSL850 Medium parameters used: f = 824.2 MHz; σ = 0.88 mho/m; ε_r = 42.5; ρ = 1000 kg/m^3
Phantom section: Right Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1558; ConvF(6.19, 6.19, 6.19); Calibrated: 2008-08-15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn413; Calibrated: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Touch position - Low/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

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

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

Reference Value = 23.1 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 0.530 W/kg
SAR(1 g) = 0.410 mW/g; SAR(10 g) = 0.308 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: 22.9°C; liquid temperature: 22.1°C

Date/Time: 2008-09-24 17:58:47Date/Time: 2008-09-24 18:06:02

P1528_OET65-RightHandSide-GSM850 open

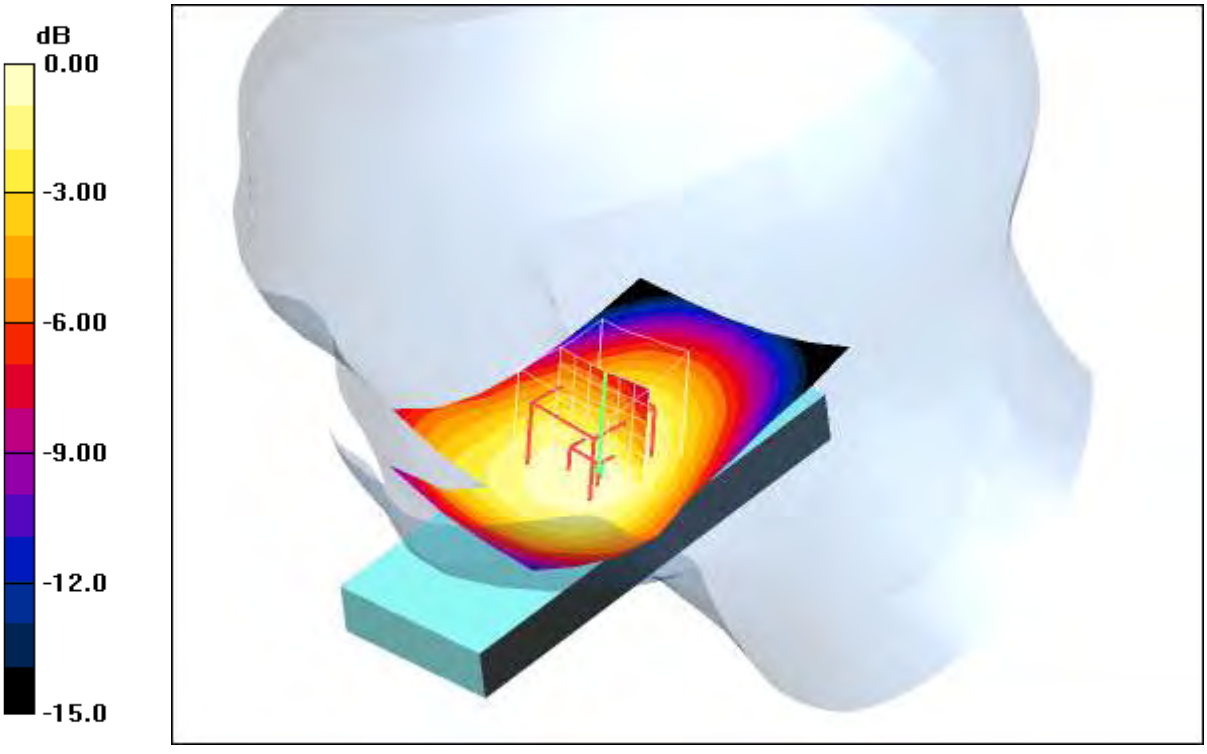
DUT: Sony Ericsson; Type: AAD-3252081-BV; Serial: CB5112VESN
Communication System: PCS 850; Frequency: 836.6 MHz; Duty Cycle: 1:8
Medium: HSL850 Medium parameters used: f = 836.6 MHz; σ = 0.88 mho/m; ε_r = 42.5; ρ = 1000 kg/m^3
Phantom section: Right Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1558; ConvF(6.19, 6.19, 6.19); Calibrated: 2008-08-15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn413; Calibrated: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Touch position - Middle/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.616 mW/g

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

Reference Value = 27.3 V/m; Power Drift = -0.043 dB
Peak SAR (extrapolated) = 0.715 W/kg
SAR(1 g) = 0.562 mW/g; SAR(10 g) = 0.419 mW/g
Maximum value of SAR (measured) = 0.592 mW/g



0 dB = 0.592mW/g

Additional information:
position or distance of DUT to SAM (if not standard head positions) :
ambient temperature: 22.9°C; liquid temperature: 22.1°C

Date/Time: 2008-09-24 18:20:42Date/Time: 2008-09-24 18:26:52

P1528_OET65-RightHandSide-GSM850 open

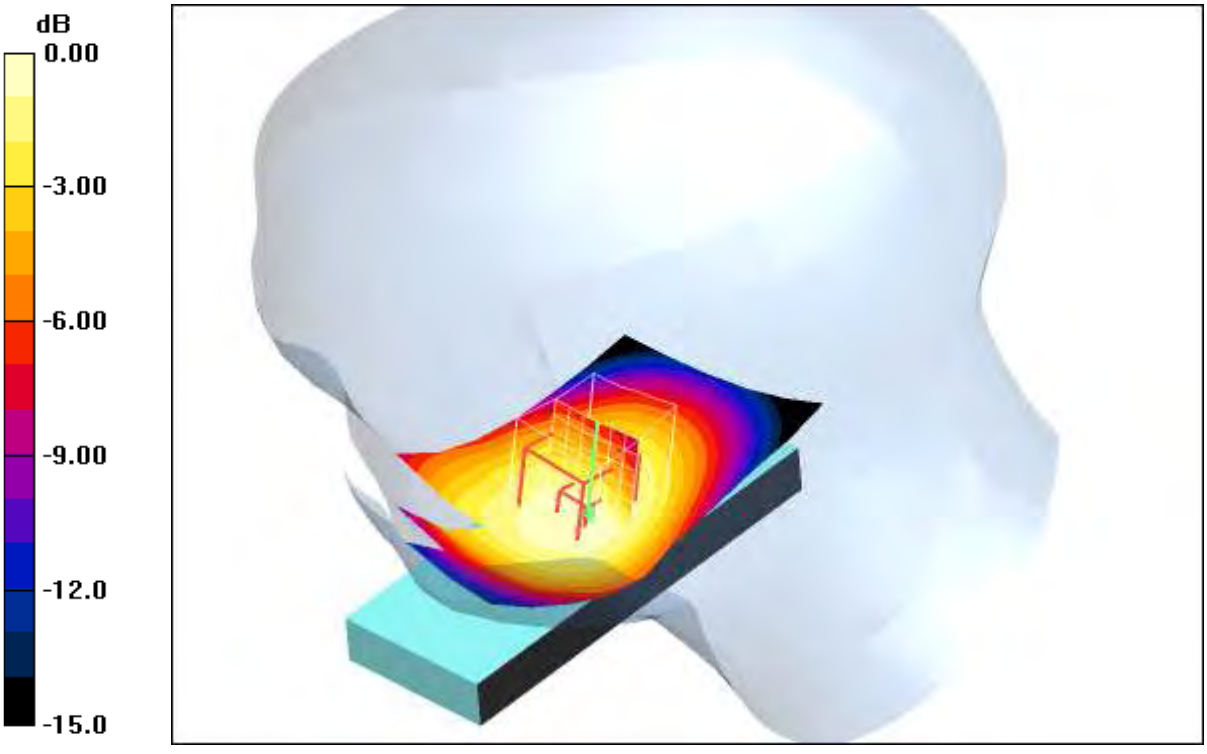
DUT: Sony Ericsson; Type: AAD-3252081-BV; Serial: CB5112VESN
Communication System: PCS 850; Frequency: 848.8 MHz; Duty Cycle: 1:8
Medium: HSL850 Medium parameters used: f = 848.8 MHz; σ = 0.88 mho/m; ε_r = 42.5; ρ = 1000 kg/m^3
Phantom section: Right Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1558; ConvF(6.19, 6.19, 6.19); Calibrated: 2008-08-15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn413; Calibrated: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Touch position - High/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm

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

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

Reference Value = 29.6 V/m; Power Drift = -0.059 dB
Peak SAR (extrapolated) = 0.856 W/kg
SAR(1 g) = 0.673 mW/g; SAR(10 g) = 0.503 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: 22.9°C; liquid temperature: 22.1°C

Date/Time: 2008-09-24 19:46:46Date/Time: 2008-09-24 20:00:40Date/Time: 2008-09-24 20:13:52

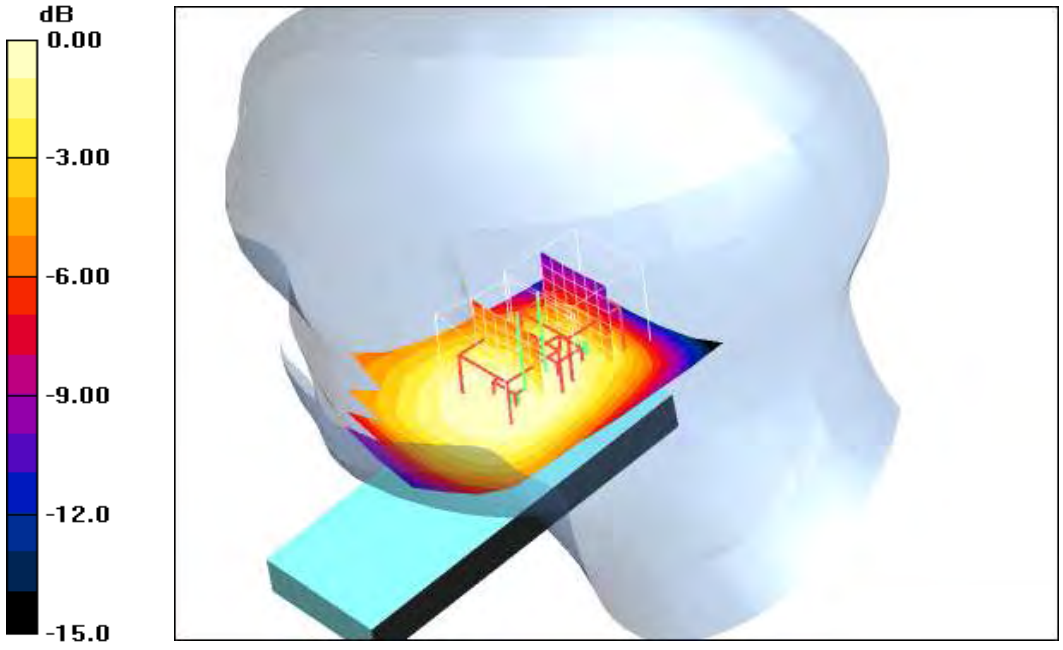
P1528_OET65-RightHandSide-GSM850 open

DUT: Sony Ericsson; Type: AAD-3252081-BV; Serial: CB5112VESN
Communication System: PCS 850; Frequency: 824.2 MHz;Duty Cycle: 1:8
Medium: HSL850 Medium parameters used: f = 824.2 MHz; σ = 0.88 mho/m; ε_r = 42.5; 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: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Tilt position - Low/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.280 mW/g

Tilt position - Low/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 17.9 V/m; Power Drift = 0.061 dB
Peak SAR (extrapolated) = 0.351 W/kg
SAR(1 g) = 0.274 mW/g; SAR(10 g) = 0.200 mW/g
Maximum value of SAR (measured) = 0.291 mW/g

Tilt position - Low/Zoom Scan (7x7x7) (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 17.9 V/m; Power Drift = 0.061 dB
Peak SAR (extrapolated) = 0.279 W/kg
SAR(1 g) = 0.197 mW/g; SAR(10 g) = 0.122 mW/g
Maximum value of SAR (measured) = 0.236 mW/g



0 dB = 0.236mW/g

Additional information:
position or distance of DUT to SAM (if not standard head positions) :
ambient temperature: 22.9°C; liquid temperature: 22.1°C

Date/Time: 2008-09-24 19:14:03Date/Time: 2008-09-24 19:20:34Date/Time: 2008-09-24 19:32:52

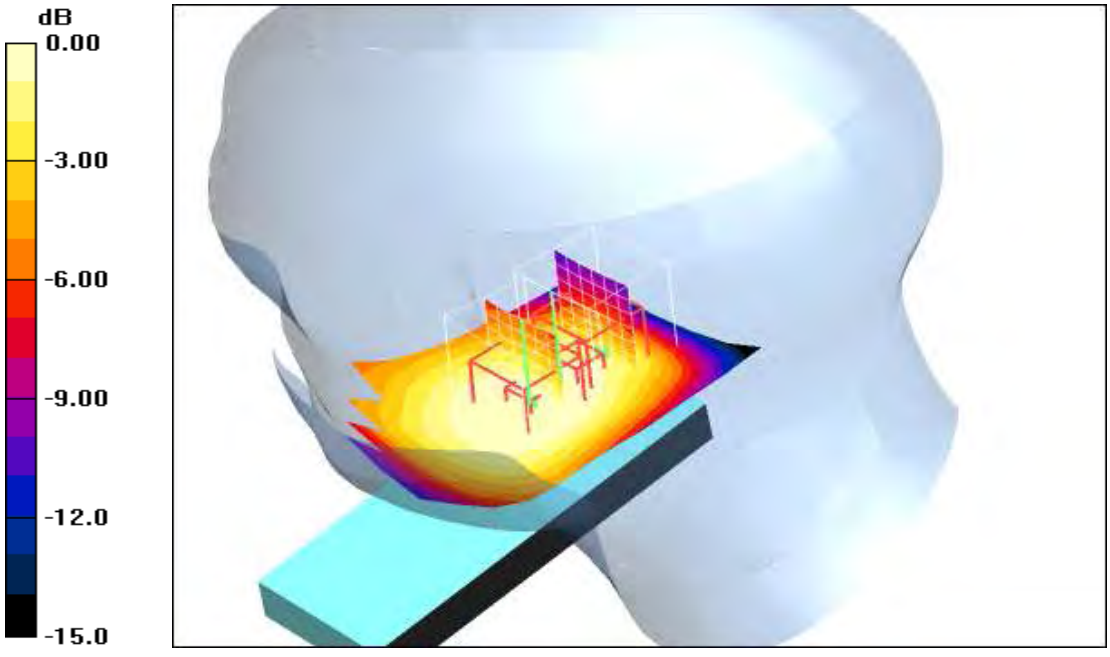
P1528_OET65-RightHandSide-GSM850 open

DUT: Sony Ericsson; Type: AAD-3252081-BV; Serial: CB5112VESN
Communication System: PCS 850; Frequency: 836.6 MHz; Duty Cycle: 1:8
Medium: HSL850 Medium parameters used: f = 836.6 MHz; σ = 0.88 mho/m; ε_r = 42.5; 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: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Tilt position - Middle/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.348 mW/g

Tilt position - Middle/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 20.2 V/m; Power Drift = -0.037 dB
Peak SAR (extrapolated) = 0.421 W/kg
SAR(1 g) = 0.330 mW/g; SAR(10 g) = 0.242 mW/g
Maximum value of SAR (measured) = 0.348 mW/g

Tilt position - Middle/Zoom Scan (7x7x7) (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 20.2 V/m; Power Drift = -0.037 dB
Peak SAR (extrapolated) = 0.350 W/kg
SAR(1 g) = 0.240 mW/g; SAR(10 g) = 0.148 mW/g
Maximum value of SAR (measured) = 0.289 mW/g



0 dB = 0.289mW/g

Additional information:
position or distance of DUT to SAM (if not standard head positions) :
ambient temperature: 22.9°C; liquid temperature: 22.1°C

Date/Time: 2008-09-24 18:42:13Date/Time: 2008-09-24 18:48:35Date/Time: 2008-09-24 19:00:32

P1528_OET65-RightHandSide-GSM850 open

DUT: Sony Ericsson; Type: AAD-3252081-BV; Serial: CB5112VESN
Communication System: PCS 850; Frequency: 848.8 MHz; Duty Cycle: 1:8
Medium: HSL850 Medium parameters used: f = 848.8 MHz; σ = 0.88 mho/m; ε_r = 42.5; 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: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Tilt position - High/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm

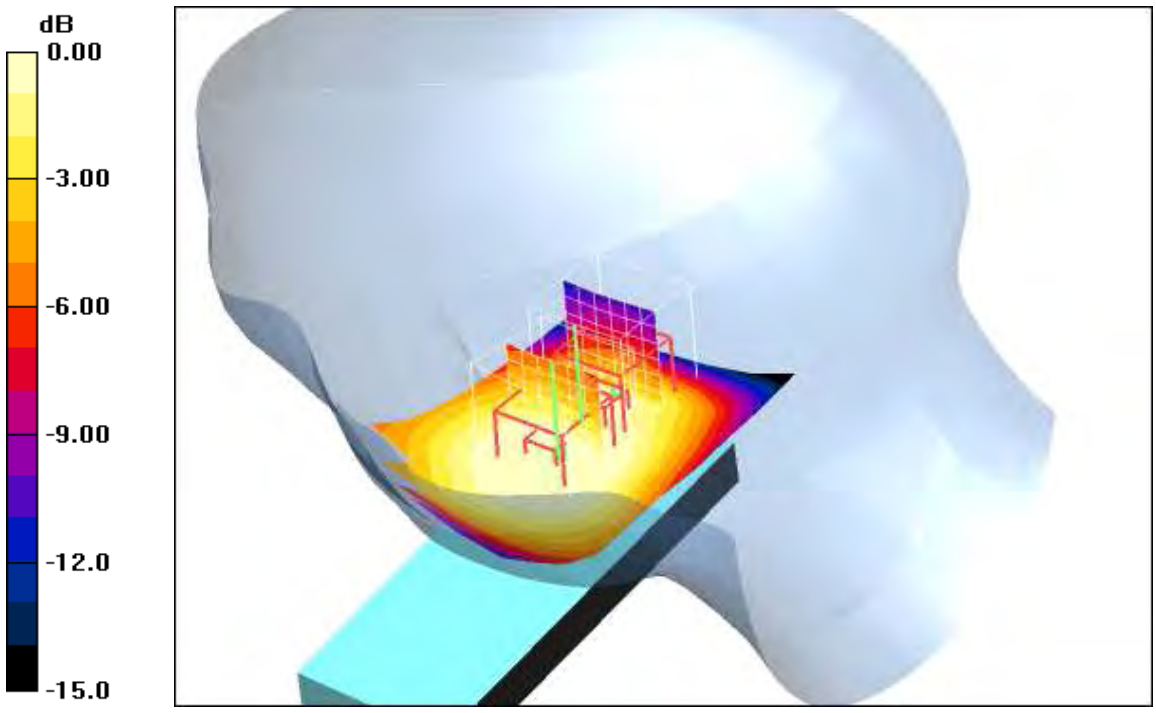
Maximum value of SAR (interpolated) = 0.414 mW/g

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 = -0.057 dB
Peak SAR (extrapolated) = 0.515 W/kg
SAR(1 g) = 0.392 mW/g; SAR(10 g) = 0.283 mW/g
Maximum value of SAR (measured) = 0.419 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 = -0.057 dB
Peak SAR (extrapolated) = 0.394 W/kg
SAR(1 g) = 0.266 mW/g; SAR(10 g) = 0.162 mW/g
Maximum value of SAR (measured) = 0.325 mW/g



0 dB = 0.325mW/g

Additional information:
position or distance of DUT to SAM (if not standard head positions) :
ambient temperature: 22.9°C; liquid temperature: 22.1°C

Annex 2.2 PCS 850 MHz body

Date/Time: 2008-09-19 14:24:01Date/Time: 2008-09-19 14:29:46

P1528_OET65-Body-GSM850 GPRS class 10

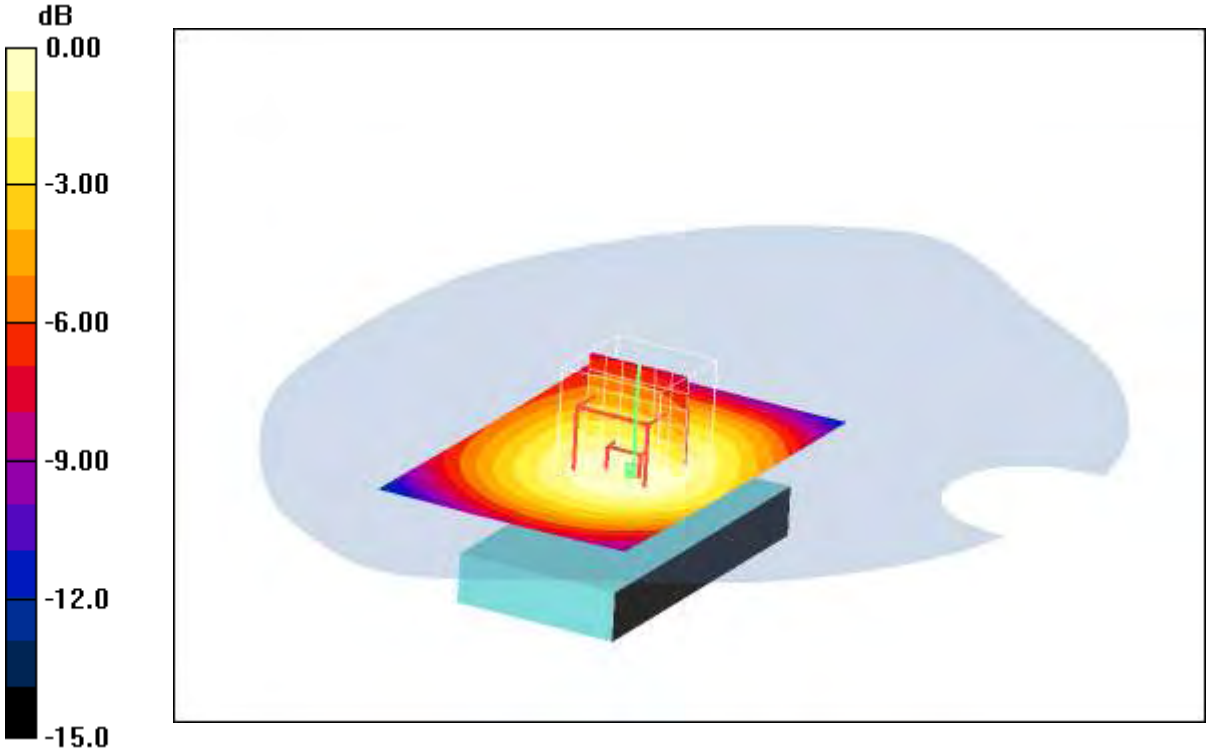
DUT: Sony Ericsson; Type: AAD-3252081-BV; Serial: CB5112VESN
Communication System: PCS 850 GPRS class 10; Frequency: 824.2 MHz; Duty Cycle: 1:4
Medium: M850 Medium parameters used: f = 824.2 MHz; σ = 0.97 mho/m; ε_r = 55.9; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1558; ConvF(5.96, 5.96, 5.96); Calibrated: 2008-08-15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn413; Calibrated: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Front position - Low/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.173 mW/g

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

Reference Value = 13.9 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.213 W/kg
SAR(1 g) = 0.163 mW/g; SAR(10 g) = 0.120 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: 22.5°C; liquid temperature: 20.8°C

Date/Time: 2008-09-19 14:47:47Date/Time: 2008-09-19 14:53:49

P1528_OET65-Body-GSM850 GPRS class 10

DUT: Sony Ericsson; Type: AAD-3252081-BV; Serial: CB5112VESN

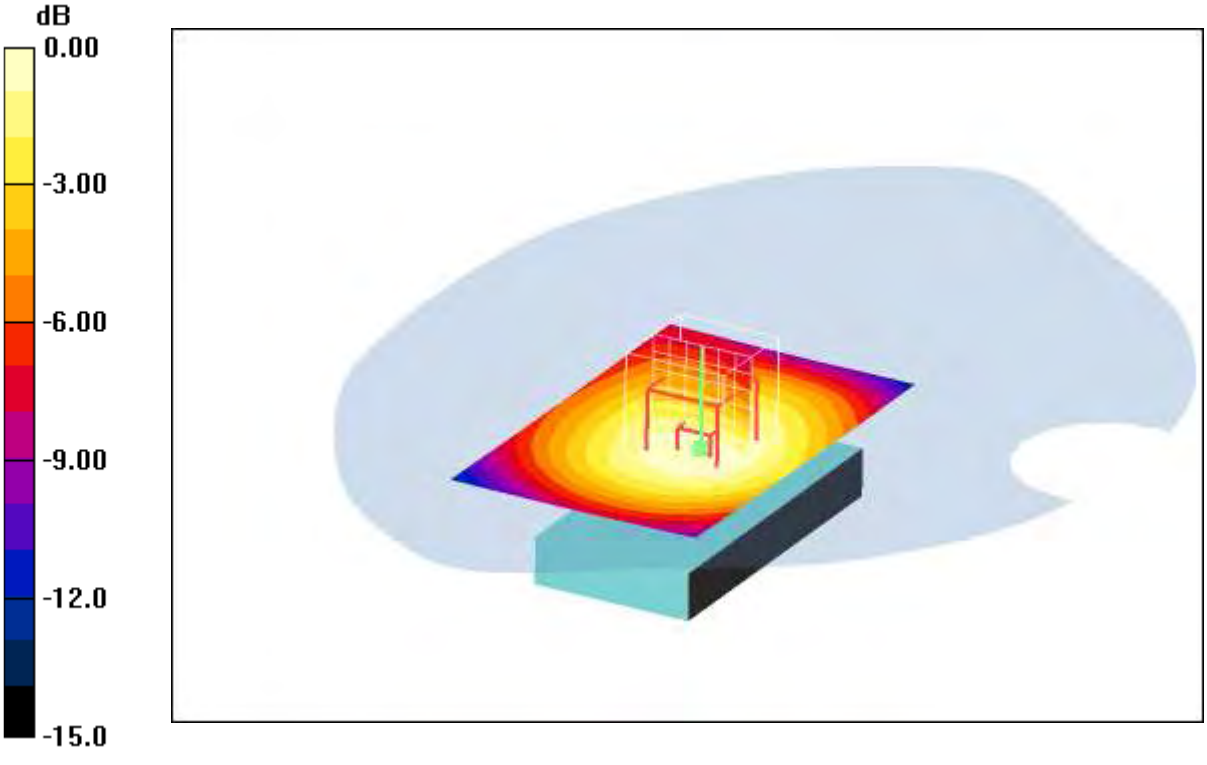
Communication System: PCS 850 GPRS class 10; Frequency: 836.6 MHz;Duty Cycle: 1:4
Medium: M850 Medium parameters used: f = 836.6 MHz; σ = 0.97 mho/m; ε_r = 55.9; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1558; ConvF(5.96, 5.96, 5.96); Calibrated: 2008-08-15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn413; Calibrated: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Front position - Middle/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.222 mW/g

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

Reference Value = 15.6 V/m; Power Drift = 0.040 dB
Peak SAR (extrapolated) = 0.279 W/kg
SAR(1 g) = 0.212 mW/g; SAR(10 g) = 0.154 mW/g
Maximum value of SAR (measured) = 0.225 mW/g



0 dB = 0.225mW/g

Additional information:
position or distance of DUT to SAM : 15 mm
ambient temperature: 22.5°C; liquid temperature: 20.8°C

Date/Time: 2008-09-19 15:11:28Date/Time: 2008-09-19 15:17:18

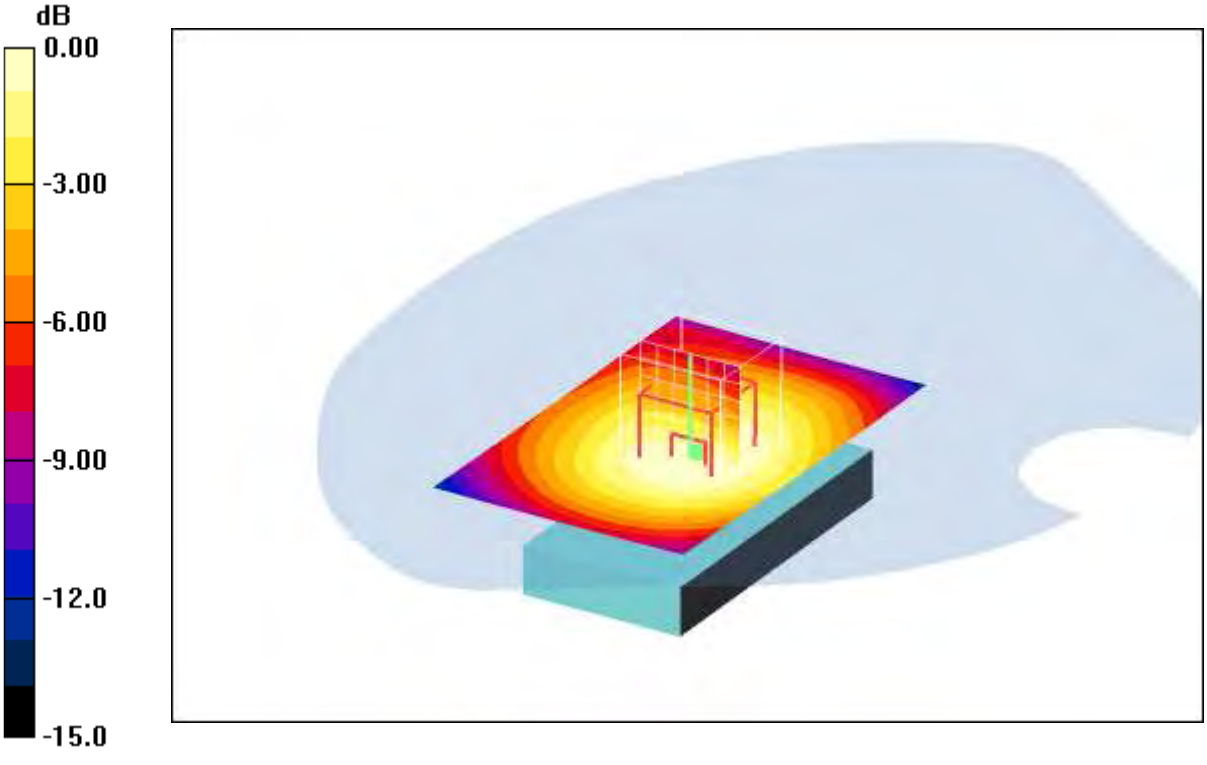
P1528_OET65-Body-GSM850 GPRS class 10

DUT: Sony Ericsson; Type: AAD-3252081-BV; Serial: CB5112VESN

Communication System: PCS 850 GPRS class 10; Frequency: 848.8 MHz;Duty Cycle: 1:4
Medium: M850 Medium parameters used: f = 848.8 MHz; σ = 0.97 mho/m; ε_r = 55.9; 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)Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn413; Calibrated: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Front position - High/Area Scan (51x81x1):
Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.325 mW/g

Front position - High/Zoom Scan (7x7x7) (7x7x7)/Cube 0:
Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 18.5 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.386 W/kg
SAR(1 g) = 0.298 mW/g; SAR(10 g) = 0.217 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 : 15 mm
ambient temperature: 22.5°C; liquid temperature: 20.8°C

Date/Time: 2008-09-19 16:18:52Date/Time: 2008-09-19 16:24:45

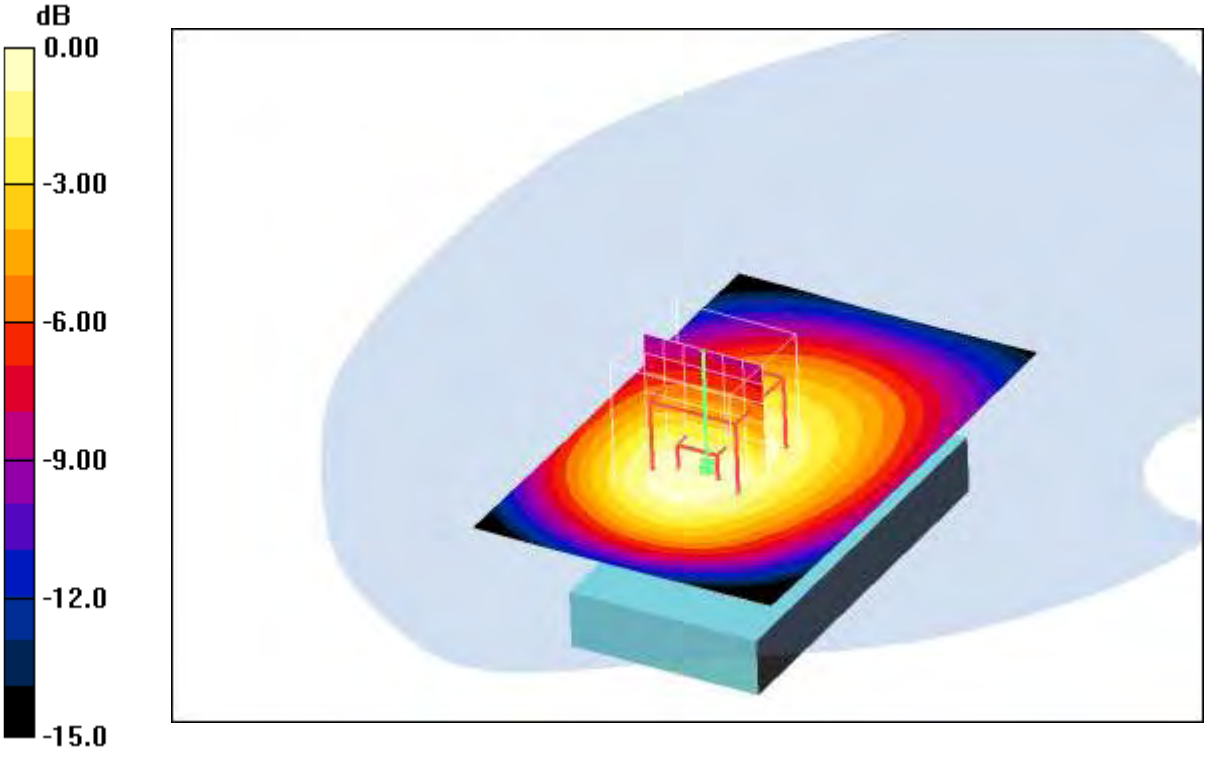
P1528_OET65-Body-GSM850 GPRS class 10

DUT: Sony Ericsson; Type: AAD-3252081-BV; Serial: CB5112VESN

Communication System: PCS 850 GPRS class 10; Frequency: 824.2 MHz;Duty Cycle: 1:4
Medium: M850 Medium parameters used: f = 824.2 MHz; σ = 0.97 mho/m; ε_r = 55.9; 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: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Rear position - Low/Area Scan (51x81x1):
Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.470 mW/g

Rear position - Low/Zoom Scan (7x7x7) (7x7x7)/Cube 0:
Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 22.5 V/m; Power Drift = 0.054 dB
Peak SAR (extrapolated) = 0.610 W/kg
SAR(1 g) = 0.430 mW/g; SAR(10 g) = 0.295 mW/g
Maximum value of SAR (measured) = 0.465 mW/g



0 dB = 0.465mW/g

Additional information:
position or distance of DUT to SAM : 15 mm
ambient temperature: 22.5°C; liquid temperature: 20.8°C

Date/Time: 2008-09-19 15:57:48Date/Time: 2008-09-19 16:03:42

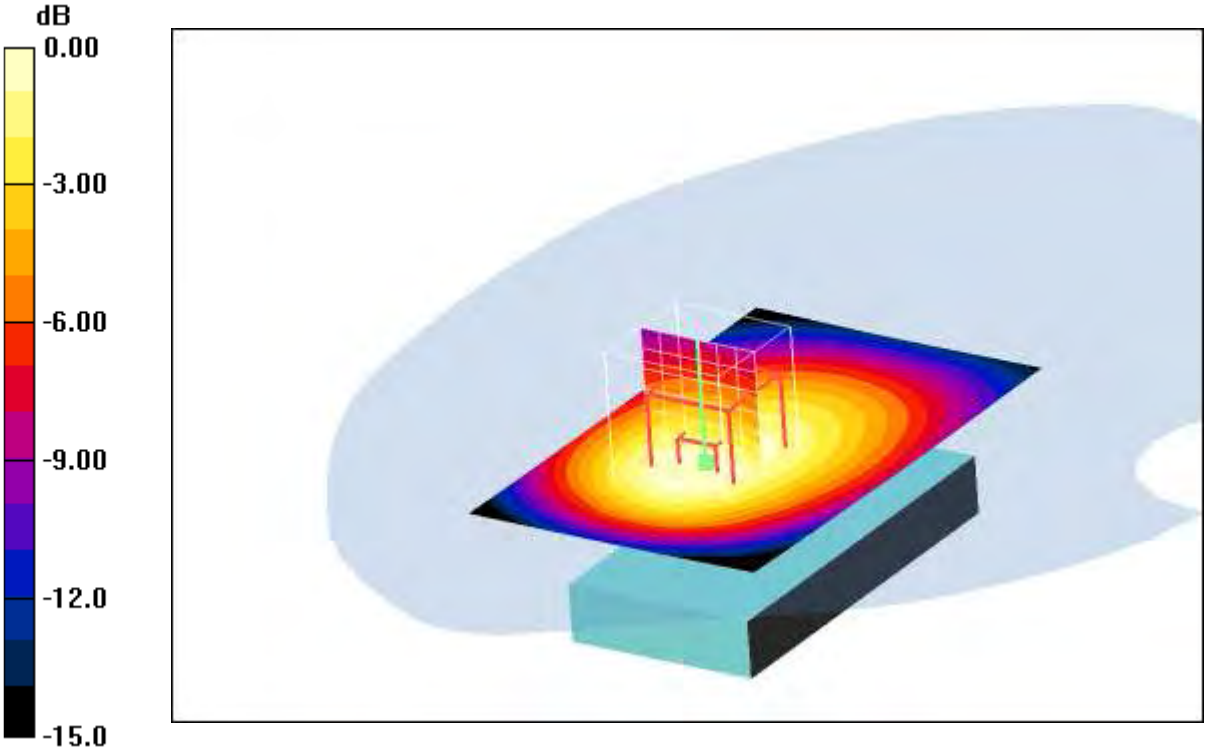
P1528_OET65-Body-GSM850 GPRS class 10

DUT: Sony Ericsson; Type: AAD-3252081-BV; Serial: CB5112VESN

Communication System: PCS 850 GPRS class 10; Frequency: 836.6 MHz;Duty Cycle: 1:4
Medium: M850 Medium parameters used: f = 836.6 MHz; σ = 0.97 mho/m; ε_r = 55.9; 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: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Rear position - Middle/Area Scan (51x81x1):
Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.651 mW/g

Rear position - Middle/Zoom Scan (7x7x7) (7x7x7)/Cube 0:
Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 26.6 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 0.843 W/kg
SAR(1 g) = 0.604 mW/g; SAR(10 g) = 0.415 mW/g
Maximum value of SAR (measured) = 0.648 mW/g



0 dB = 0.648mW/g

Additional information:
position or distance of DUT to SAM : 15 mm
ambient temperature: 22.5°C; liquid temperature: 20.8°C

Date/Time: 2008-09-19 15:35:53Date/Time: 2008-09-19 15:42:00

P1528_OET65-Body-GSM850 GPRS class 10

DUT: Sony Ericsson; Type: AAD-3252081-BV; Serial: CB5112VESN

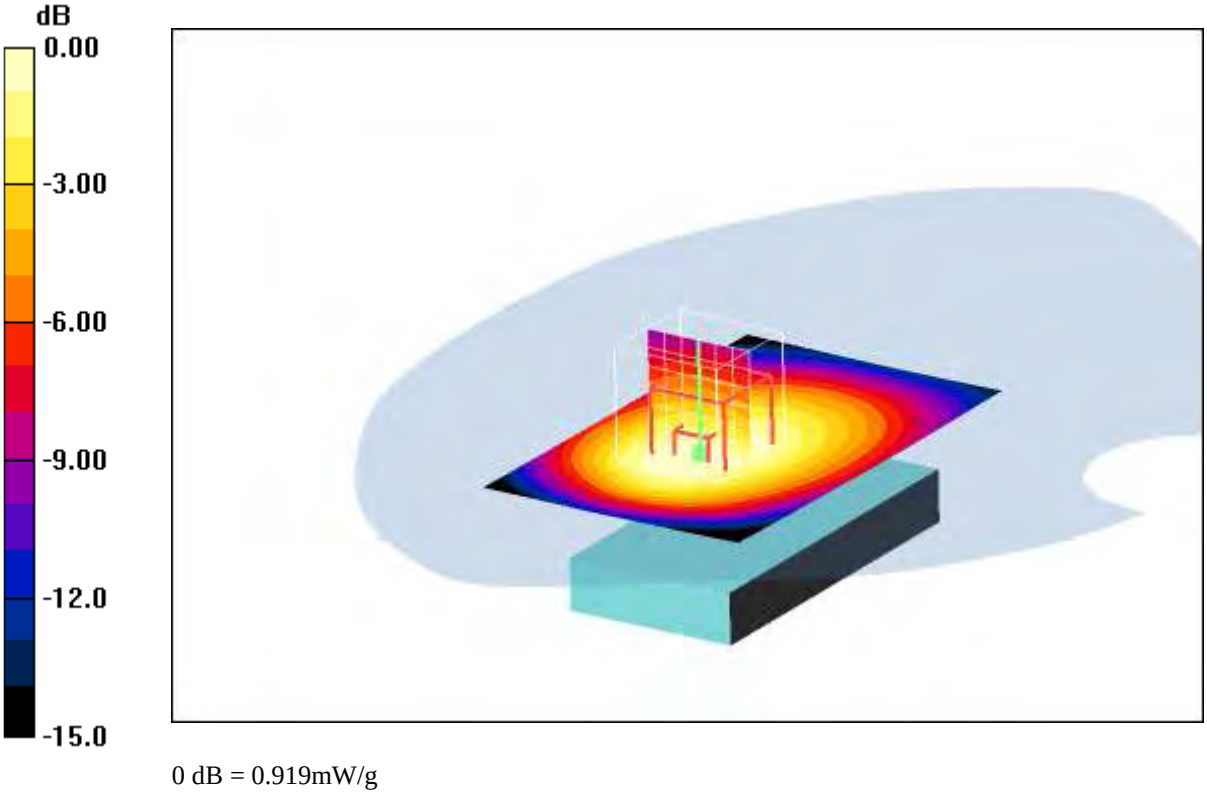
Communication System: PCS 850 GPRS class 10; Frequency: 848.8 MHz;Duty Cycle: 1:4
Medium: M850 Medium parameters used: f = 848.8 MHz; σ = 0.97 mho/m; ε_r = 55.9; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1558; ConvF(5.96, 5.96, 5.96); Calibrated: 2008-08-15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn413; Calibrated: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Rear position - High/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.953 mW/g

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

Reference Value = 32.2 V/m; Power Drift = -0.054 dB
Peak SAR (extrapolated) = 1.18 W/kg
SAR(1 g) = 0.857 mW/g; SAR(10 g) = 0.591 mW/g
Maximum value of SAR (measured) = 0.919 mW/g



0 dB = 0.919mW/g

Additional information:
position or distance of DUT to SAM : 15 mm
ambient temperature: 22.5°C; liquid temperature: 20.8°C

Date/Time: 2008-09-19 16:59:22Date/Time: 2008-09-19 17:05:09

P1528_OET65-Body-GSM850 EGPRS class 10

DUT: Sony Ericsson; Type: AAD-3252081-BV; Serial: CB5112VESN

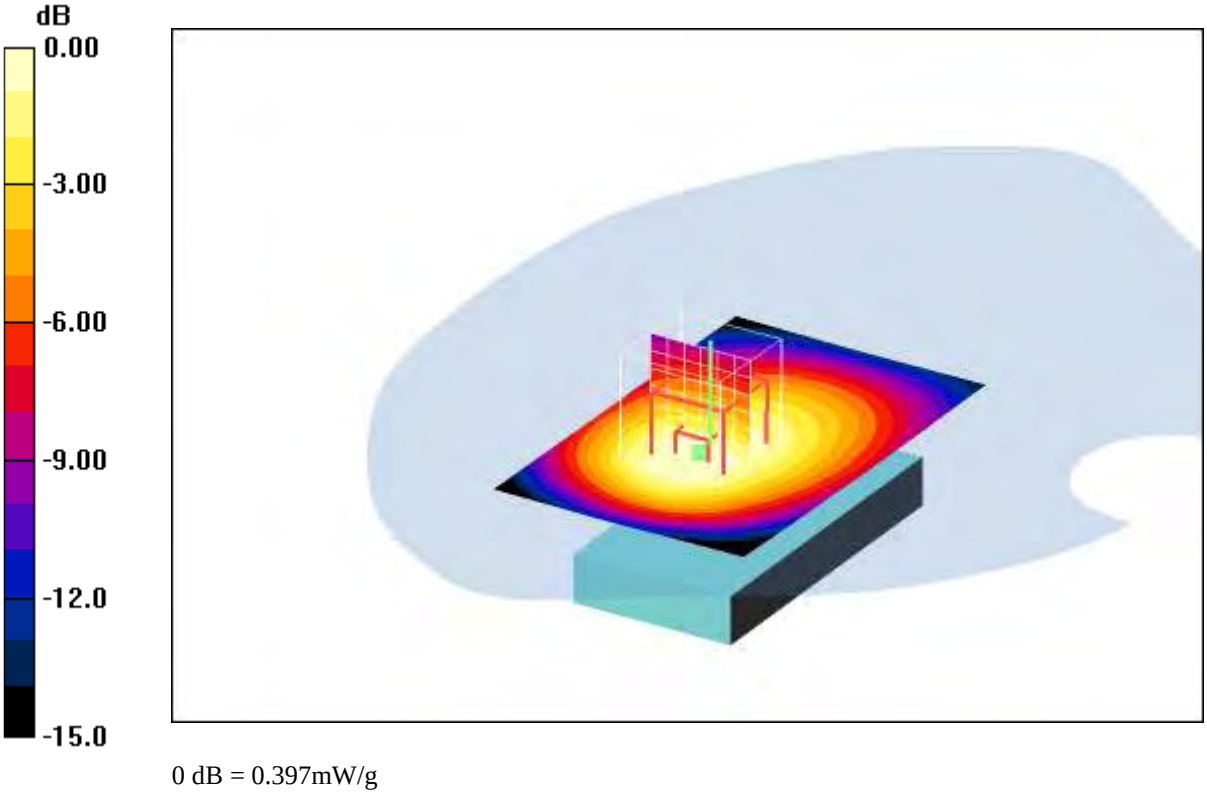
Communication System: PCS 850 EGPRS class 10; Frequency: 848.8 MHz;Duty Cycle: 1:4
Medium: M850 Medium parameters used: f = 848.8 MHz; σ = 0.97 mho/m; ε_r = 55.9; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1558; ConvF(5.96, 5.96, 5.96); Calibrated: 2008-08-15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn413; Calibrated: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Rear position - High/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.403 mW/g

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

Reference Value = 21.1 V/m; Power Drift = -0.050 dB
Peak SAR (extrapolated) = 0.525 W/kg
SAR(1 g) = 0.372 mW/g; SAR(10 g) = 0.256 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: 22.4°C; liquid temperature: 20.8°C

Date/Time: 2008-09-19 16:39:35Date/Time: 2008-09-19 16:45:22

P1528_OET65-Body-GSM850 GPRS with 1TS

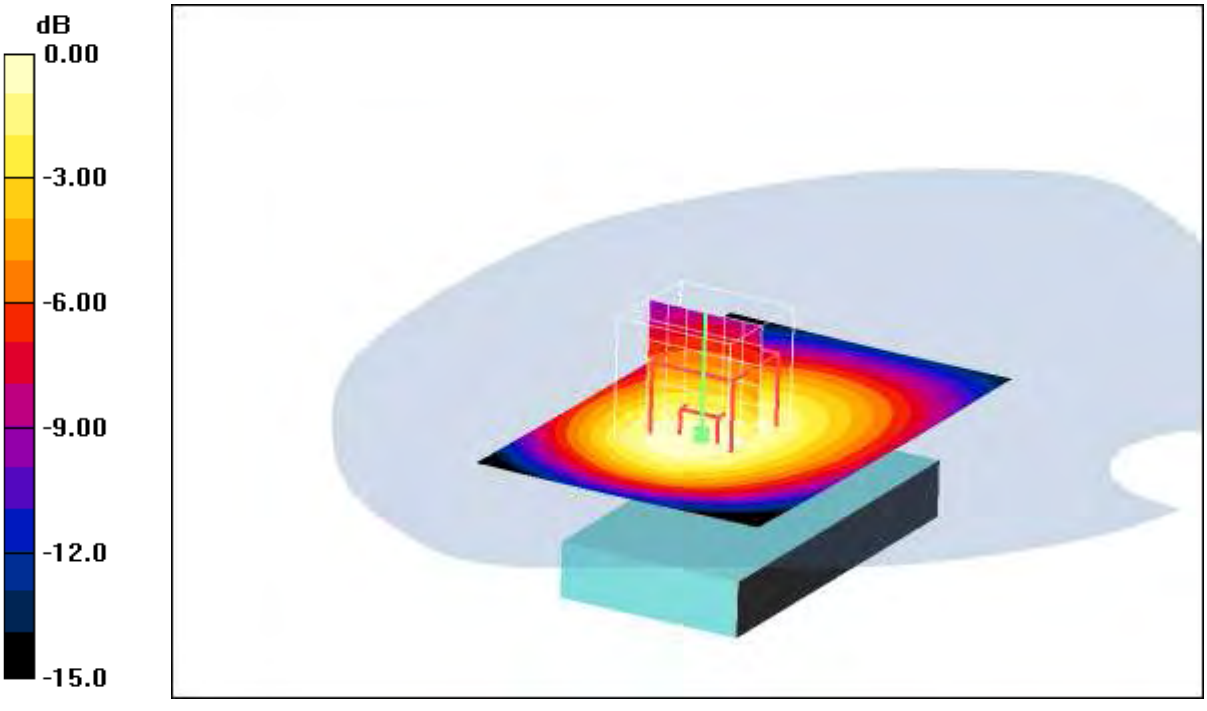
DUT: Sony Ericsson; Type: AAD-3252081-BV; Serial: CB5112VESN
Communication System: PCS 850; Frequency: 848.8 MHz;Duty Cycle: 1:8
Medium: M850 Medium parameters used: f = 848.8 MHz; σ = 0.97 mho/m; ε_r = 55.9; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1558; ConvF(5.96, 5.96, 5.96); Calibrated: 2008-08-15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn413; Calibrated: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Rear position - High/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.745 mW/g

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

Reference Value = 28.2 V/m; Power Drift = 0.053 dB
Peak SAR (extrapolated) = 0.958 W/kg
SAR(1 g) = 0.687 mW/g; SAR(10 g) = 0.472 mW/g
Maximum value of SAR (measured) = 0.738 mW/g



0 dB = 0.738mW/g

Additional information:
position or distance of DUT to SAM : 15 mm
ambient temperature: 22.4°C; liquid temperature: 20.8°C

Annex 2.3 PCS 1900 MHz head

Date/Time: 2008-09-21 20:13:13Date/Time: 2008-09-21 20:18:50

P1528_OET65-LeftHandSide-GSM1900

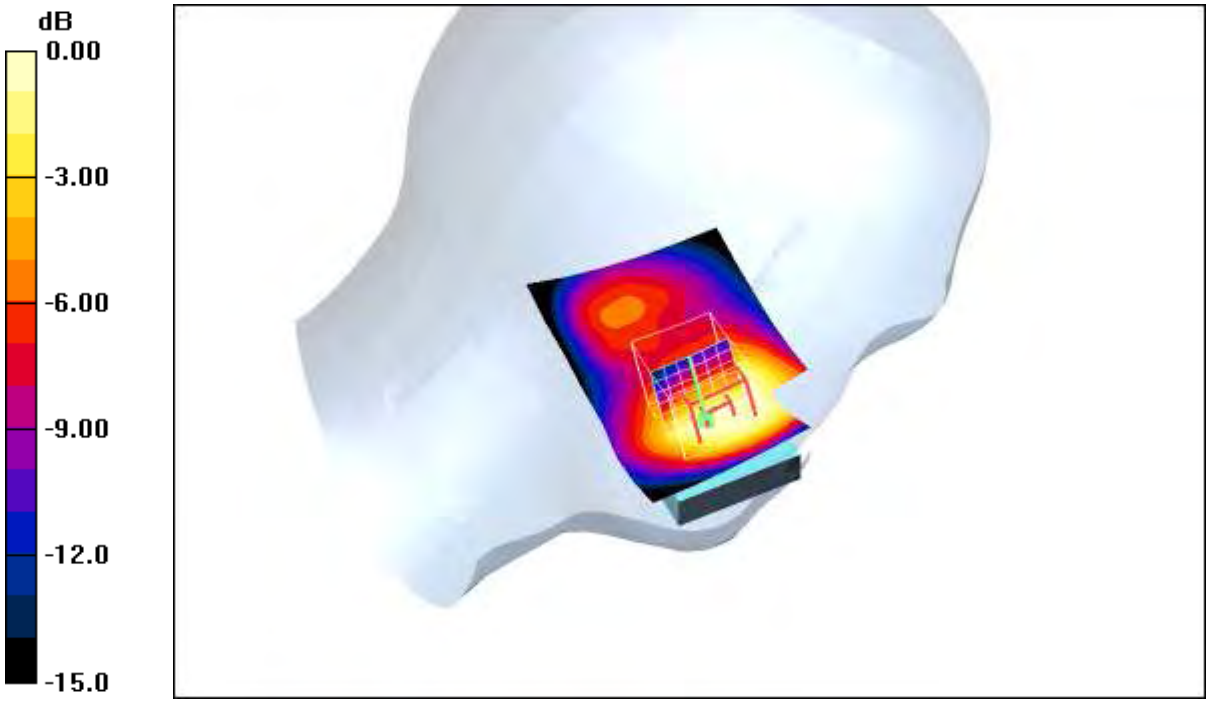
DUT: Sony Ericsson; Type: AAD-3252081-BV; Serial: CB5112VESN
Communication System: PCS 1900; Frequency: 1850.2 MHz; Duty Cycle: 1:8
Medium: HSL1900 Medium parameters used: f = 1850.2 MHz; σ = 1.41 mho/m; ε_r = 39.7; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1558; ConvF(4.96, 4.96, 4.96); Calibrated: 2008-08-15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn413; Calibrated: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

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

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

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

Reference Value = 19.7 V/m; Power Drift = 0.034 dB
Peak SAR (extrapolated) = 0.732 W/kg
SAR(1 g) = 0.492 mW/g; SAR(10 g) = 0.309 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: 22.5°C; liquid temperature: 21.1°C

Date/Time: 2008-09-21 20:35:37Date/Time: 2008-09-21 20:42:00

P1528_OET65-LeftHandSide-GSM1900

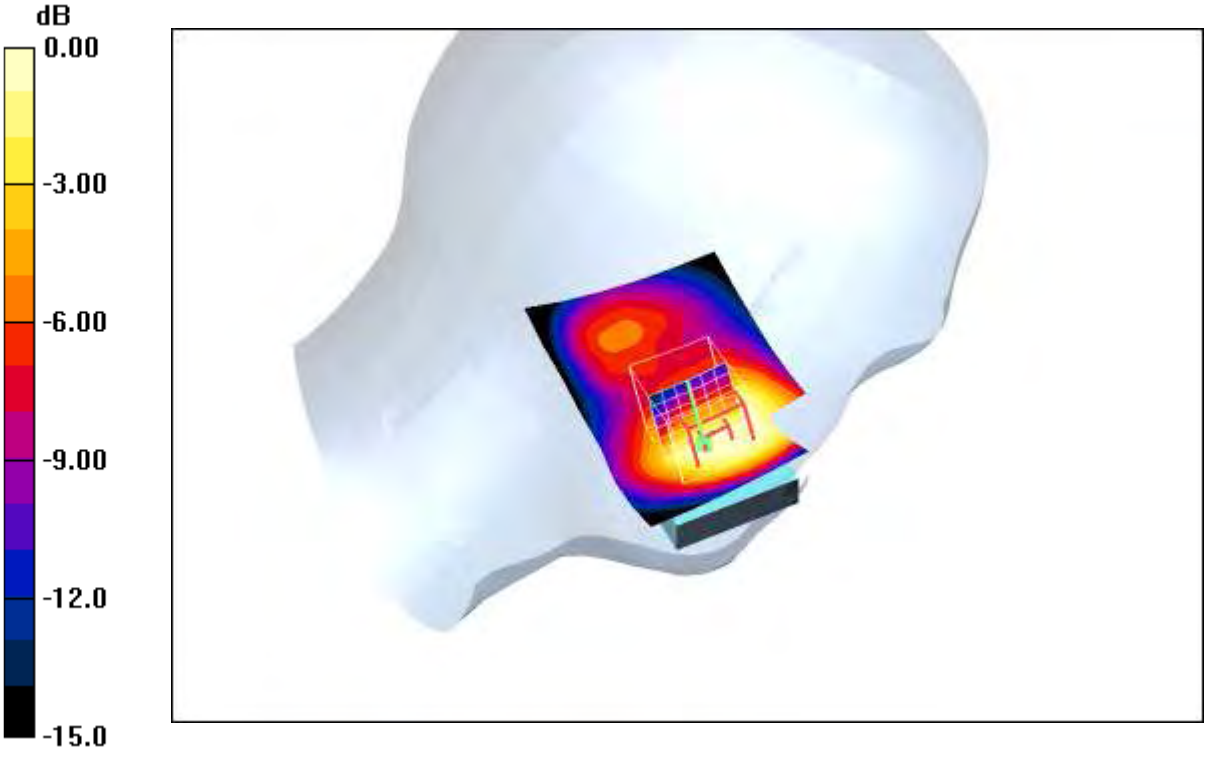
DUT: Sony Ericsson; Type: AAD-3252081-BV; Serial: CB5112VESN
Communication System: PCS 1900; Frequency: 1880 MHz; Duty Cycle: 1:8
Medium: HSL1900 Medium parameters used: f = 1880 MHz; σ = 1.41 mho/m; ε_r = 39.7; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1558; ConvF(4.96, 4.96, 4.96); Calibrated: 2008-08-15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn413; Calibrated: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

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

Maximum value of SAR (interpolated) = 0.708 mW/g

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

Reference Value = 22.5 V/m; Power Drift = 0.011 dB
Peak SAR (extrapolated) = 0.956 W/kg
SAR(1 g) = 0.640 mW/g; SAR(10 g) = 0.399 mW/g
Maximum value of SAR (measured) = 0.696 mW/g



0 dB = 0.696mW/g

Additional information:
position or distance of DUT to SAM (if not standard head positions) :
ambient temperature: 22.5°C; liquid temperature: 21.1°C

Date/Time: 2008-09-21 20:58:56Date/Time: 2008-09-21 21:05:02

P1528_OET65-LeftHandSide-GSM1900

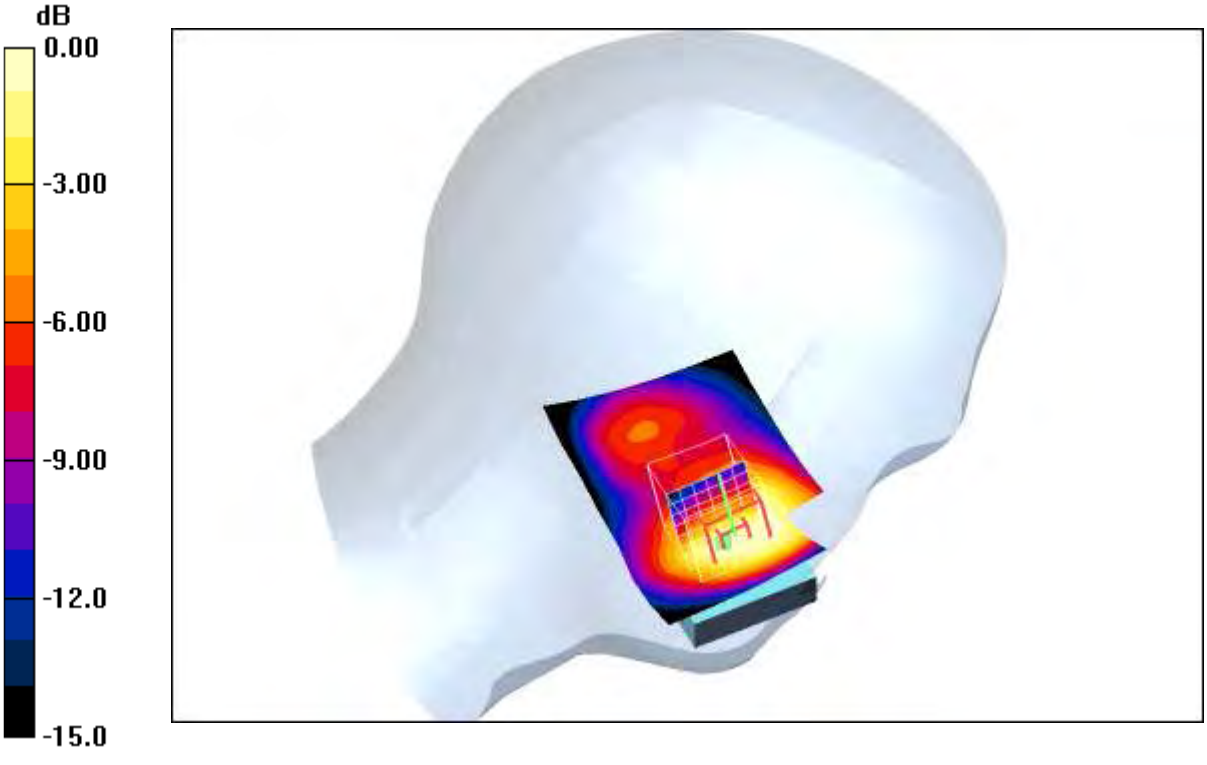
DUT: Sony Ericsson; Type: AAD-3252081-BV; Serial: CB5112VESN
Communication System: PCS 1900; Frequency: 1909.8 MHz; Duty Cycle: 1:8
Medium: HSL1900 Medium parameters used: f = 1909.8 MHz; σ = 1.41 mho/m; ε_r = 39.7; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1558; ConvF(4.96, 4.96, 4.96); Calibrated: 2008-08-15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn413; Calibrated: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

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

Maximum value of SAR (interpolated) = 0.897 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 = -0.010 dB
Peak SAR (extrapolated) = 1.23 W/kg
SAR(1 g) = 0.814 mW/g; SAR(10 g) = 0.502 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: 22.5°C; liquid temperature: 21.1°C

Date/Time: 2008-09-21 19:05:12Date/Time: 2008-09-21 19:11:23

P1528_OET65-LeftHandSide-GSM1900

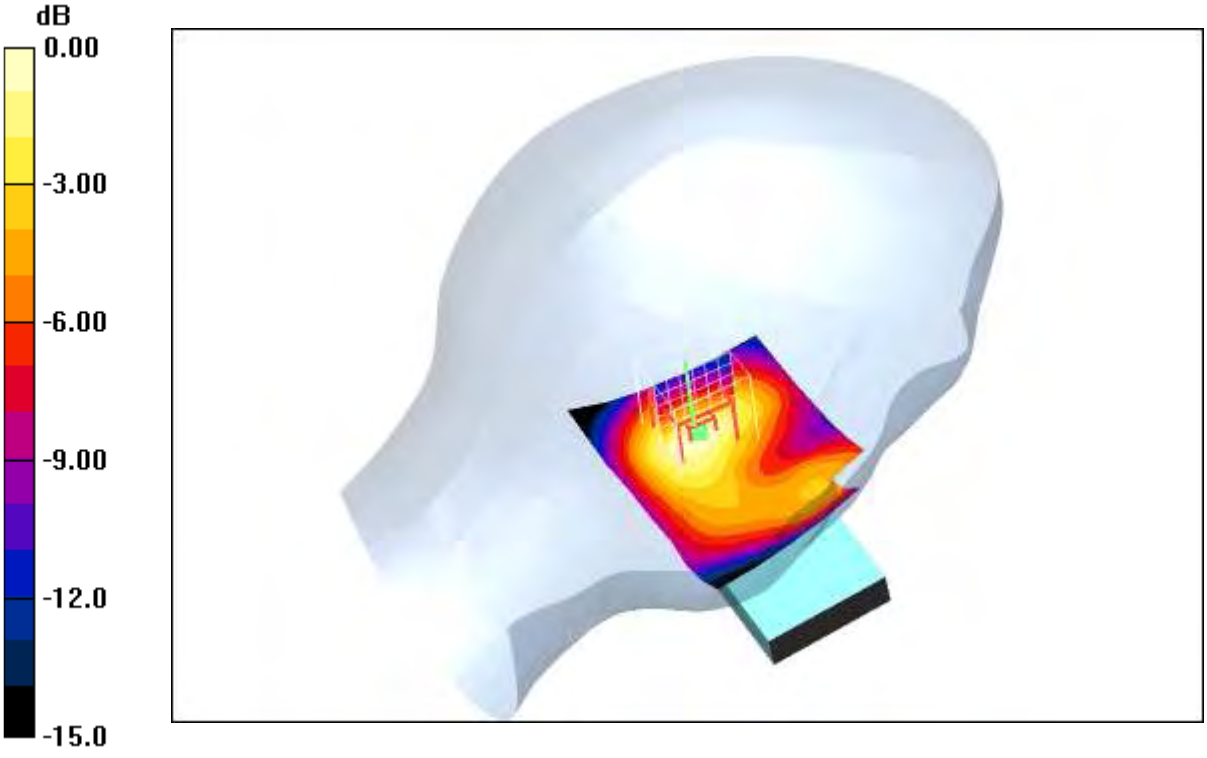
DUT: Sony Ericsson; Type: AAD-3252081-BV; Serial: CB5112VESN
Communication System: PCS 1900; Frequency: 1850.2 MHz; Duty Cycle: 1:8
Medium: HSL1900 Medium parameters used: f = 1850.2 MHz; σ = 1.41 mho/m; ε_r = 39.7; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1558; ConvF(4.96, 4.96, 4.96); Calibrated: 2008-08-15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn413; Calibrated: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Tilt position - Low/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.174 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 = 0.120 dB
Peak SAR (extrapolated) = 0.276 W/kg
SAR(1 g) = 0.167 mW/g; SAR(10 g) = 0.100 mW/g
Maximum value of SAR (measured) = 0.181 mW/g



0 dB = 0.181mW/g

Additional information:
position or distance of DUT to SAM (if not standard head positions) :
ambient temperature: 22.5°C; liquid temperature: 21.1°C

Date/Time: 2008-09-21 19:26:22Date/Time: 2008-09-21 19:33:47

P1528_OET65-LeftHandSide-GSM1900

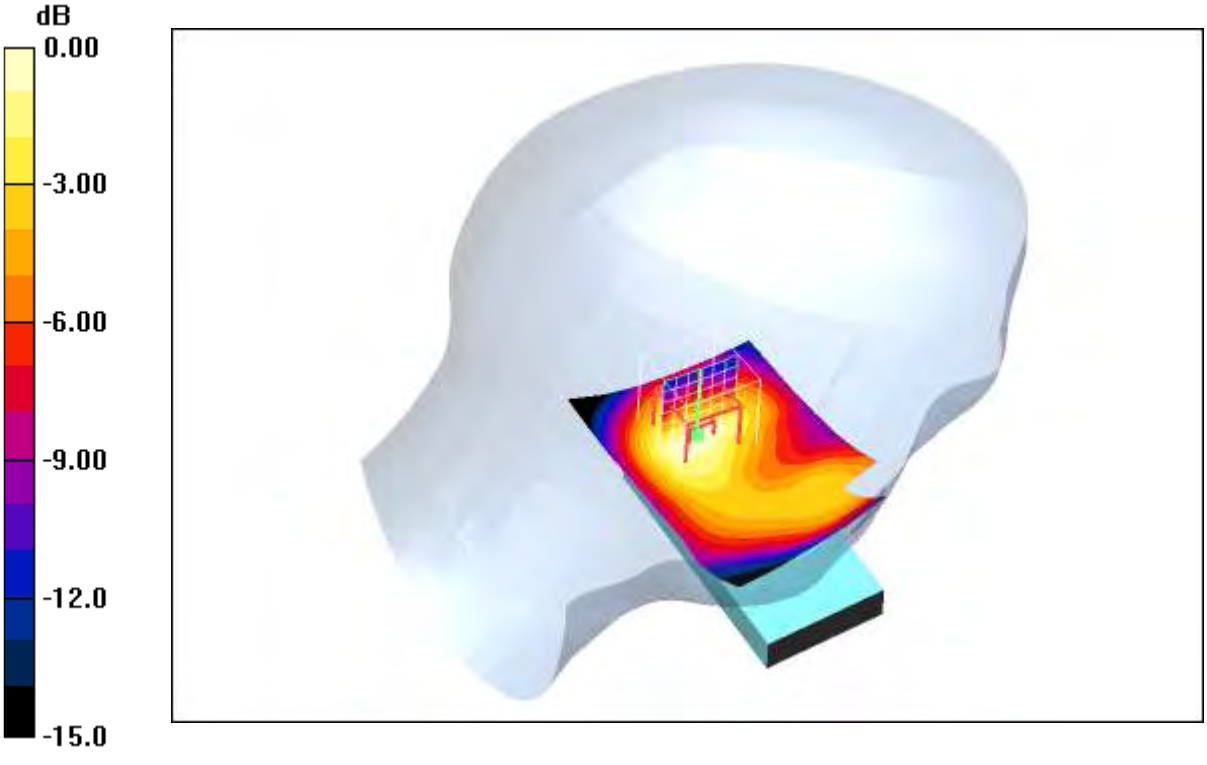
DUT: Sony Ericsson; Type: AAD-3252081-BV; Serial: CB5112VESN
Communication System: PCS 1900; Frequency: 1880 MHz; Duty Cycle: 1:8
Medium: HSL1900 Medium parameters used: f = 1880 MHz; σ = 1.41 mho/m; ε_r = 39.7; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1558; ConvF(4.96, 4.96, 4.96); Calibrated: 2008-08-15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn413; Calibrated: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Tilt position - Middle/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.211 mW/g

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

Reference Value = 12.4 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 0.312 W/kg
SAR(1 g) = 0.193 mW/g; SAR(10 g) = 0.116 mW/g
Maximum value of SAR (measured) = 0.209 mW/g



0 dB = 0.209mW/g

Additional information:
position or distance of DUT to SAM (if not standard head positions) :
ambient temperature: 22.5°C; liquid temperature: 21.1°C

Date/Time: 2008-09-21 19:48:34Date/Time: 2008-09-21 19:54:50

P1528_OET65-LeftHandSide-GSM1900

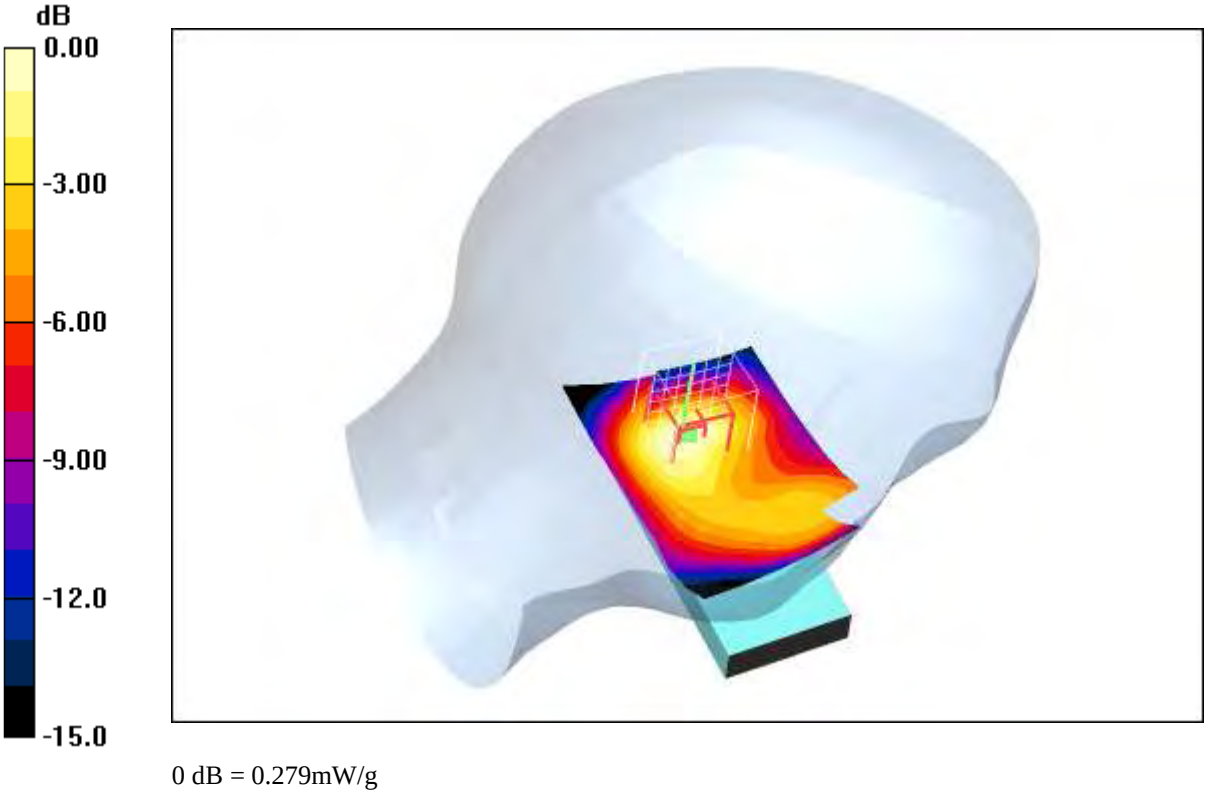
DUT: Sony Ericsson; Type: AAD-3252081-BV; Serial: CB5112VESN
Communication System: PCS 1900; Frequency: 1909.8 MHz; Duty Cycle: 1:8
Medium: HSL1900 Medium parameters used: f = 1909.8 MHz; σ = 1.41 mho/m; ε_r = 39.7; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1558; ConvF(4.96, 4.96, 4.96); Calibrated: 2008-08-15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn413; Calibrated: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Tilt position - High/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.285 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 = 0.011 dB
Peak SAR (extrapolated) = 0.433 W/kg
SAR(1 g) = 0.259 mW/g; SAR(10 g) = 0.153 mW/g
Maximum value of SAR (measured) = 0.279 mW/g



0 dB = 0.279mW/g

Additional information:
position or distance of DUT to SAM (if not standard head positions) :
ambient temperature: 22.5°C; liquid temperature: 21.1°C

Date/Time: 2008-09-21 16:50:36Date/Time: 2008-09-21 16:56:22

P1528_OET65-LeftHandSide-GSM1900-open

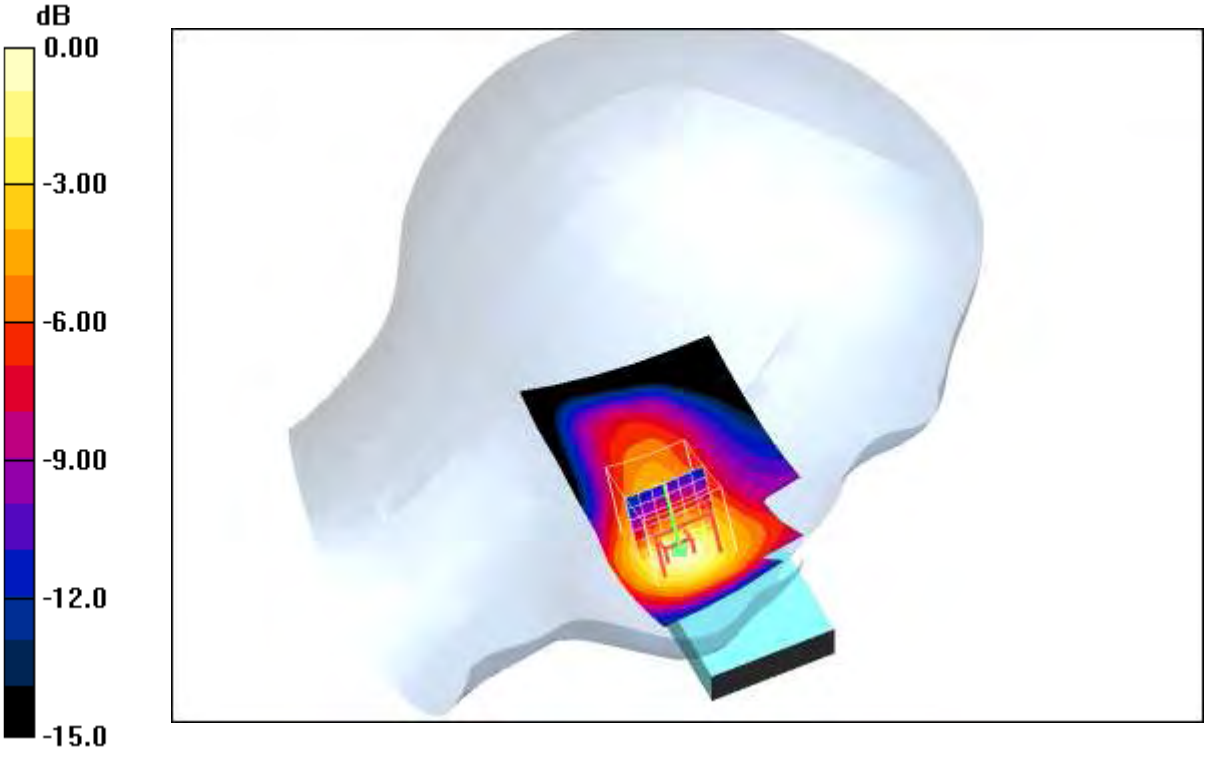
DUT: Sony Ericsson; Type: AAD-3252081-BV; Serial: CB5112VESN
Communication System: PCS 1900; Frequency: 1850.2 MHz; Duty Cycle: 1:8
Medium: HSL1900 Medium parameters used: f = 1850.2 MHz; σ = 1.41 mho/m; ε_r = 39.7; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1558; ConvF(4.96, 4.96, 4.96); Calibrated: 2008-08-15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn413; Calibrated: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Touch position - Low/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

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

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

Reference Value = 20.2 V/m; Power Drift = 0.145 dB
Peak SAR (extrapolated) = 0.970 W/kg
SAR(1 g) = 0.572 mW/g; SAR(10 g) = 0.332 mW/g
Maximum value of SAR (measured) = 0.619 mW/g



0 dB = 0.619mW/g

Additional information:
position or distance of DUT to SAM (if not standard head positions) :
ambient temperature: 22.7°C; liquid temperature: 20.9°C

Date/Time: 2008-09-21 17:11:23Date/Time: 2008-09-21 17:17:25

P1528_OET65-LeftHandSide-GSM1900-open

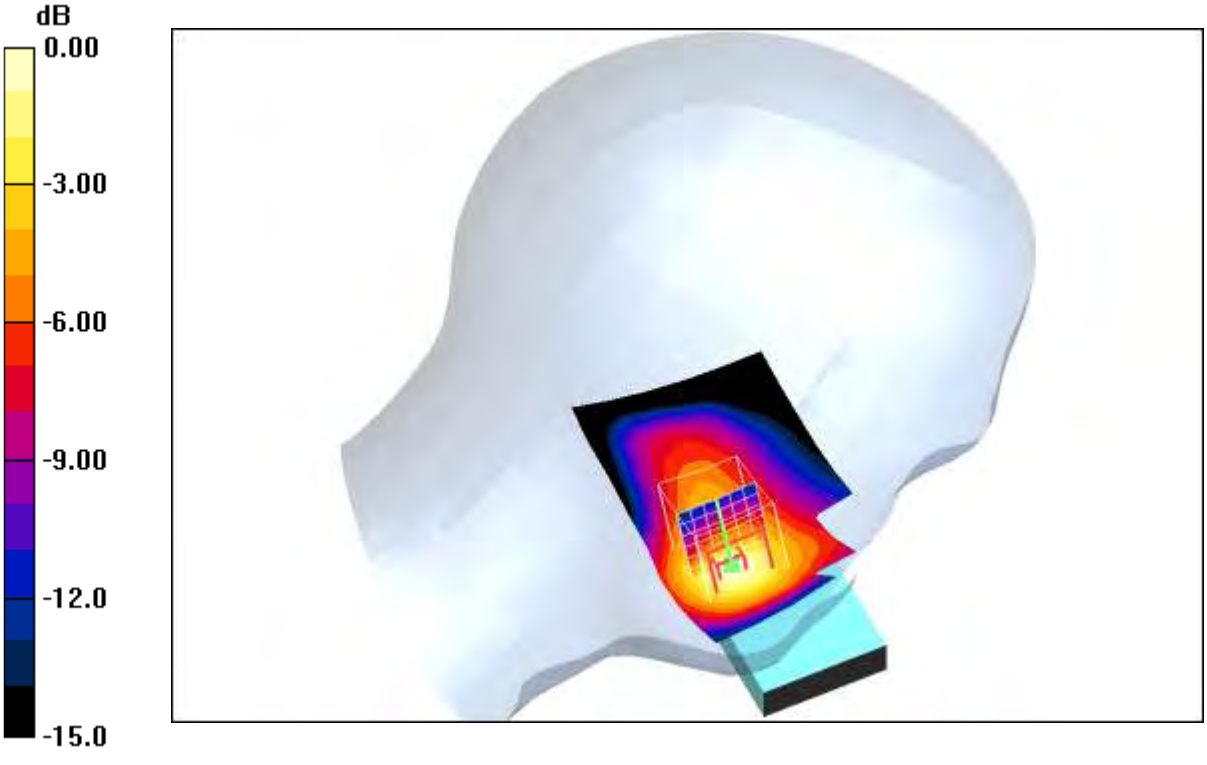
DUT: Sony Ericsson; Type: Type: AAD-3252081-BV; Serial: CB5112VESN
Communication System: PCS 1900; Frequency: 1880 MHz; Duty Cycle: 1:8
Medium: HSL1900 Medium parameters used: f = 1880 MHz; σ = 1.41 mho/m; ε_r = 39.7; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1558; ConvF(4.96, 4.96, 4.96); Calibrated: 2008-08-15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn413; Calibrated: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Touch position - Middle/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

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

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

Reference Value = 21.9 V/m; Power Drift = 0.017 dB
Peak SAR (extrapolated) = 1.13 W/kg
SAR(1 g) = 0.654 mW/g; SAR(10 g) = 0.375 mW/g
Maximum value of SAR (measured) = 0.708 mW/g



0 dB = 0.708mW/g

Additional information:
position or distance of DUT to SAM (if not standard head positions) :
ambient temperature: 22.7°C; liquid temperature: 20.9°C

Date/Time: 2008-09-21 17:34:13Date/Time: 2008-09-21 17:40:14

P1528_OET65-LeftHandSide-GSM1900-open

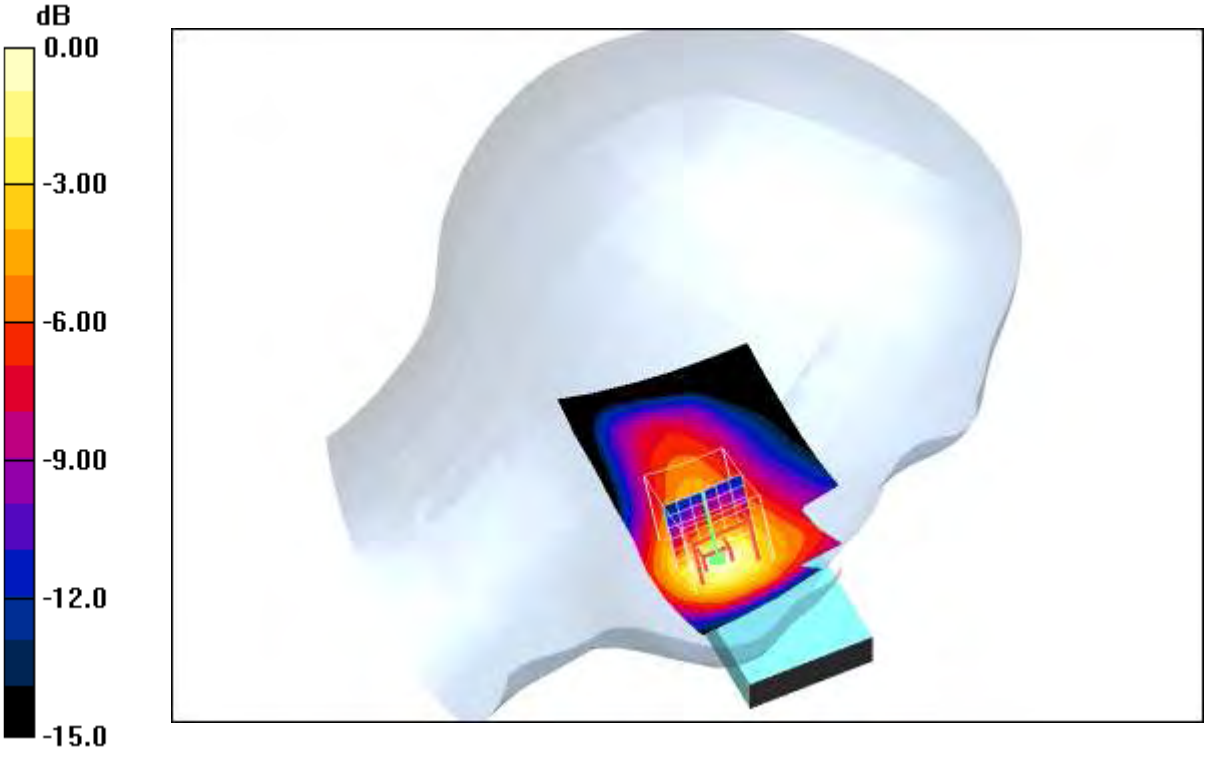
DUT: Sony Ericsson; Type: AAD-3252081-BV; Serial: CB5112VESN
Communication System: PCS 1900; Frequency: 1909.8 MHz; Duty Cycle: 1:8
Medium: HSL1900 Medium parameters used: f = 1909.8 MHz; σ = 1.41 mho/m; ε_r = 39.7; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1558; ConvF(4.96, 4.96, 4.96); Calibrated: 2008-08-15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn413; Calibrated: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Touch position - High/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.770 mW/g

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

Reference Value = 23.4 V/m; Power Drift = 0.041 dB
Peak SAR (extrapolated) = 1.31 W/kg
SAR(1 g) = 0.755 mW/g; SAR(10 g) = 0.428 mW/g
Maximum value of SAR (measured) = 0.817 mW/g



0 dB = 0.817mW/g

Additional information:
position or distance of DUT to SAM (if not standard head positions) :
ambient temperature: 22.7°C; liquid temperature: 20.9°C

Date/Time: 2008-09-21 18:40:30Date/Time: 2008-09-21 18:47:39

P1528_OET65-LeftHandSide-GSM1900-open

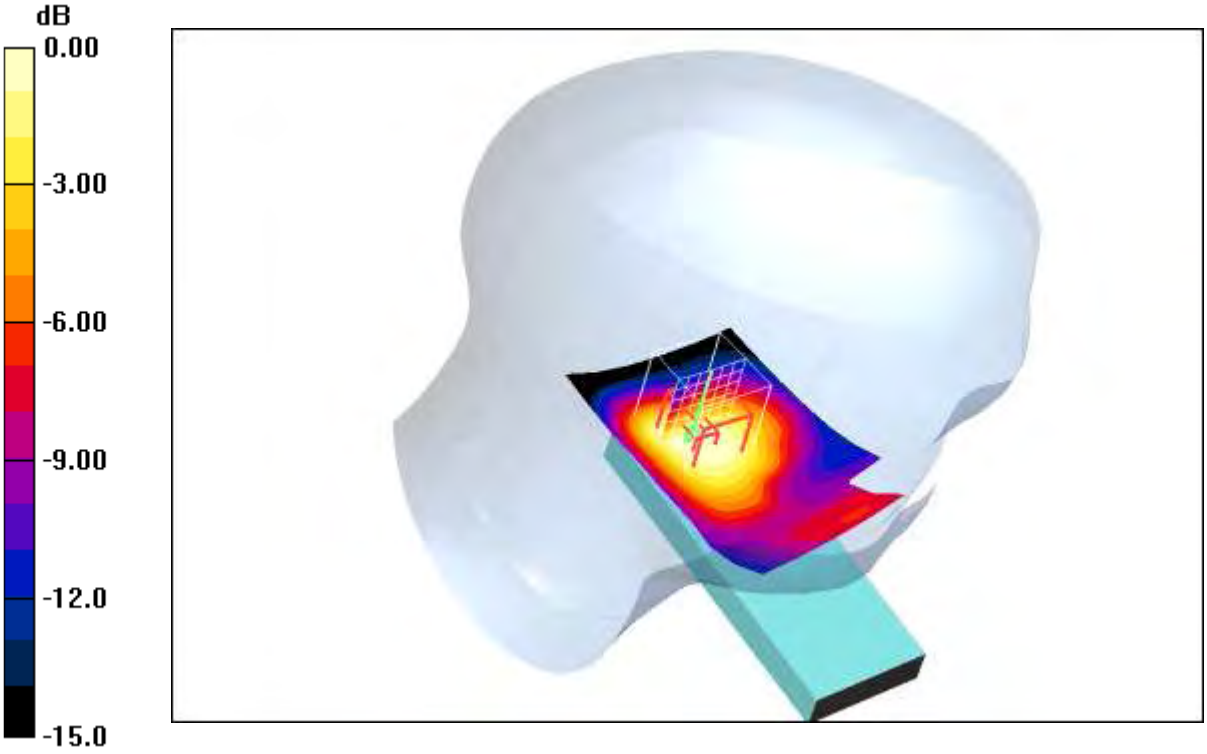
DUT: Sony Ericsson; Type: Type: AAD-3252081-BV; Serial: CB5112VESN
Communication System: PCS 1900; Frequency: 1850.2 MHz; Duty Cycle: 1:8
Medium: HSL1900 Medium parameters used: f = 1850.2 MHz; σ = 1.41 mho/m; ε_r = 39.7; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1558; ConvF(4.96, 4.96, 4.96); Calibrated: 2008-08-15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn413; Calibrated: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Tilt position - Low/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

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

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

Reference Value = 15.1 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.439 W/kg
SAR(1 g) = 0.285 mW/g; SAR(10 g) = 0.175 mW/g
Maximum value of SAR (measured) = 0.306 mW/g



0 dB = 0.306mW/g

Additional information:
position or distance of DUT to SAM (if not standard head positions) :
ambient temperature: 22.7°C; liquid temperature: 20.9°C

Date/Time: 2008-09-21 18:18:42Date/Time: 2008-09-21 18:25:45

P1528_OET65-LeftHandSide-GSM1900-open

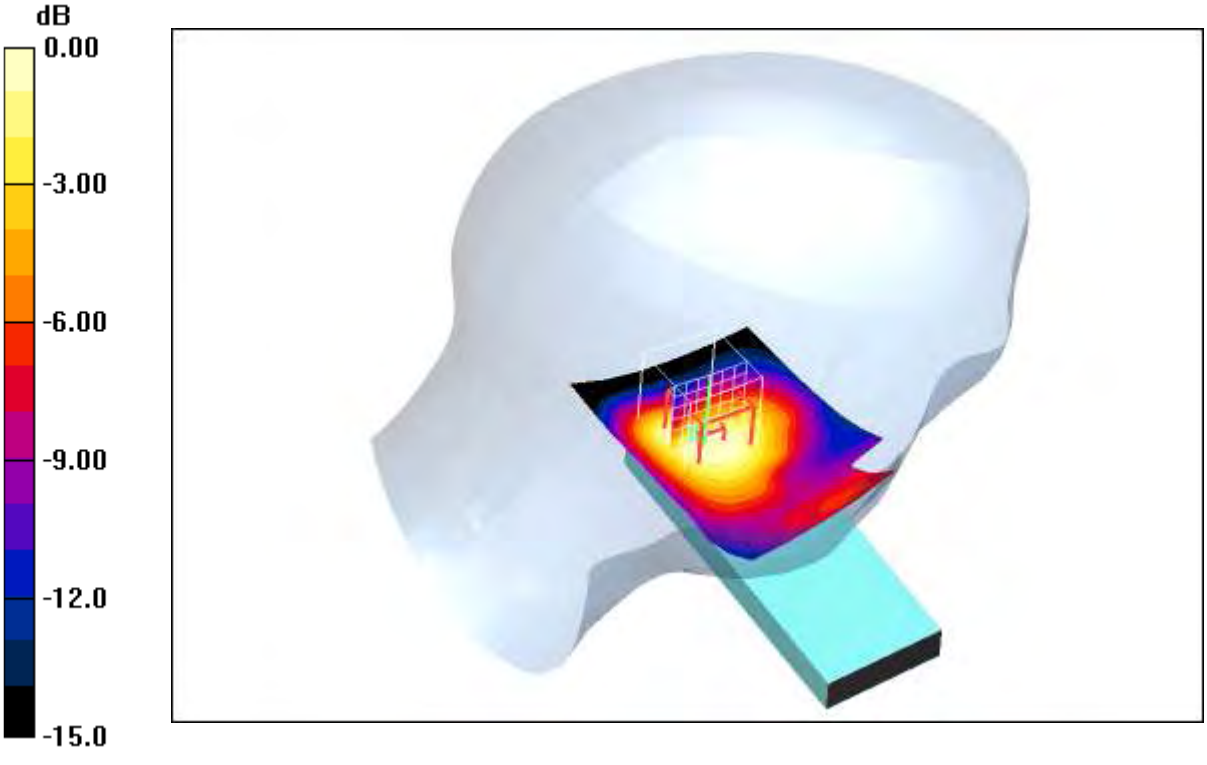
DUT: Sony Ericsson; Type: Type: AAD-3252081-BV; Serial: CB5112VESN
Communication System: PCS 1900; Frequency: 1880 MHz; Duty Cycle: 1:8
Medium: HSL1900 Medium parameters used: f = 1880 MHz; σ = 1.41 mho/m; ε_r = 39.7; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1558; ConvF(4.96, 4.96, 4.96); Calibrated: 2008-08-15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn413; Calibrated: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Tilt position - Middle/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.366 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 = -0.033 dB
Peak SAR (extrapolated) = 0.484 W/kg
SAR(1 g) = 0.310 mW/g; SAR(10 g) = 0.189 mW/g
Maximum value of SAR (measured) = 0.334 mW/g



0 dB = 0.334mW/g

Additional information:
position or distance of DUT to SAM (if not standard head positions) :
ambient temperature: 22.7°C; liquid temperature: 20.9°C

Date/Time: 2008-09-21 17:57:38Date/Time: 2008-09-21 18:03:48

P1528_OET65-LeftHandSide-GSM1900-open

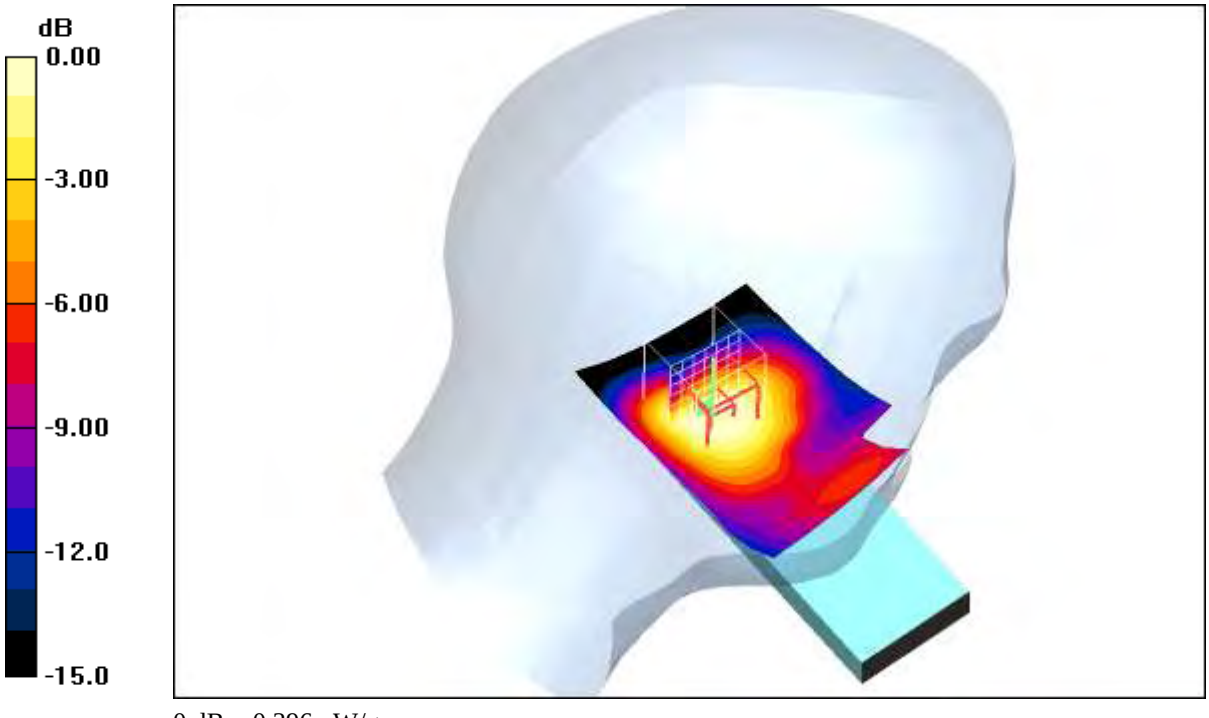
DUT: Sony Ericsson; Type: Type: AAD-3252081-BV; Serial: CB5112VESN
Communication System: PCS 1900; Frequency: 1909.8 MHz; Duty Cycle: 1:8
Medium: HSL1900 Medium parameters used: f = 1909.8 MHz; σ = 1.41 mho/m; ε_r = 39.7; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1558; ConvF(4.96, 4.96, 4.96); Calibrated: 2008-08-15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn413; Calibrated: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Tilt position - High/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.445 mW/g

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

Reference Value = 17.1 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.567 W/kg
SAR(1 g) = 0.365 mW/g; SAR(10 g) = 0.222 mW/g
Maximum value of SAR (measured) = 0.396 mW/g



0 dB = 0.396mW/g

Additional information:
position or distance of DUT to SAM (if not standard head positions) :
ambient temperature: 22.7°C; liquid temperature: 20.9°C

Date/Time: 2008-09-21 11:06:43Date/Time: 2008-09-21 11:11:55

P1528_OET65-RightHandSide-GSM1900

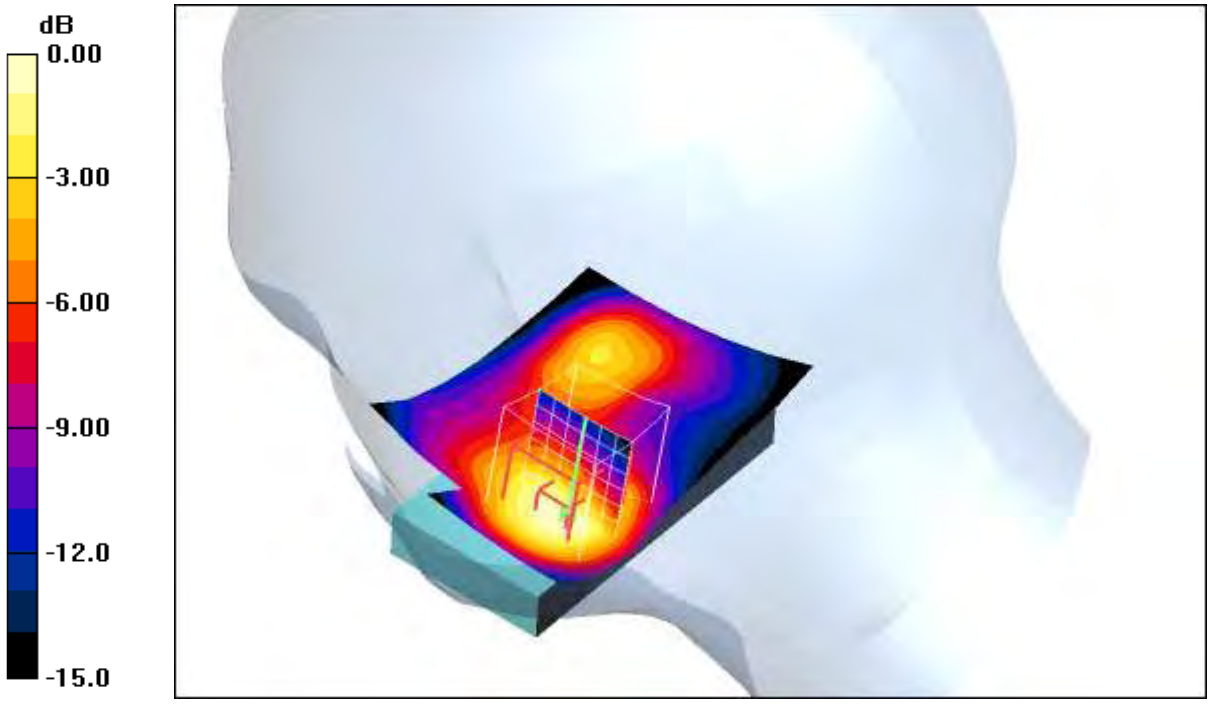
DUT: Sony Ericsson; Type: AAD-3252081-BV; Serial: CB5112VESN
Communication System: PCS 1900; Frequency: 1850.2 MHz;Duty Cycle: 1:8
Medium: HSL1900 Medium parameters used: f = 1850.2 MHz; σ = 1.41 mho/m; ε_r = 39.7; ρ = 1000 kg/m^3
Phantom section: Right Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1558; ConvF(4.96, 4.96, 4.96); Calibrated: 2008-08-15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn413; Calibrated: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

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

Maximum value of SAR (interpolated) = 0.710 mW/g

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

Reference Value = 22.0 V/m; Power Drift = -0.014 dB
Peak SAR (extrapolated) = 1.08 W/kg
SAR(1 g) = 0.631 mW/g; SAR(10 g) = 0.365 mW/g
Maximum value of SAR (measured) = 0.689 mW/g



0 dB = 0.689mW/g

Additional information:
position or distance of DUT to SAM (if not standard head positions) :
ambient temperature: 21.8°C; liquid temperature: 21.2°C

Date/Time: 2008-09-21 11:32:00Date/Time: 2008-09-21 11:37:15

P1528_OET65-RightHandSide-GSM1900

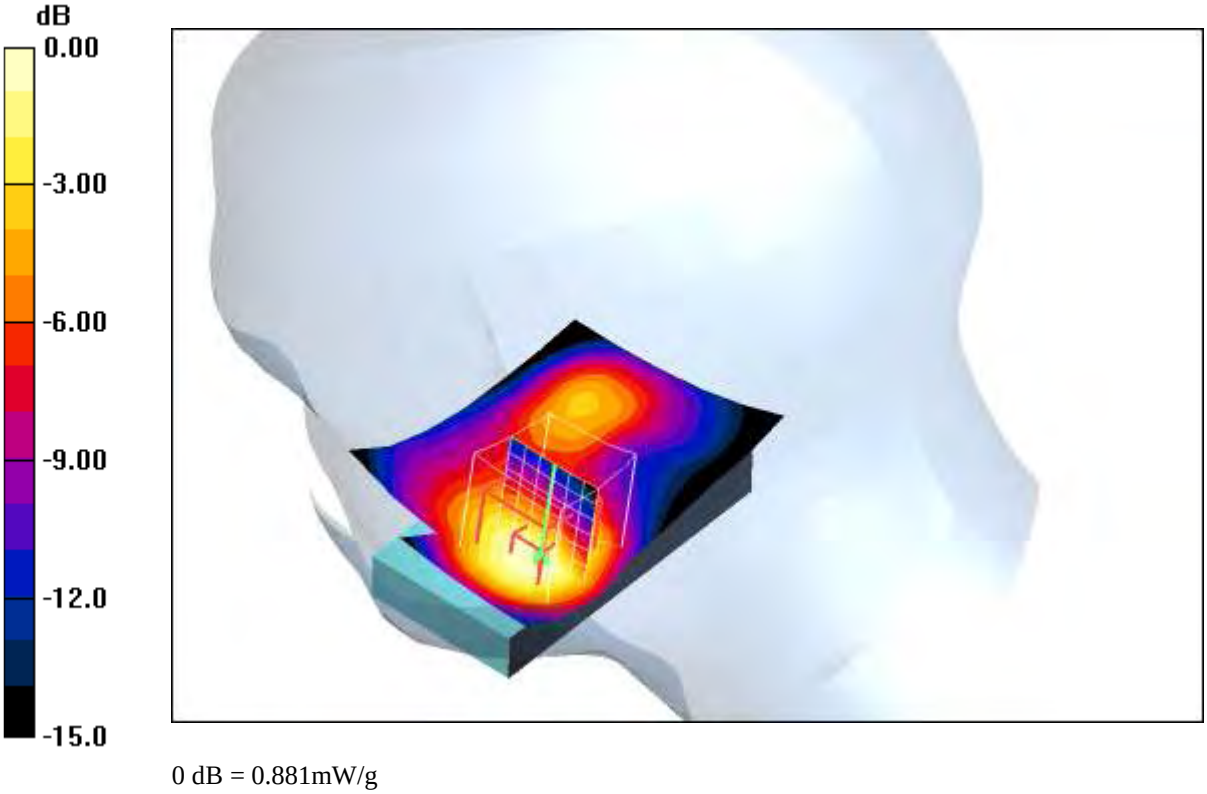
DUT: Sony Ericsson; Type: AAD-3252081-BV; Serial: CB5112VESN
Communication System: PCS 1900; Frequency: 1880 MHz;Duty Cycle: 1:8
Medium: HSL1900 Medium parameters used: f = 1880 MHz; σ = 1.41 mho/m; ε_r = 39.7; ρ = 1000 kg/m^3
Phantom section: Right Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1558; ConvF(4.96, 4.96, 4.96); Calibrated: 2008-08-15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn413; Calibrated: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

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

Maximum value of SAR (interpolated) = 0.927 mW/g

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

Reference Value = 24.6 V/m; Power Drift = -0.036 dB
Peak SAR (extrapolated) = 1.39 W/kg
SAR(1 g) = 0.798 mW/g; SAR(10 g) = 0.462 mW/g
Maximum value of SAR (measured) = 0.881 mW/g



0 dB = 0.881mW/g

Additional information:
position or distance of DUT to SAM (if not standard head positions) :
ambient temperature: 21.8°C; liquid temperature: 21.2°C

Date/Time: 2008-09-21 11:51:57Date/Time: 2008-09-21 11:57:14

P1528_OET65-RightHandSide-GSM1900

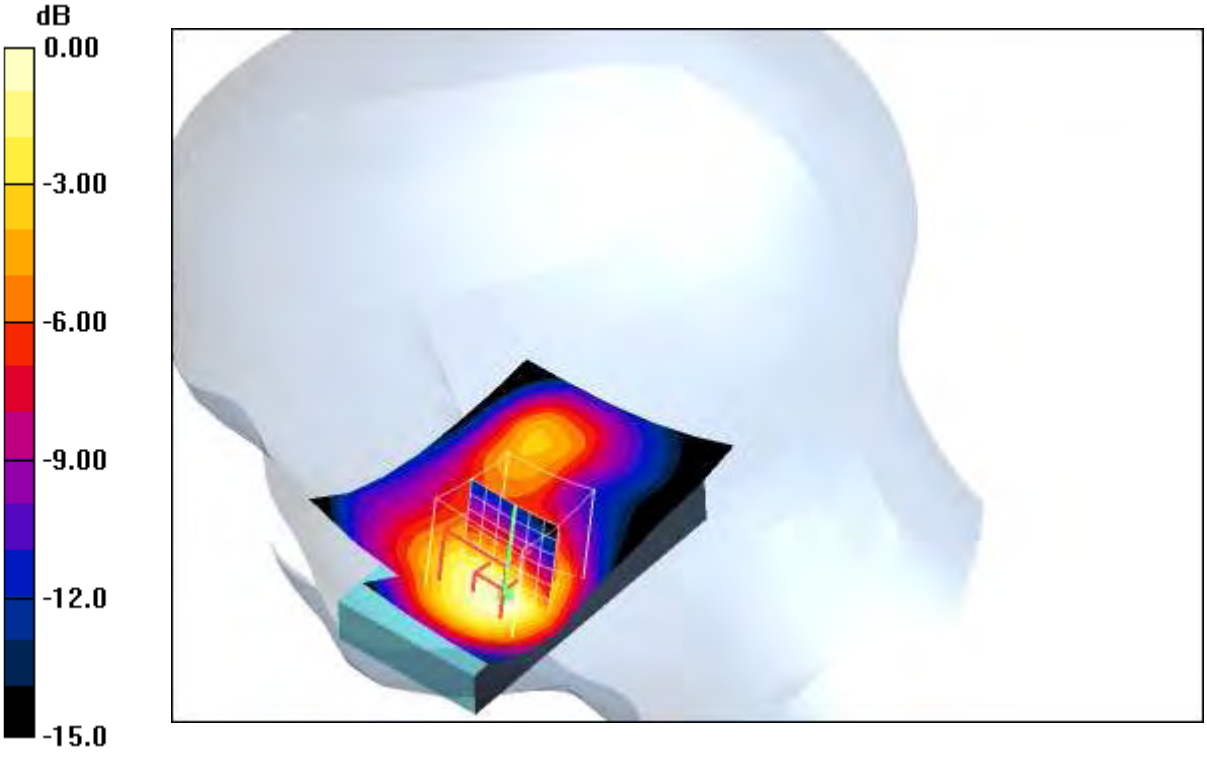
DUT: Sony Ericsson; Type: AAD-3252081-BV; Serial: CB5112VESN
Communication System: PCS 1900; Frequency: 1909.8 MHz;Duty Cycle: 1:8
Medium: HSL1900 Medium parameters used: f = 1909.8 MHz; σ = 1.41 mho/m; ε_r = 39.7; ρ = 1000 kg/m^3
Phantom section: Right Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1558; ConvF(4.96, 4.96, 4.96); Calibrated: 2008-08-15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn413; Calibrated: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

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

Maximum value of SAR (interpolated) = 1.19 mW/g

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

Reference Value = 28.0 V/m; Power Drift = 0.158 dB
Peak SAR (extrapolated) = 1.79 W/kg
SAR(1 g) = 1.03 mW/g; SAR(10 g) = 0.602 mW/g
Maximum value of SAR (measured) = 1.13 mW/g



0 dB = 1.13mW/g

Additional information:
position or distance of DUT to SAM (if not standard head positions) :
ambient temperature: 21.8°C; liquid temperature: 21.2°C

Date/Time: 2008-09-21 12:53:35Date/Time: 2008-09-21 12:59:58

P1528_OET65-RightHandSide-GSM1900

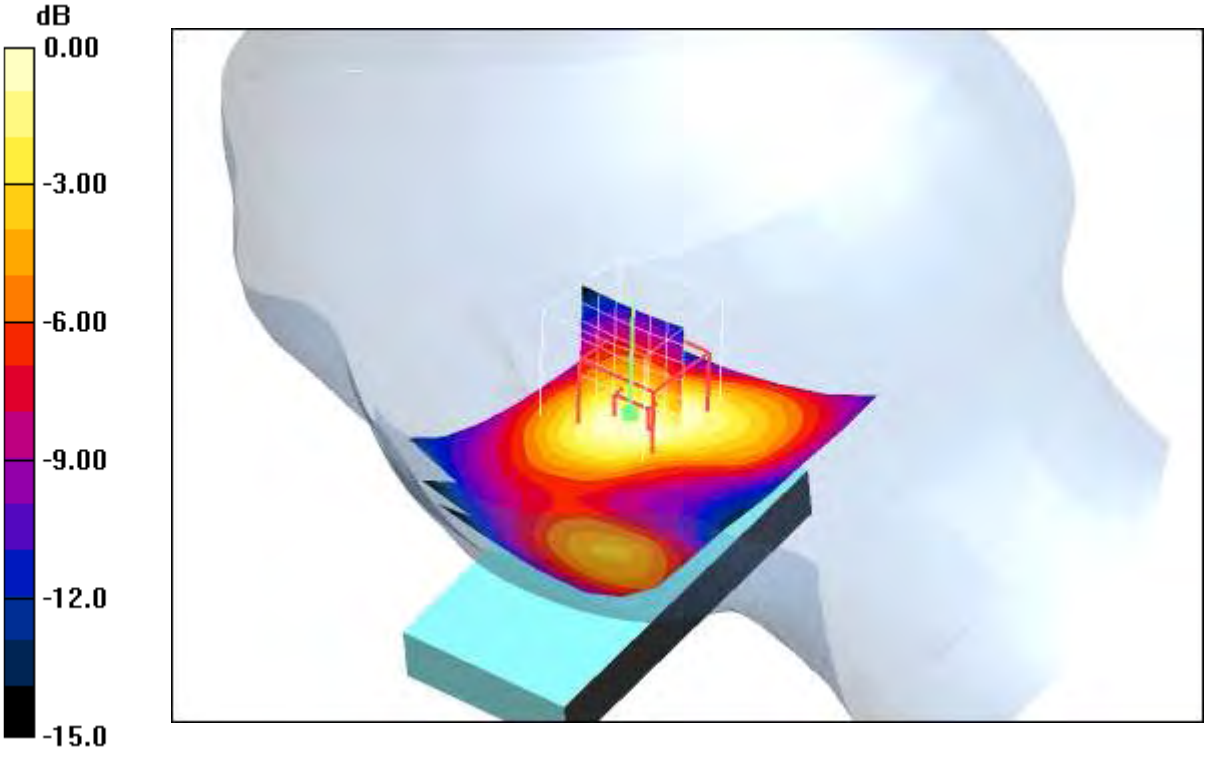
DUT: Sony Ericsson; Type: AAD-3252081-BV; Serial: CB5112VESN
Communication System: PCS 1900; Frequency: 1850.2 MHz;Duty Cycle: 1:8
Medium: HSL1900 Medium parameters used: f = 1850.2 MHz; σ = 1.41 mho/m; ε_r = 39.7; ρ = 1000 kg/m^3
Phantom section: Right Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1558; ConvF(4.96, 4.96, 4.96); Calibrated: 2008-08-15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn413; Calibrated: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Tilt position - Low/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.202 mW/g

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

Reference Value = 11.9 V/m; Power Drift = -0.029 dB
Peak SAR (extrapolated) = 0.288 W/kg
SAR(1 g) = 0.185 mW/g; SAR(10 g) = 0.111 mW/g
Maximum value of SAR (measured) = 0.198 mW/g



0 dB = 0.198mW/g

Additional information:
position or distance of DUT to SAM (if not standard head positions) :
ambient temperature: 21.8°C; liquid temperature: 21.2°C

Date/Time: 2008-09-21 12:33:47Date/Time: 2008-09-21 12:39:43

P1528_OET65-RightHandSide-GSM1900

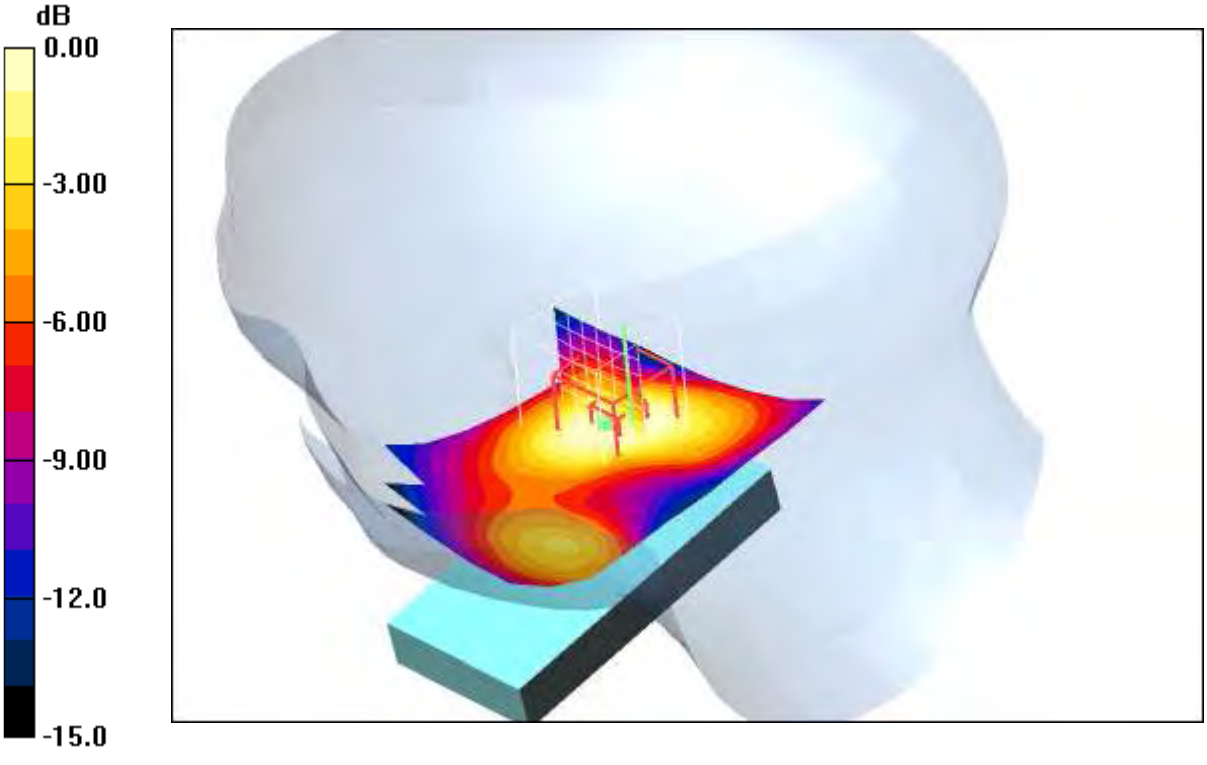
DUT: Sony Ericsson; Type: AAD-3252081-BV; Serial: CB5112VESN
Communication System: PCS 1900; Frequency: 1880 MHz;Duty Cycle: 1:8
Medium: HSL1900 Medium parameters used: f = 1880 MHz; σ = 1.41 mho/m; ε_r = 39.7; ρ = 1000 kg/m^3
Phantom section: Right Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1558; ConvF(4.96, 4.96, 4.96); Calibrated: 2008-08-15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn413; Calibrated: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Tilt position - Middle/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.248 mW/g

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

Reference Value = 13.1 V/m; Power Drift = 0.027 dB
Peak SAR (extrapolated) = 0.328 W/kg
SAR(1 g) = 0.213 mW/g; SAR(10 g) = 0.129 mW/g
Maximum value of SAR (measured) = 0.228 mW/g



0 dB = 0.228mW/g

Additional information:
position or distance of DUT to SAM (if not standard head positions) :
ambient temperature: 21.8°C; liquid temperature: 21.2°C

Date/Time: 2008-09-21 12:14:07Date/Time: 2008-09-21 12:19:59

P1528_OET65-RightHandSide-GSM1900

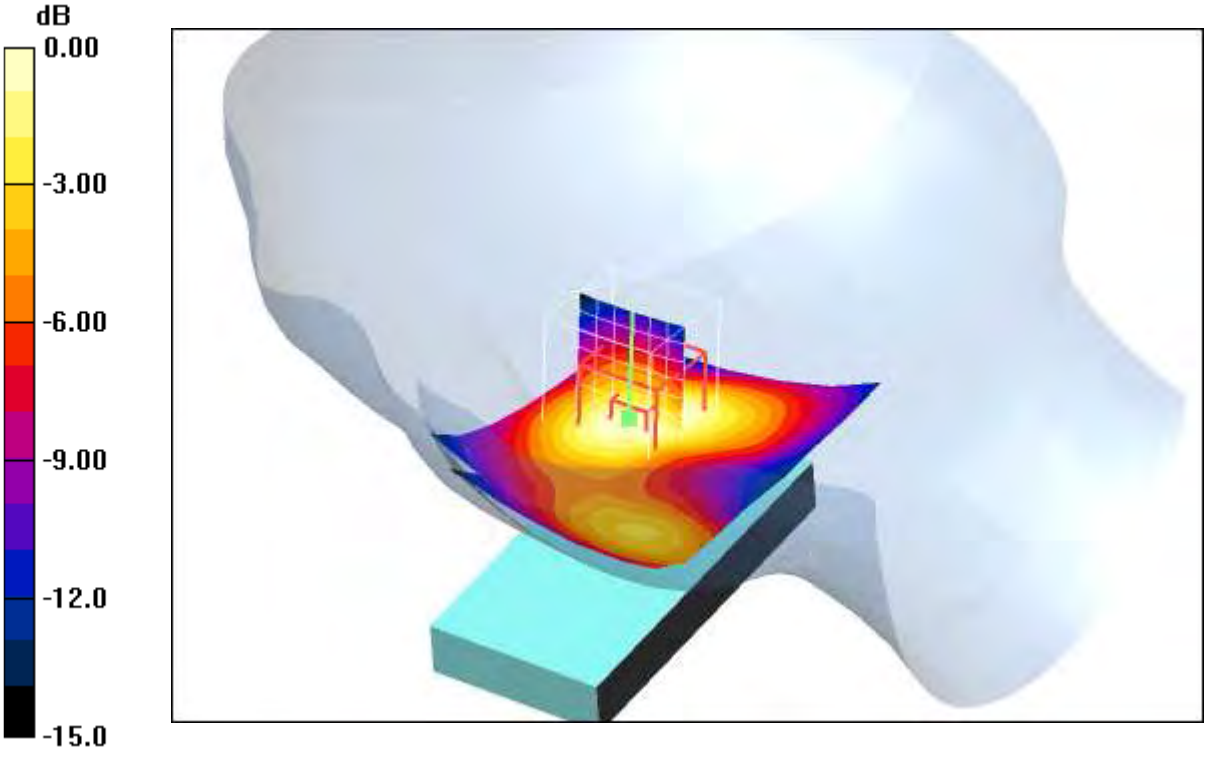
DUT: Sony Ericsson; Type: AAD-3252081-BV; Serial: CB5112VESN
Communication System: PCS 1900; Frequency: 1909.8 MHz;Duty Cycle: 1:8
Medium: HSL1900 Medium parameters used: f = 1909.8 MHz; σ = 1.41 mho/m; ε_r = 39.7; ρ = 1000 kg/m^3
Phantom section: Right Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1558; ConvF(4.96, 4.96, 4.96); Calibrated: 2008-08-15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn413; Calibrated: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Tilt position - High/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

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

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

Reference Value = 14.9 V/m; Power Drift = -0.018 dB
Peak SAR (extrapolated) = 0.442 W/kg
SAR(1 g) = 0.284 mW/g; SAR(10 g) = 0.168 mW/g
Maximum value of SAR (measured) = 0.307 mW/g



0 dB = 0.307mW/g

Additional information:
position or distance of DUT to SAM (if not standard head positions) :
ambient temperature: 21.8°C; liquid temperature: 21.2°C

Date/Time: 2008-09-21 15:55:02Date/Time: 2008-09-21 16:01:23Date/Time: 2008-09-21 16:14:01

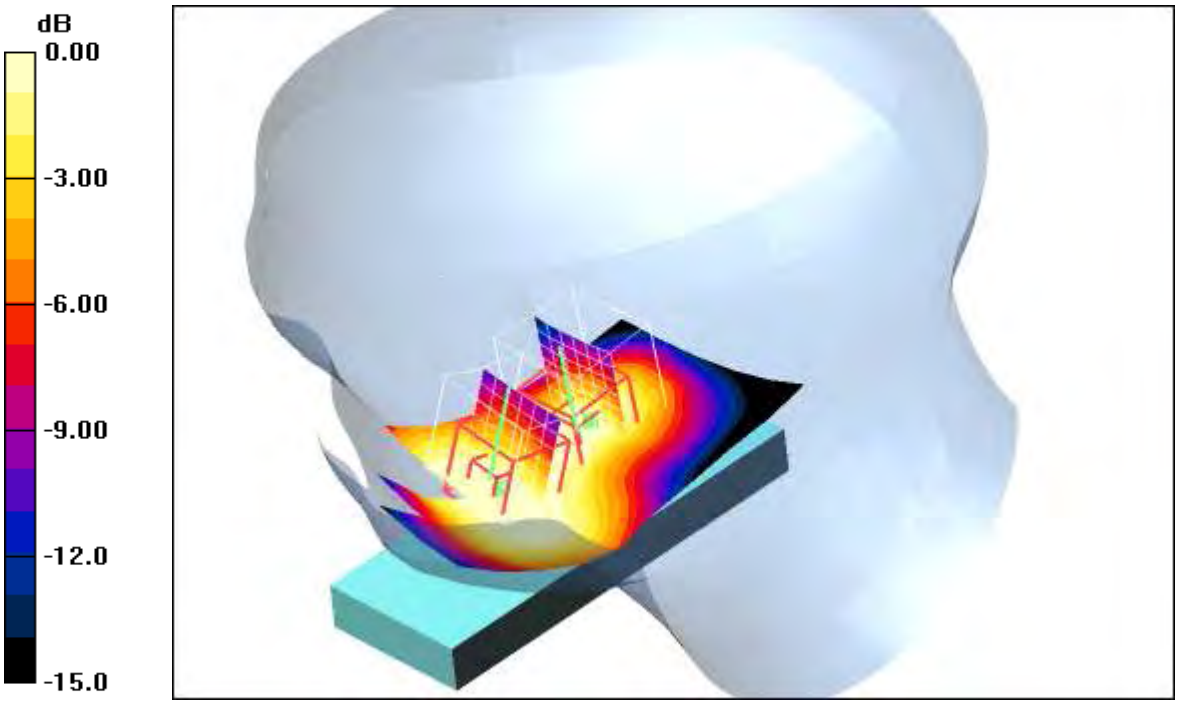
P1528_OET65-RightHandSide-GSM1900 open

DUT: Sony Ericsson; Type: AAD-3352031-BV; Serial: CB5112VESN
Communication System: PCS 1900; Frequency: 1850.2 MHz;Duty Cycle: 1:8
Medium: HSL1900 Medium parameters used: f = 1850.2 MHz; σ = 1.41 mho/m; ε_r = 39.7; 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: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Touch position - Low/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.375 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 = 0.01 dB
Peak SAR (extrapolated) = 0.551 W/kg
SAR(1 g) = 0.353 mW/g; SAR(10 g) = 0.226 mW/g
Maximum value of SAR (measured) = 0.381 mW/g

Touch position - Low/Zoom Scan (7x7x7) (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 17.0 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.416 W/kg
SAR(1 g) = 0.277 mW/g; SAR(10 g) = 0.174 mW/g
Maximum value of SAR (measured) = 0.303 mW/g



0 dB = 0.303mW/g

Additional information:
position or distance of DUT to SAM (if not standard head positions) :
ambient temperature: 22.0°C; liquid temperature: 21.1°C

Date/Time: 2008-09-21 15:10:20Date/Time: 2008-09-21 15:24:51Date/Time: 2008-09-21 15:39:36

P1528_OET65-RightHandSide-GSM1900 open

DUT: Sony Ericsson; Type: AAD-3252081-BV; Serial: CB5112VESN
Communication System: PCS 1900; Frequency: 1880 MHz; Duty Cycle: 1:8
Medium: HSL1900 Medium parameters used: f = 1880 MHz; σ = 1.41 mho/m; ε_r = 39.7; 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: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Touch position - Middle/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm

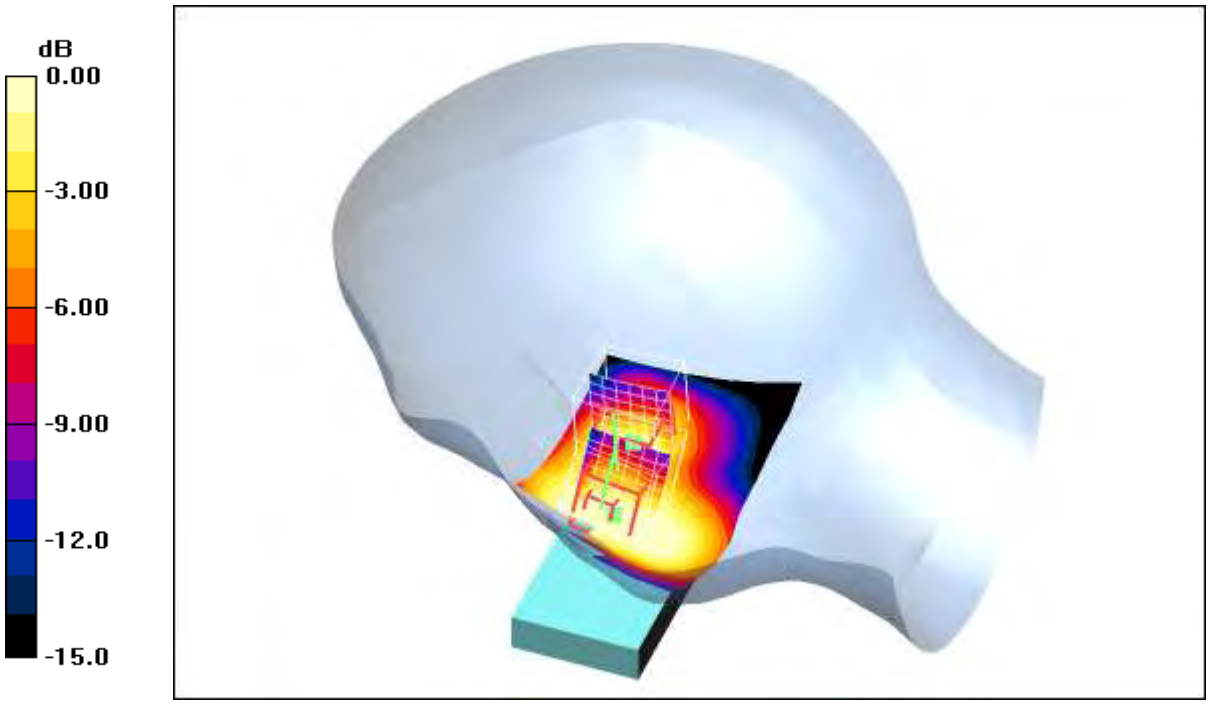
Maximum value of SAR (interpolated) = 0.430 mW/g

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

Reference Value = 18.1 V/m; Power Drift = 0.019 dB
Peak SAR (extrapolated) = 0.832 W/kg
SAR(1 g) = 0.410 mW/g; SAR(10 g) = 0.260 mW/g
Maximum value of SAR (measured) = 0.437 mW/g

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

Reference Value = 18.1 V/m; Power Drift = 0.019 dB
Peak SAR (extrapolated) = 0.488 W/kg
SAR(1 g) = 0.310 mW/g; SAR(10 g) = 0.191 mW/g
Maximum value of SAR (measured) = 0.338 mW/g



0 dB = 0.338mW/g

Additional information:
position or distance of DUT to SAM (if not standard head positions) :
ambient temperature: 22.0°C; liquid temperature: 21.1°C

Date/Time: 2008-09-21 14:33:26Date/Time: 2008-09-21 14:41:03Date/Time: 2008-09-21 14:54:52

P1528_OET65-RightHandSide-GSM1900 open

DUT: Sony Ericsson; Type: AAD-3252081-BV; Serial: CB5112VESN
Communication System: PCS 1900; Frequency: 1909.8 MHz; Duty Cycle: 1:8
Medium: HSL1900 Medium parameters used: f = 1909.8 MHz; σ = 1.41 mho/m; ε_r = 39.7; 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: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Touch position - High/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm

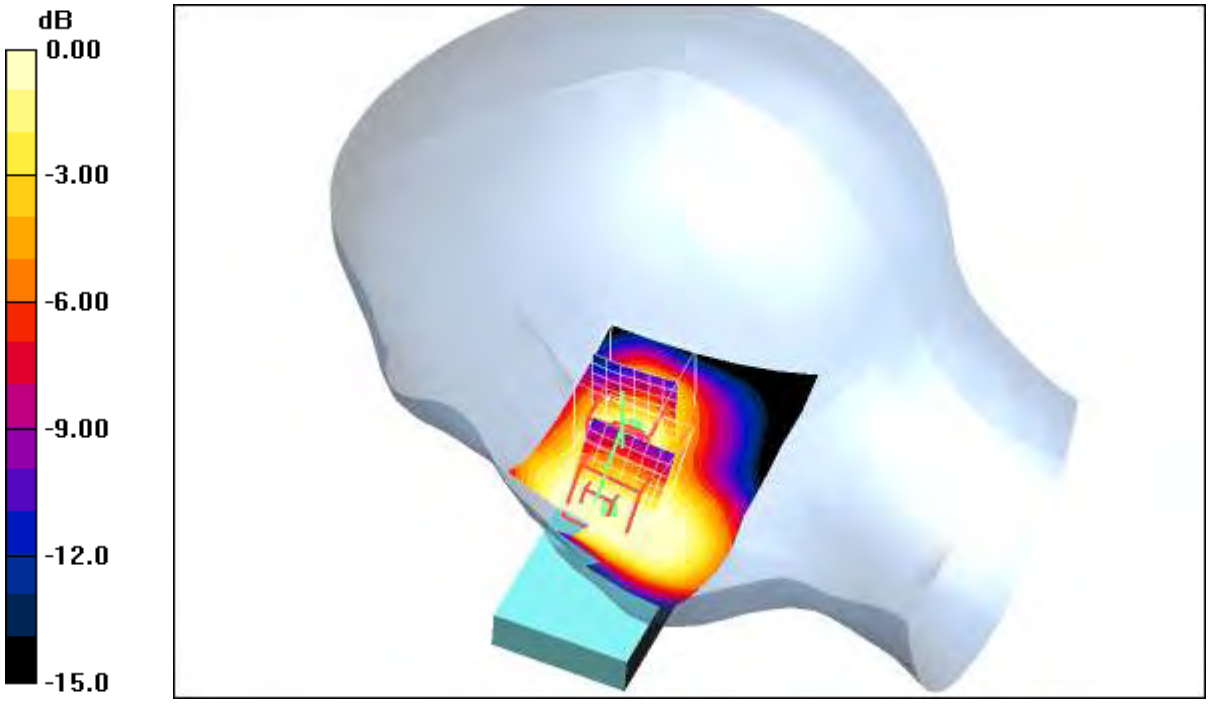
Maximum value of SAR (interpolated) = 0.474 mW/g

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

Reference Value = 19.1 V/m; Power Drift = 0.040 dB
Peak SAR (extrapolated) = 0.716 W/kg
SAR(1 g) = 0.448 mW/g; SAR(10 g) = 0.287 mW/g
Maximum value of SAR (measured) = 0.485 mW/g

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

Reference Value = 19.1 V/m; Power Drift = 0.040 dB
Peak SAR (extrapolated) = 0.557 W/kg
SAR(1 g) = 0.349 mW/g; SAR(10 g) = 0.213 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: 22.0°C; liquid temperature: 21.1°C

Date/Time: 2008-09-21 13:29:13Date/Time: 2008-09-21 13:35:20

P1528_OET65-RightHandSide-GSM1900 open

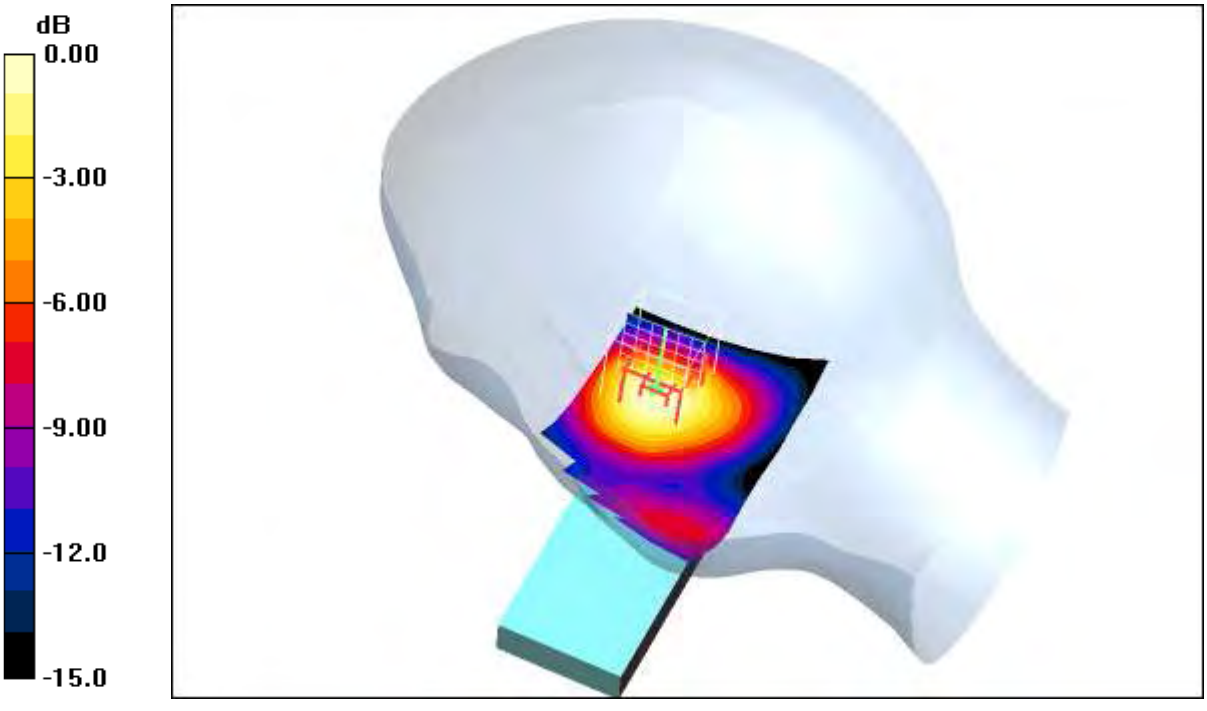
DUT: Sony Ericsson; Type: AAD-3252081-BV; Serial: CB5112VESN
Communication System: PCS 1900; Frequency: 1850.2 MHz; Duty Cycle: 1:8
Medium: HSL1900 Medium parameters used: f = 1850.2 MHz; σ = 1.41 mho/m; ε_r = 39.7; ρ = 1000 kg/m^3
Phantom section: Right Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1558; ConvF(4.96, 4.96, 4.96); Calibrated: 2008-08-15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn413; Calibrated: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Tilt position - Low/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.402 mW/g

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

Reference Value = 16.0 V/m; Power Drift = 0.028 dB
Peak SAR (extrapolated) = 0.534 W/kg
SAR(1 g) = 0.340 mW/g; SAR(10 g) = 0.204 mW/g
Maximum value of SAR (measured) = 0.367 mW/g



0 dB = 0.367mW/g

Additional information:
position or distance of DUT to SAM (if not standard head positions) :
ambient temperature: 22.0°C; liquid temperature: 21.1°C

Date/Time: 2008-09-21 13:49:13Date/Time: 2008-09-21 13:55:31

P1528_OET65-RightHandSide-GSM1900 open

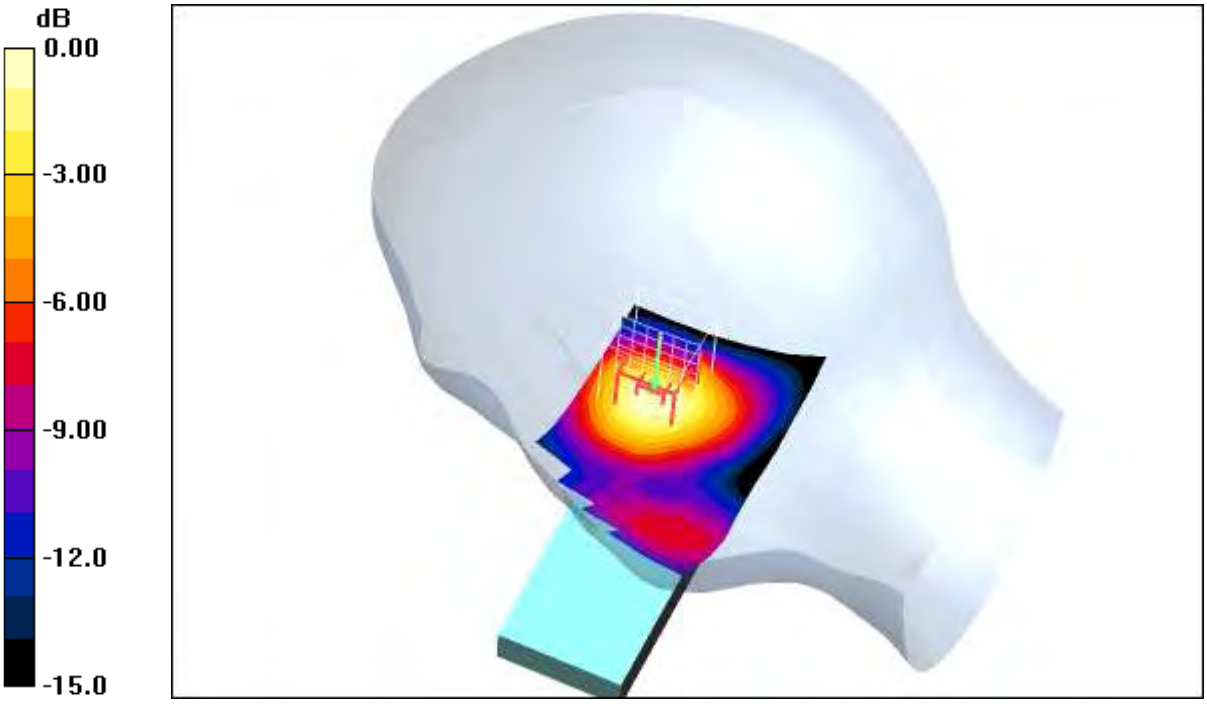
DUT: Sony Ericsson; Type: AAD-3252081-BV; Serial: CB5112VESN
Communication System: PCS 1900; Frequency: 1880 MHz; Duty Cycle: 1:8
Medium: HSL1900 Medium parameters used: f = 1880 MHz; σ = 1.41 mho/m; ε_r = 39.7; ρ = 1000 kg/m^3
Phantom section: Right Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1558; ConvF(4.96, 4.96, 4.96); Calibrated: 2008-08-15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn413; Calibrated: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

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

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

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

Reference Value = 16.7 V/m; Power Drift = 0.065 dB
Peak SAR (extrapolated) = 0.601 W/kg
SAR(1 g) = 0.374 mW/g; SAR(10 g) = 0.222 mW/g
Maximum value of SAR (measured) = 0.409 mW/g



0 dB = 0.409mW/g

Additional information:
position or distance of DUT to SAM (if not standard head positions) :
ambient temperature: 22.0°C; liquid temperature: 21.1°C

Date/Time: 2008-09-21 14:10:01Date/Time: 2008-09-21 14:16:31

P1528_OET65-RightHandSide-GSM1900 open

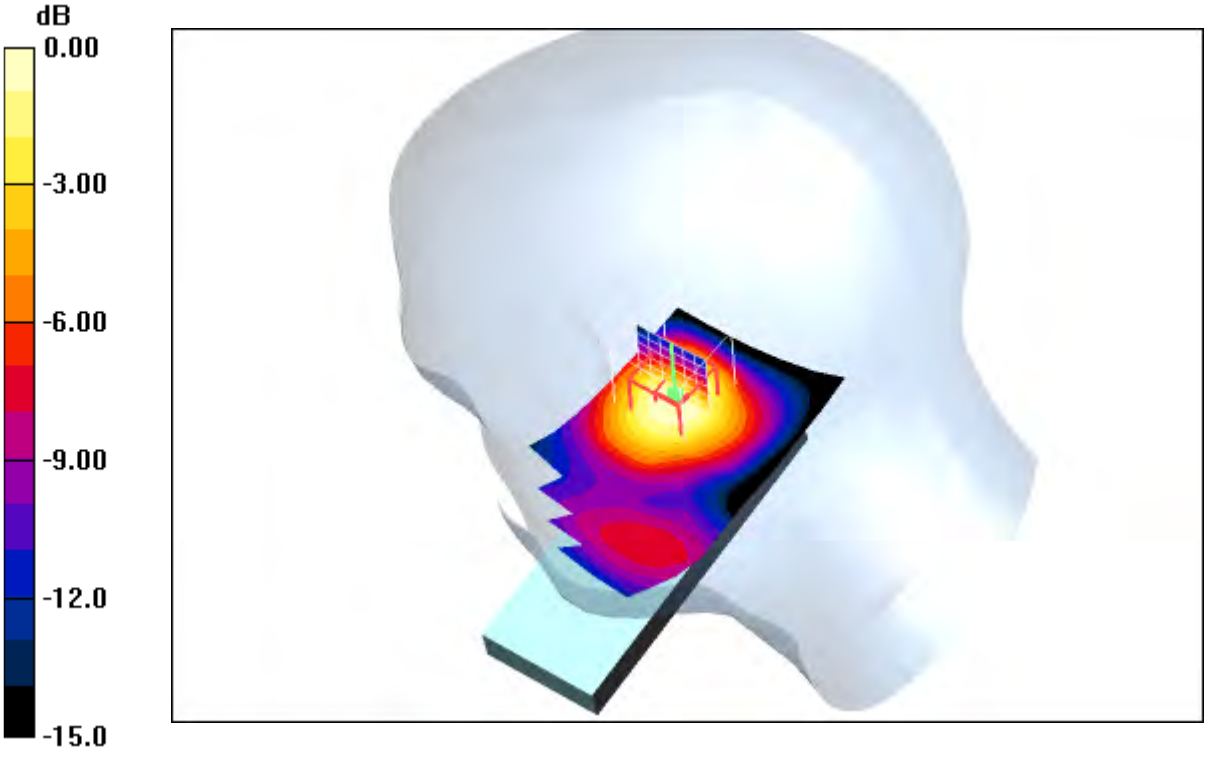
DUT: Sony Ericsson; Type: Type: AAD-3252081-BV; Serial: CB5112VESN
Communication System: PCS 1900; Frequency: 1909.8 MHz; Duty Cycle: 1:8
Medium: HSL1900 Medium parameters used: f = 1909.8 MHz; σ = 1.41 mho/m; ε_r = 39.7; ρ = 1000 kg/m^3
Phantom section: Right Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1558; ConvF(4.96, 4.96, 4.96); Calibrated: 2008-08-15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn413; Calibrated: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Tilt position - High/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.509 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 = -0.022 dB
Peak SAR (extrapolated) = 0.691 W/kg
SAR(1 g) = 0.426 mW/g; SAR(10 g) = 0.250 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: 22.0°C; liquid temperature: 21.1°C

Annex 2.4 PCS 1900 MHz body

Date/Time: 2008-09-23 21:05:03Date/Time: 2008-09-23 21:10:52

P1528_OET65-Body-GSM1900 GPRS class 10_2TS

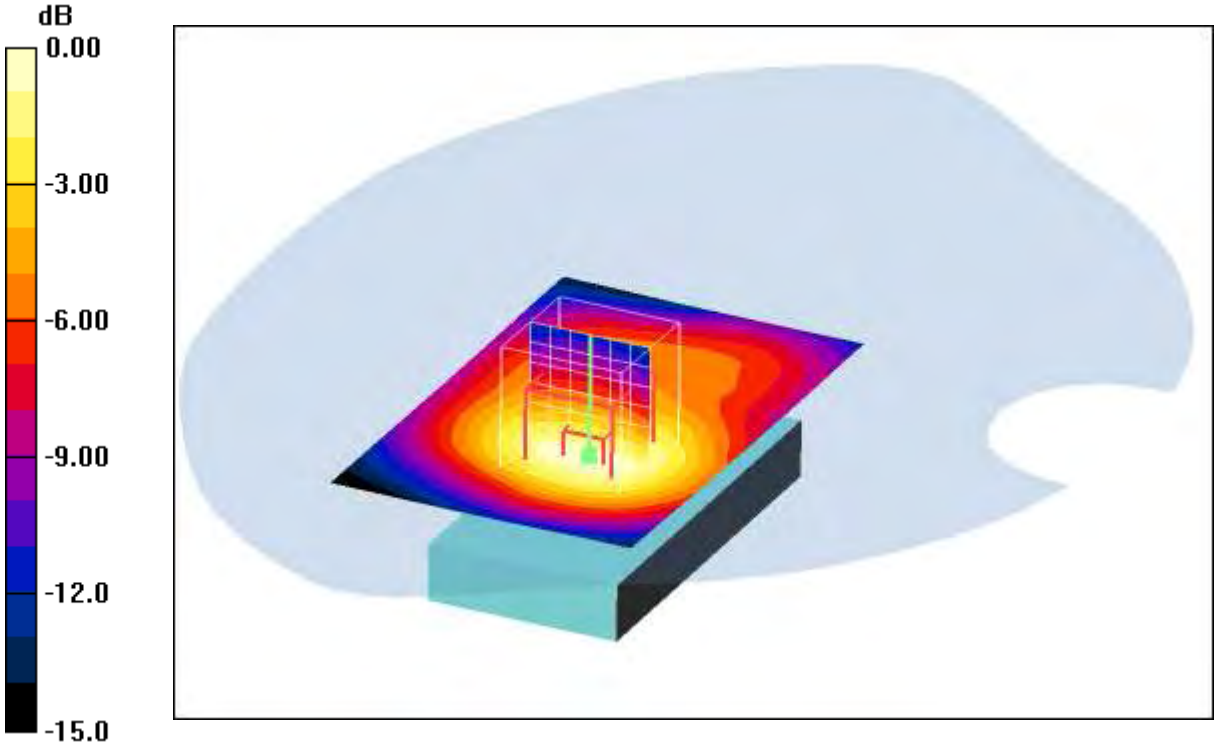
DUT: Sony Ericsson; Type: AAD-3252081-BV; Serial: CB5112VESN
Communication System: PCS 1900 GPRS class 10; Frequency: 1850.2 MHz; Duty Cycle: 1:4
Medium: M1900 Medium parameters used: f = 1850.2 MHz; σ = 1.52 mho/m; ε_r = 52.6; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: 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: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Front position - Low/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

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

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

Reference Value = 13.2 V/m; Power Drift = 0.092 dB
Peak SAR (extrapolated) = 0.386 W/kg
SAR(1 g) = 0.233 mW/g; SAR(10 g) = 0.142 mW/g
Maximum value of SAR (measured) = 0.251 mW/g



0 dB = 0.251mW/g

Additional information:
position or distance of DUT to SAM (if not standard head positions) : 15 mm
ambient temperature: 23.2°C; liquid temperature: 21.5°C

Date/Time: 2008-09-23 20:43:54Date/Time: 2008-09-23 20:50:05

P1528_OET65-Body-GSM1900 GPRS class 10_2TS

DUT: Sony Ericsson; Type: AAD-3252081-BV; Serial: CB5112VESN

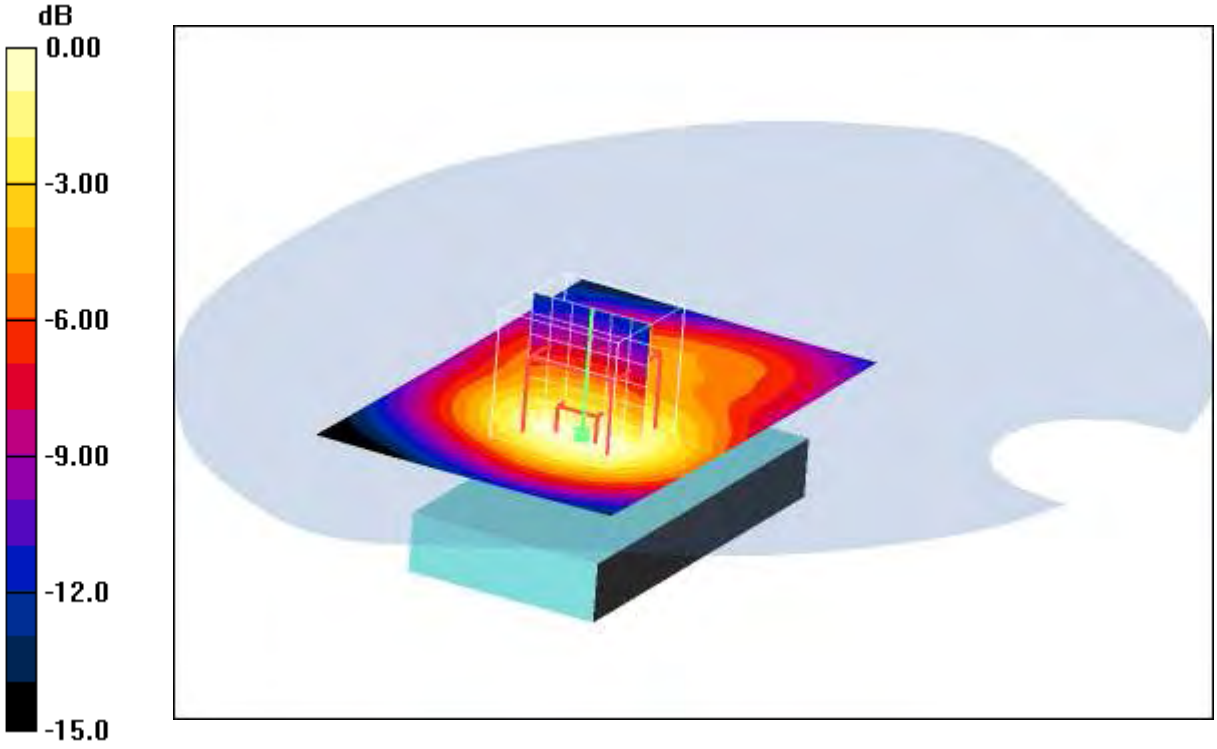
Communication System: PCS 1900 GPRS class 10; Frequency: 1880 MHz; Duty Cycle: 1:4
Medium: M1900 Medium parameters used: f = 1880 MHz; σ = 1.52 mho/m; ε_r = 52.6; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1558; ConvF(4.39, 4.39, 4.39); Calibrated: 2008-08-15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn413; Calibrated: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Front position - Middle/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.279 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 = -0.030 dB
Peak SAR (extrapolated) = 0.437 W/kg
SAR(1 g) = 0.259 mW/g; SAR(10 g) = 0.158 mW/g
Maximum value of SAR (measured) = 0.276 mW/g



0 dB = 0.276mW/g

Additional information:
position or distance of DUT to SAM (if not standard head positions) : 15 mm
ambient temperature: 23.2°C; liquid temperature: 21.5°C

Date/Time: 2008-09-23 21:25:15Date/Time: 2008-09-23 21:31:02

P1528_OET65-Body-GSM1900 GPRS class 10_2TS

DUT: Sony Ericsson; Type: AAD-3252081-BV; Serial: CB5112VESN

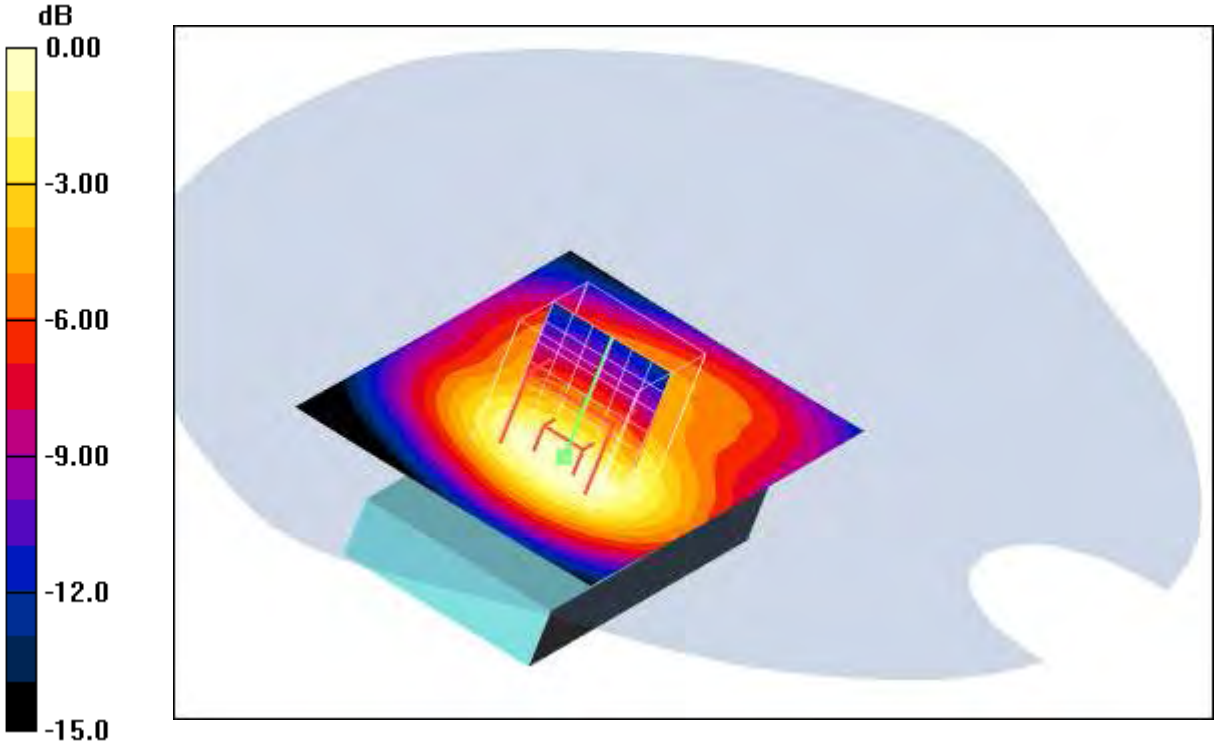
Communication System: PCS 1900 GPRS class 10; Frequency: 1909.8 MHz; Duty Cycle: 1:4
Medium: M1900 Medium parameters used: f = 1909.8 MHz; σ = 1.52 mho/m; ε_r = 52.6; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1558; ConvF(4.39, 4.39, 4.39); Calibrated: 2008-08-15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn413; Calibrated: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Front position - High/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.351 mW/g

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

Reference Value = 15.5 V/m; Power Drift = 0.058 dB
Peak SAR (extrapolated) = 0.531 W/kg
SAR(1 g) = 0.319 mW/g; SAR(10 g) = 0.194 mW/g
Maximum value of SAR (measured) = 0.344 mW/g



0 dB = 0.344mW/g

Additional information:
position or distance of DUT to SAM (if not standard head positions) : 15 mm
ambient temperature: 23.2°C; liquid temperature: 21.5°C

Date/Time: 2008-09-24 08:48:34Date/Time: 2008-09-24 08:54:28

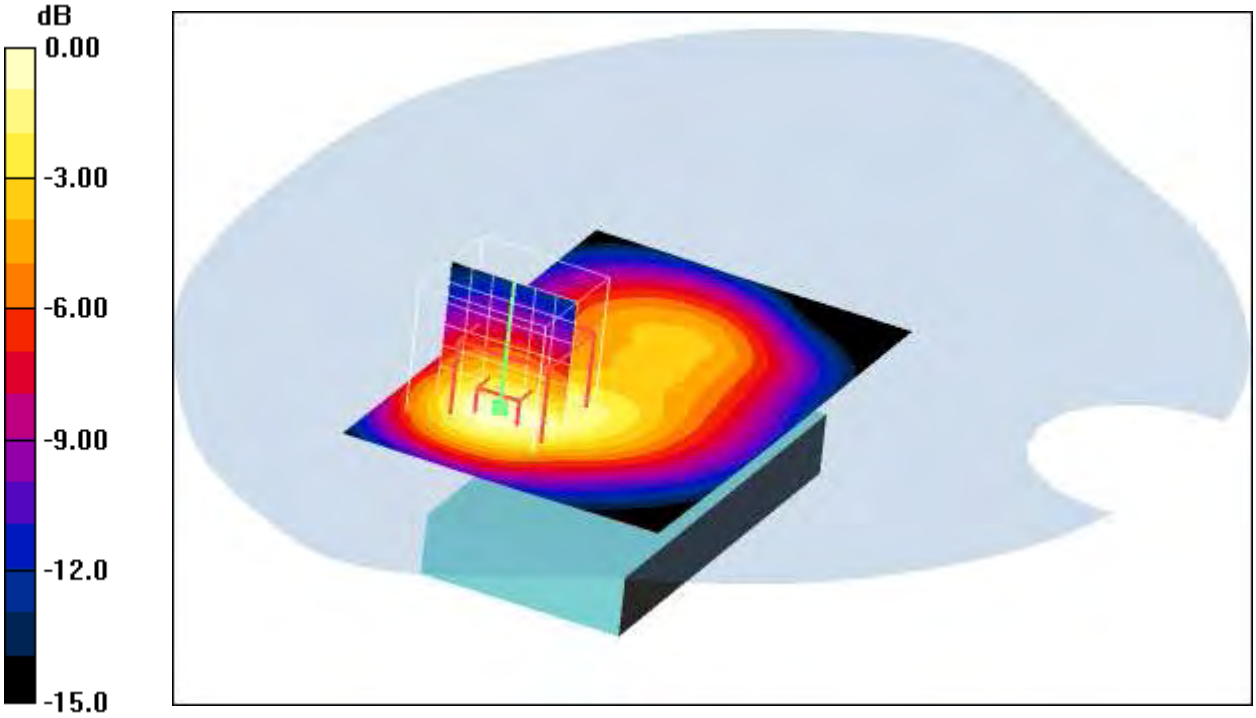
P1528_OET65-Body-GSM1900 GPRS class 10_2TS

DUT: Sony Ericsson; Type: AAD-3252081-BV; Serial: CB5112VESN

Communication System: PCS 1900 GPRS class 10; Frequency: 1850.2 MHz; Duty Cycle: 1:4
Medium: M1900 Medium parameters used: f = 1850.2 MHz; σ = 1.52 mho/m; ε_r = 52.6; 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: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Rear position - Low/Area Scan (51x81x1):
Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.556 mW/g

Rear position - Low/Zoom Scan (7x7x7) (7x7x7)/Cube 0:
Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 17.9 V/m; Power Drift = -0.098 dB
Peak SAR (extrapolated) = 0.884 W/kg
SAR(1 g) = 0.491 mW/g; SAR(10 g) = 0.278 mW/g
Maximum value of SAR (measured) = 0.530 mW/g



0 dB = 0.530mW/g

Additional information:
position or distance of DUT to SAM (if not standard head positions) : 15 mm
ambient temperature: 23.7°C; liquid temperature: 22.0°C

Date/Time: 2008-09-24 09:14:44Date/Time: 2008-09-24 09:20:41

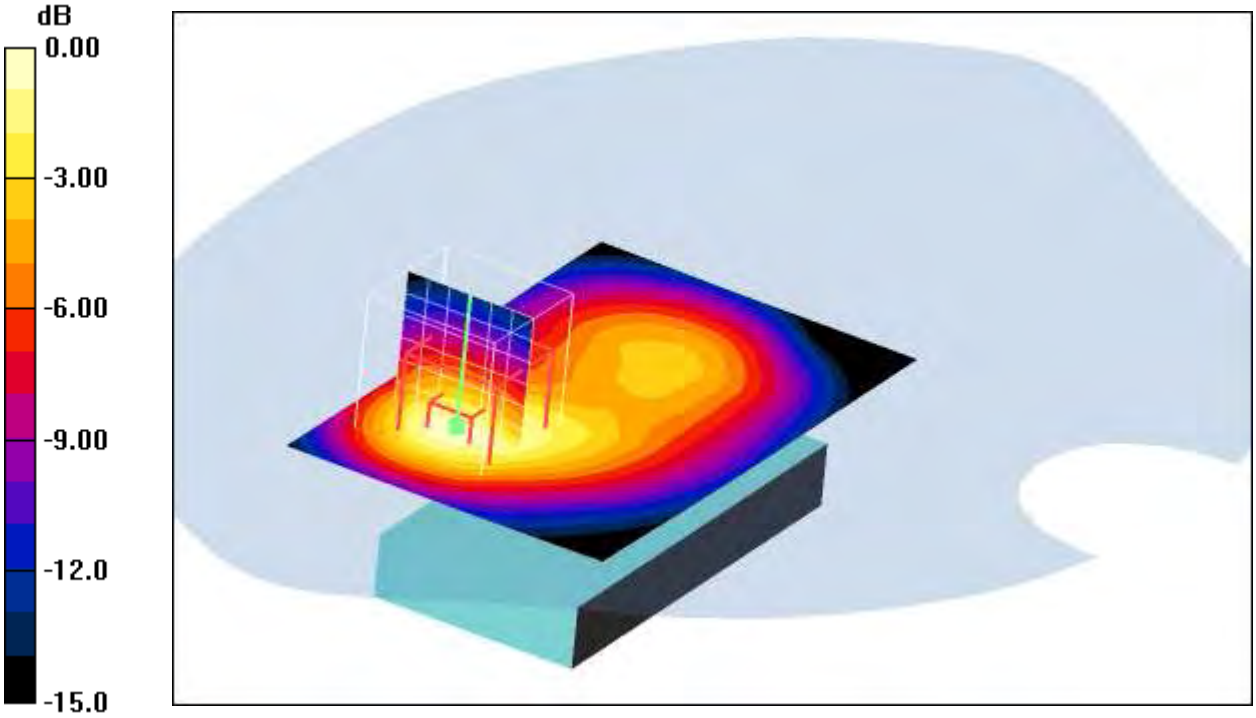
P1528_OET65-Body-GSM1900 GPRS class 10_2TS

DUT: Sony Ericsson; Type: AAD-3252081-BV; Serial: CB5112VESN

Communication System: PCS 1900 GPRS class 10; Frequency: 1880 MHz; Duty Cycle: 1:4
Medium: M1900 Medium parameters used: f = 1880 MHz; σ = 1.52 mho/m; ε_r = 52.6; 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: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Rear position - Middle/Area Scan (51x81x1):
Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.632 mW/g

Rear position - Middle/Zoom Scan (7x7x7) (7x7x7)/Cube 0:
Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 19.0 V/m; Power Drift = 0.016 dB
Peak SAR (extrapolated) = 1.06 W/kg
SAR(1 g) = 0.561 mW/g; SAR(10 g) = 0.309 mW/g
Maximum value of SAR (measured) = 0.618 mW/g



0 dB = 0.618mW/g

Additional information:
position or distance of DUT to SAM (if not standard head positions) : 15 mm
ambient temperature: 23.7°C; liquid temperature: 22.0°C

Date/Time: 2008-09-24 09:37:18Date/Time: 2008-09-24 09:43:14

P1528_OET65-Body-GSM1900 GPRS class 10_2TS

DUT: Sony Ericsson; Type: AAD-3252081-BV; Serial: CB5112VESN

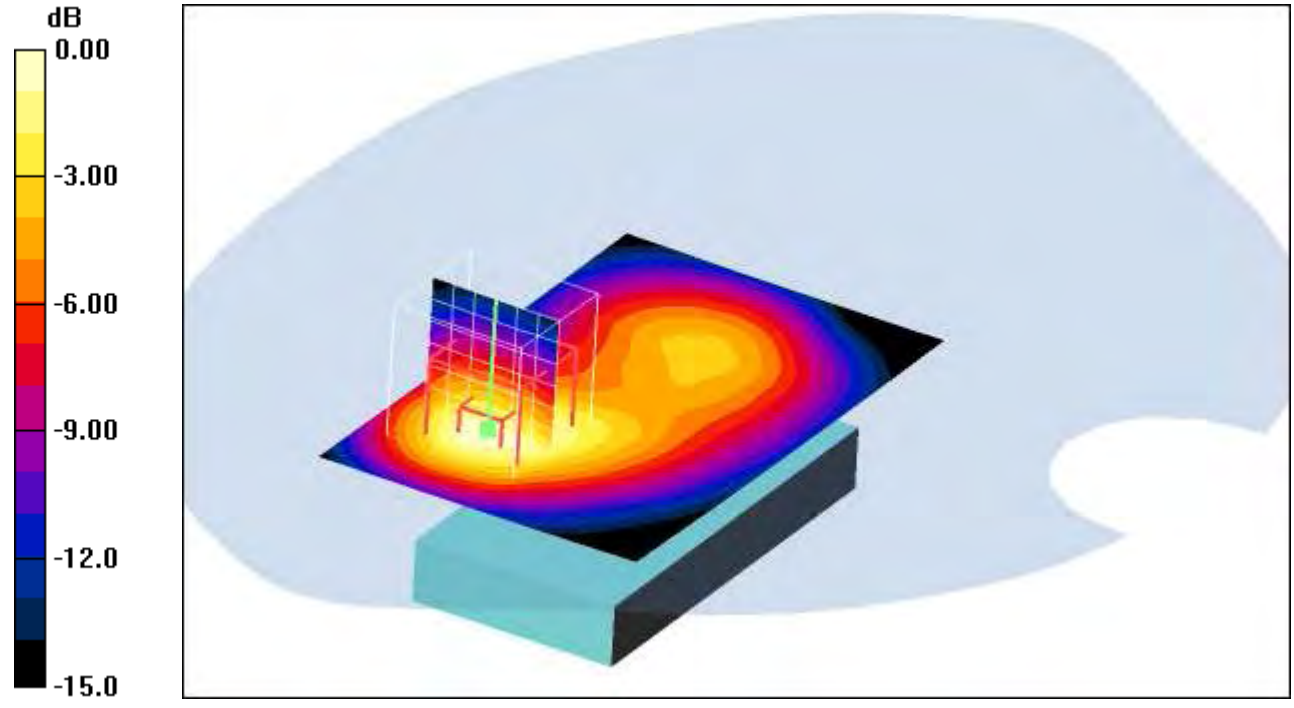
Communication System: PCS 1900 GPRS class 10; Frequency: 1909.8 MHz; Duty Cycle: 1:4
Medium: M1900 Medium parameters used: f = 1909.8 MHz; σ = 1.52 mho/m; ε_r = 52.6; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1558; ConvF(4.39, 4.39, 4.39); Calibrated: 2008-08-15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn413; Calibrated: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Rear position - High/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.806 mW/g

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

Reference Value = 21.4 V/m; Power Drift = -0.014 dB
Peak SAR (extrapolated) = 1.31 W/kg
SAR(1 g) = 0.695 mW/g; SAR(10 g) = 0.378 mW/g
Maximum value of SAR (measured) = 0.760 mW/g



0 dB = 0.760mW/g

Additional information:
position or distance of DUT to SAM (if not standard head positions) : 15 mm
ambient temperature: 23.7°C; liquid temperature: 22.0°C

Date/Time: 2008-09-24 10:40:53Date/Time: 2008-09-24 10:46:35

P1528_OET65-Body-GSM1900 EGPRS class 10_2TS

DUT: Sony Ericsson; Type: AAD-3252081-BV; Serial: CB5112VESN

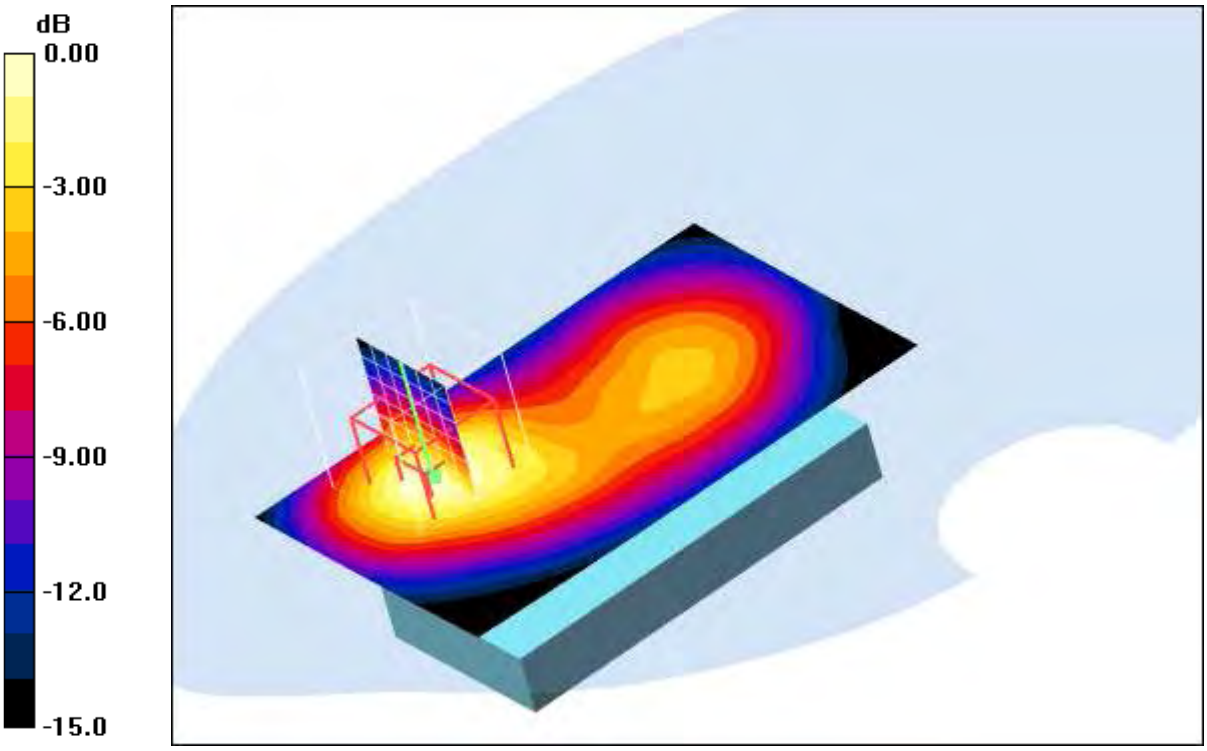
Communication System: PCS 1900 EGPRS class 10; Frequency: 1909.8 MHz; Duty Cycle: 1:4
Medium: M1900 Medium parameters used: f = 1909.8 MHz; σ = 1.52 mho/m; ε_r = 52.6; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1558; ConvF(4.39, 4.39, 4.39); Calibrated: 2008-08-15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn413; Calibrated: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Rear position - High/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

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

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

Reference Value = 14.1 V/m; Power Drift = -0.043 dB
Peak SAR (extrapolated) = 0.579 W/kg
SAR(1 g) = 0.304 mW/g; SAR(10 g) = 0.165 mW/g
Maximum value of SAR (measured) = 0.334 mW/g



0 dB = 0.334mW/g

Additional information:
position or distance of DUT to SAM (if not standard head positions) : 15 mm
ambient temperature: 23.7°C; liquid temperature: 22.0°C

Date/Time: 2008-09-24 10:05:31Date/Time: 2008-09-24 10:11:14

P1528_OET65-Body-GSM19000 GPRS with 1TS

DUT: Sony Ericsson; Type: AAD-3252081-BV; Serial: CB5112VESN

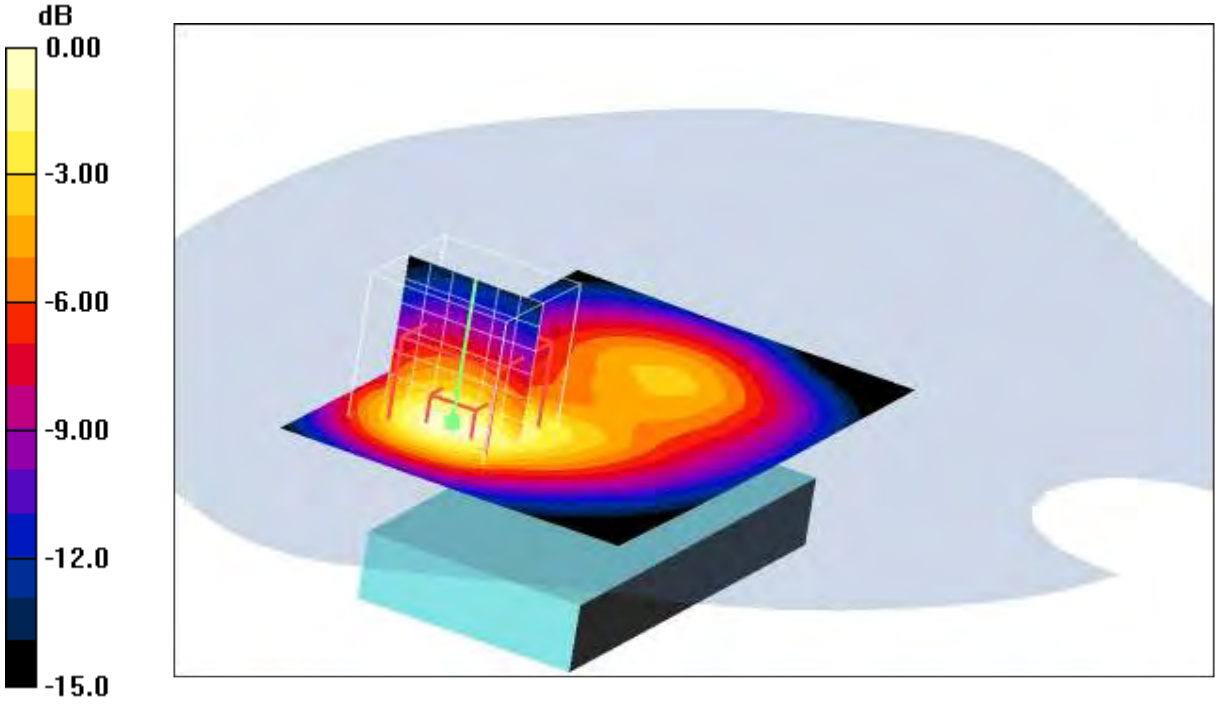
Communication System: PCS 1900 GPRS class 8; Frequency: 1909.8 MHz; Duty Cycle: 1:8
Medium: M1900 Medium parameters used: f = 1909.8 MHz; σ = 1.52 mho/m; ε_r = 52.6; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1558; ConvF(4.39, 4.39, 4.39); Calibrated: 2008-08-15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn413; Calibrated: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Rear position - High/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.538 mW/g

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

Reference Value = 17.6 V/m; Power Drift = 0.056 dB
Peak SAR (extrapolated) = 0.898 W/kg
SAR(1 g) = 0.476 mW/g; SAR(10 g) = 0.259 mW/g
Maximum value of SAR (measured) = 0.524 mW/g



0 dB = 0.524mW/g

Additional information:
position or distance of DUT to SAM (if not standard head positions) : 15 mm
ambient temperature: 23.7°C; liquid temperature: 22.0°C

Annex 2.5 UMTS (WCDMA) FDD V head

Date/Time: 2008-09-25 16:04:07Date/Time: 2008-09-25 16:09:29

P1528_OET65-LeftHandSide-UMTS-FDD-V

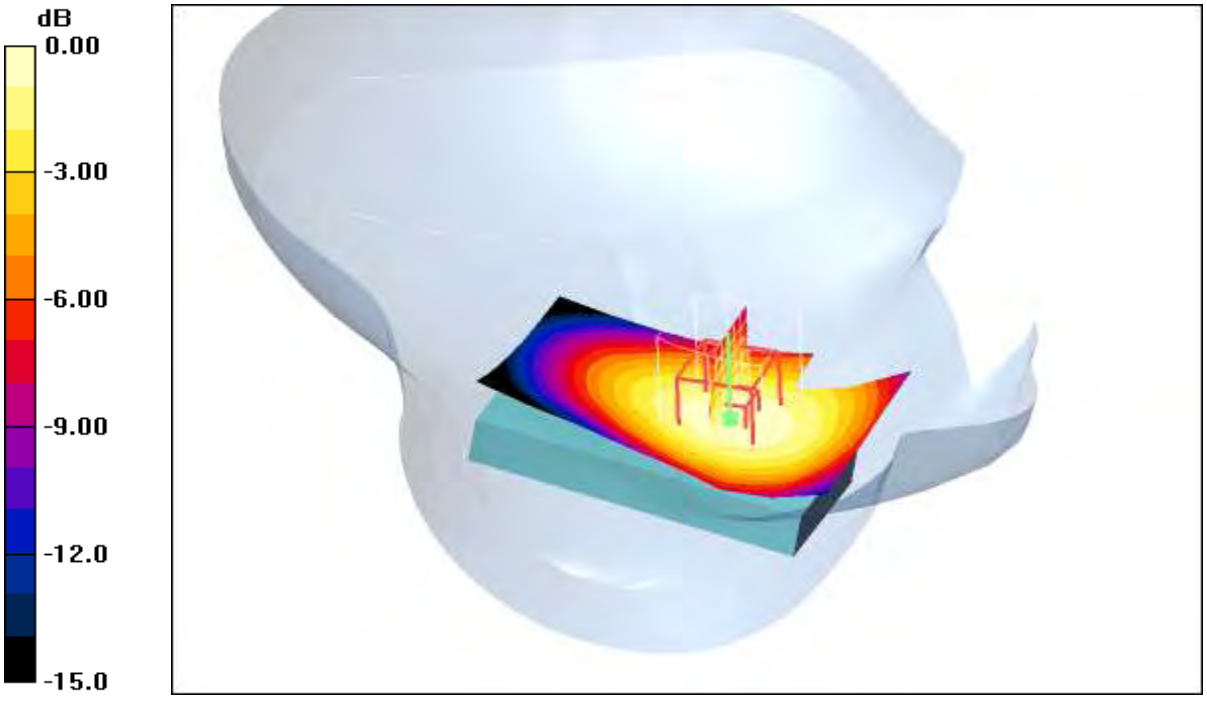
DUT: Sony Ericsson; Type: AAD-3252081-BV; Serial: CB5112VESN
Communication System: UMTS band V; Frequency: 826.4 MHz; Duty Cycle: 1:1
Medium: HSL850 Medium parameters used (interpolated): f = 826.4 MHz; σ = 0.88 mho/m; ε_r = 42.5; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:
- Probe: 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: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

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

Maximum value of SAR (interpolated) = 0.574 mW/g

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

Reference Value = 26.2 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.697 W/kg
SAR(1 g) = 0.537 mW/g; SAR(10 g) = 0.386 mW/g
Maximum value of SAR (measured) = 0.571 mW/g



0 dB = 0.571mW/g

Additional information:
position or distance of DUT to SAM (if not standard head positions) :
ambient temperature: 23.0°C; liquid temperature: 22.2°C

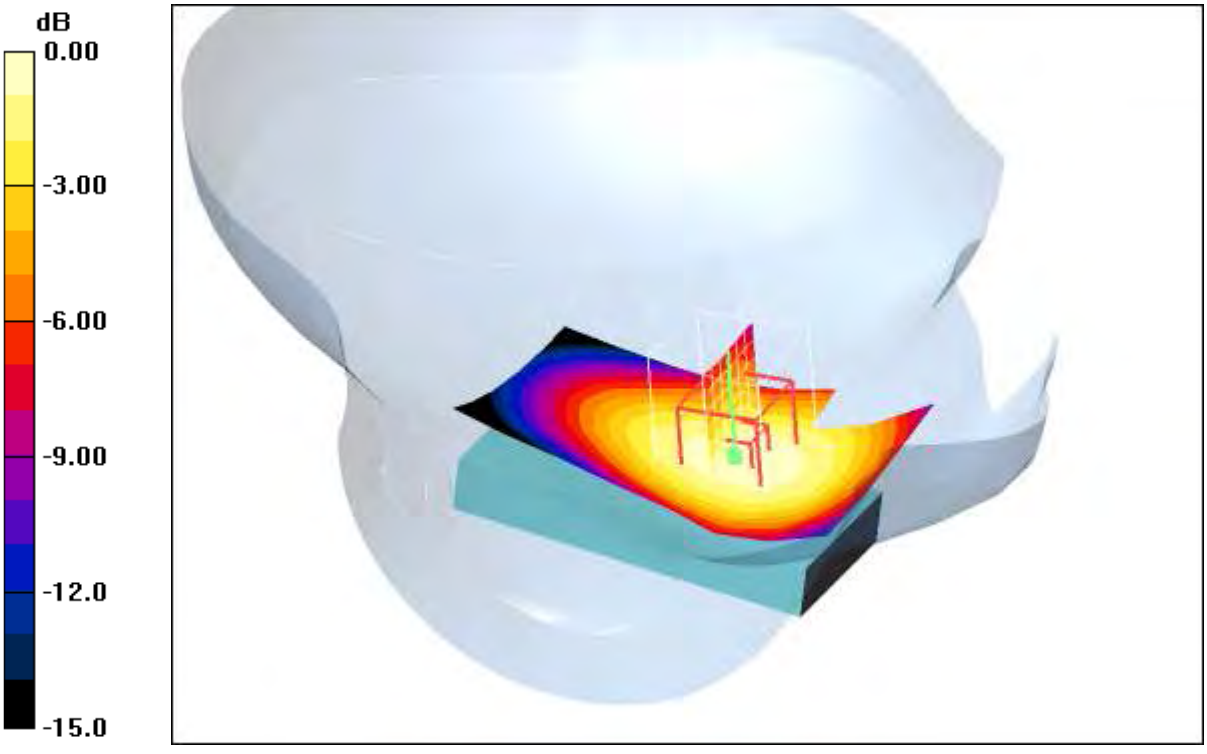
Date/Time: 2008-09-25 16:25:46Date/Time: 2008-09-25 16:31:13

P1528_OET65-LeftHandSide-UMTS-FDD-V

DUT: Sony Ericsson; Type: AAD-3252081-BV; Serial: CB5112VESN
Communication System: UMTS band V; Frequency: 836.4 MHz;Duty Cycle: 1:1
Medium: HSL850 Medium parameters used (interpolated): f = 836.4 MHz; σ = 0.88 mho/m; ε_r = 42.5; 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: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Touch position - Middle/Area Scan (51x71x1):
Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.768 mW/g

Touch position - Middle/Zoom Scan (7x7x7) (7x7x7)/Cube 0:
Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 30.7 V/m; Power Drift = -0.184 dB
Peak SAR (extrapolated) = 0.925 W/kg
SAR(1 g) = 0.713 mW/g; SAR(10 g) = 0.513 mW/g
Maximum value of SAR (measured) = 0.752 mW/g



0 dB = 0.752mW/g

Additional information:
position or distance of DUT to SAM (if not standard head positions) :
ambient temperature: 23.0°C; liquid temperature: 22.2°C

Date/Time: 2008-09-25 16:46:19Date/Time: 2008-09-25 16:51:49

P1528_OET65-LeftHandSide-UMTS-FDD-V

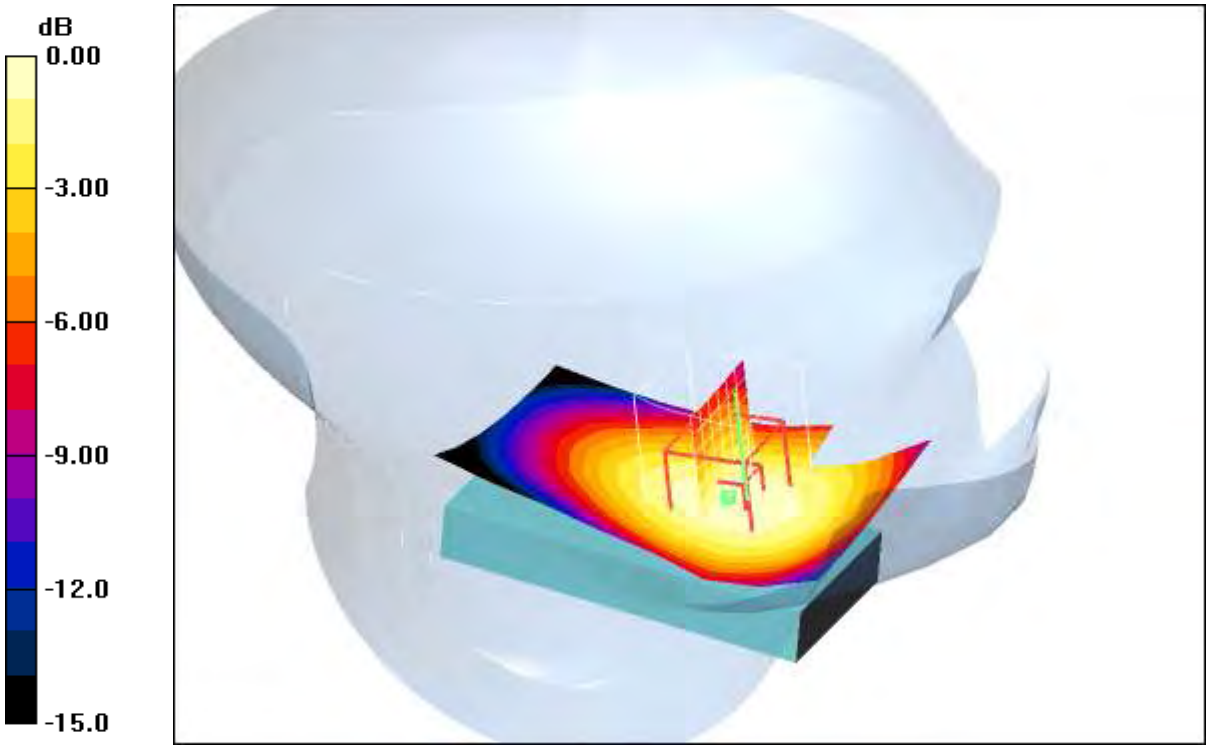
DUT: Sony Ericsson; Type: AAD-3252081-BV; Serial: CB5112VESN
Communication System: UMTS band V; Frequency: 846.6 MHz;Duty Cycle: 1:1
Medium: HSL850 Medium parameters used (interpolated): f = 846.6 MHz; σ = 0.88 mho/m; ε_r = 42.5; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:
- Probe: 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: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

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

Maximum value of SAR (interpolated) = 0.641 mW/g

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

Reference Value = 27.6 V/m; Power Drift = 0.030 dB
Peak SAR (extrapolated) = 0.769 W/kg
SAR(1 g) = 0.584 mW/g; SAR(10 g) = 0.419 mW/g
Maximum value of SAR (measured) = 0.620 mW/g



0 dB = 0.620mW/g

Additional information:
position or distance of DUT to SAM (if not standard head positions) :
ambient temperature: 23.0°C; liquid temperature: 22.2°C

Date/Time: 2008-09-25 17:58:37Date/Time: 2008-09-25 18:04:51

P1528_OET65-LeftHandSide-UMTS-FDD-V

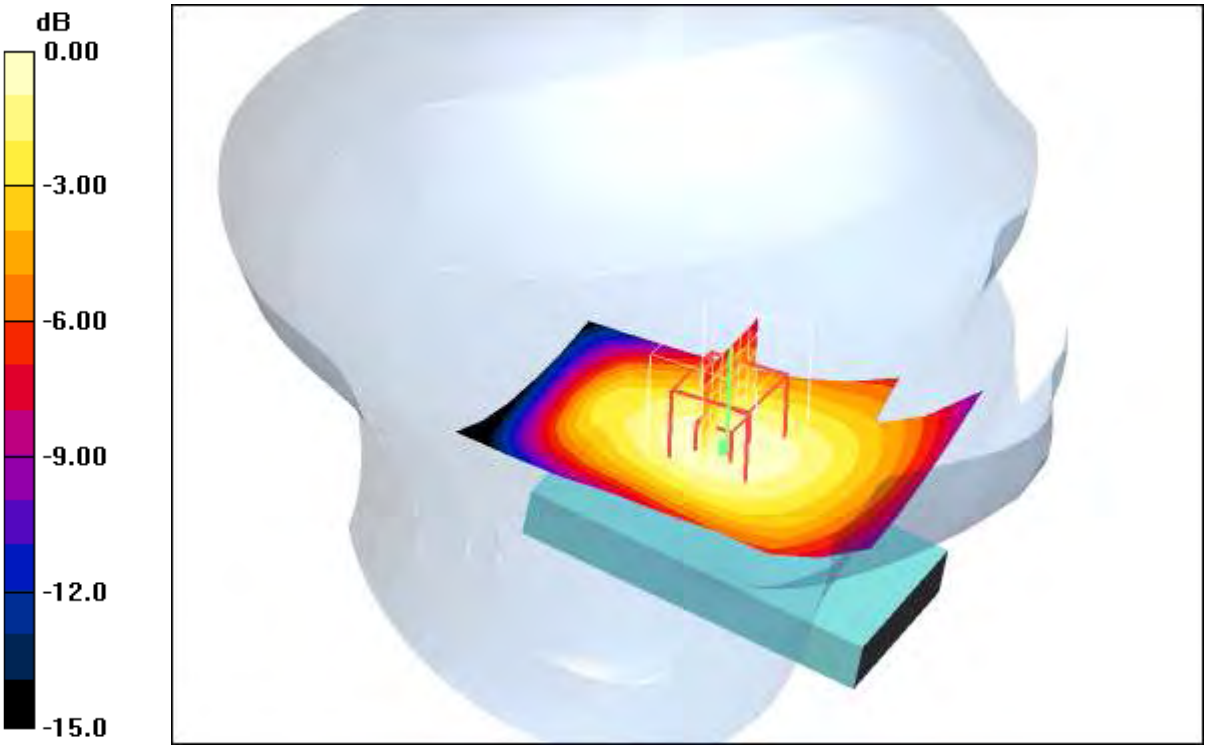
DUT: Sony Ericsson; Type: AAD-3252081-BV; Serial: CB5112VESN
Communication System: UMTS band V; Frequency: 826.4 MHz;Duty Cycle: 1:1
Medium: HSL850 Medium parameters used (interpolated): f = 826.4 MHz; σ = 0.88 mho/m; ε_r = 42.5; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:
- Probe: 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: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Tilt position - Low/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

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

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

Reference Value = 19.1 V/m; Power Drift = 0.015 dB
Peak SAR (extrapolated) = 0.366 W/kg
SAR(1 g) = 0.292 mW/g; SAR(10 g) = 0.216 mW/g
Maximum value of SAR (measured) = 0.305 mW/g



0 dB = 0.305mW/g

Additional information:
position or distance of DUT to SAM (if not standard head positions) :
ambient temperature: 23.0°C; liquid temperature: 22.2°C

Date/Time: 2008-09-25 17:37:36Date/Time: 2008-09-25 17:43:44

P1528_OET65-LeftHandSide-UMTS-FDD-V

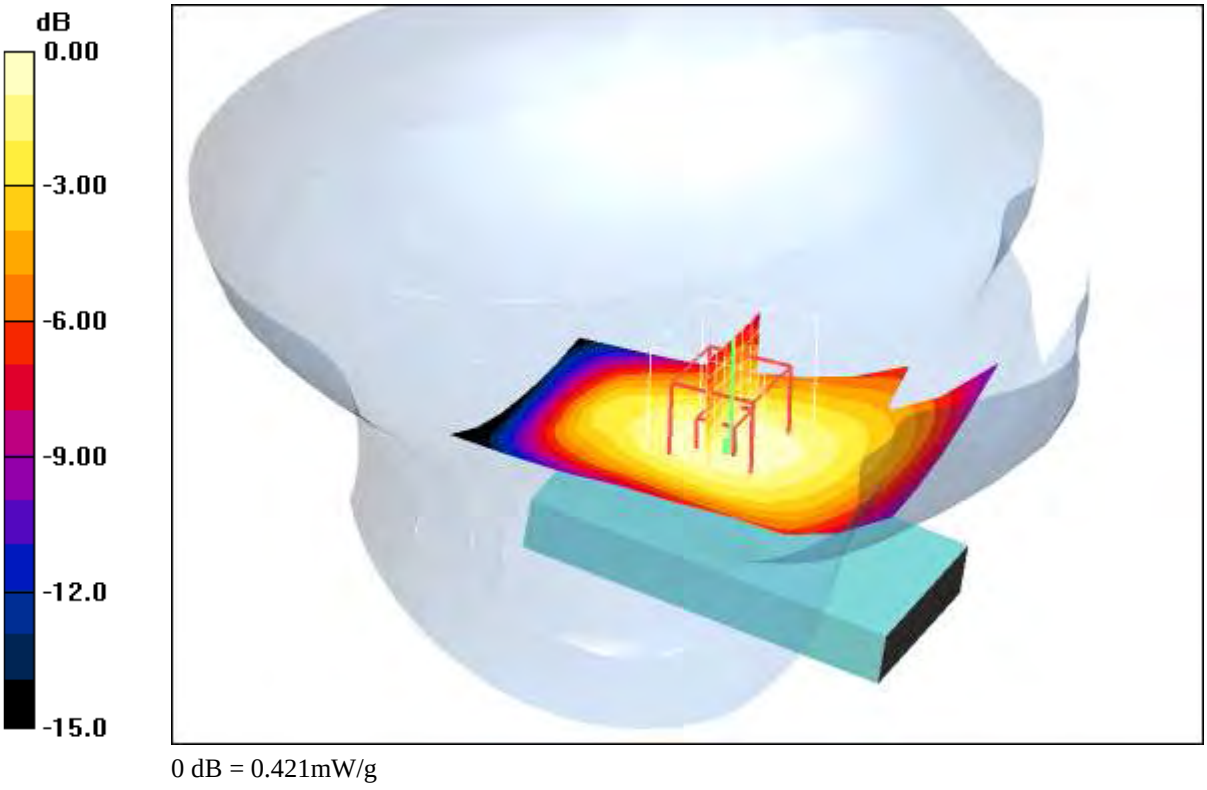
DUT: Sony Ericsson; Type: AAD-3252081-BV; Serial: CB5112VESN
Communication System: UMTS band V; Frequency: 836.4 MHz;Duty Cycle: 1:1
Medium: HSL850 Medium parameters used (interpolated): f = 836.4 MHz; σ = 0.88 mho/m; ε_r = 42.5; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:
- Probe: 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: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Tilt position - Middle/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.417 mW/g

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

Reference Value = 21.9 V/m; Power Drift = 0.080 dB
Peak SAR (extrapolated) = 0.507 W/kg
SAR(1 g) = 0.398 mW/g; SAR(10 g) = 0.290 mW/g
Maximum value of SAR (measured) = 0.421 mW/g



0 dB = 0.421mW/g

Additional information:
position or distance of DUT to SAM (if not standard head positions) :
ambient temperature: 23.0°C; liquid temperature: 22.2°C

Date/Time: 2008-09-25 17:08:42Date/Time: 2008-09-25 17:14:45

P1528_OET65-LeftHandSide-UMTS-FDD-V

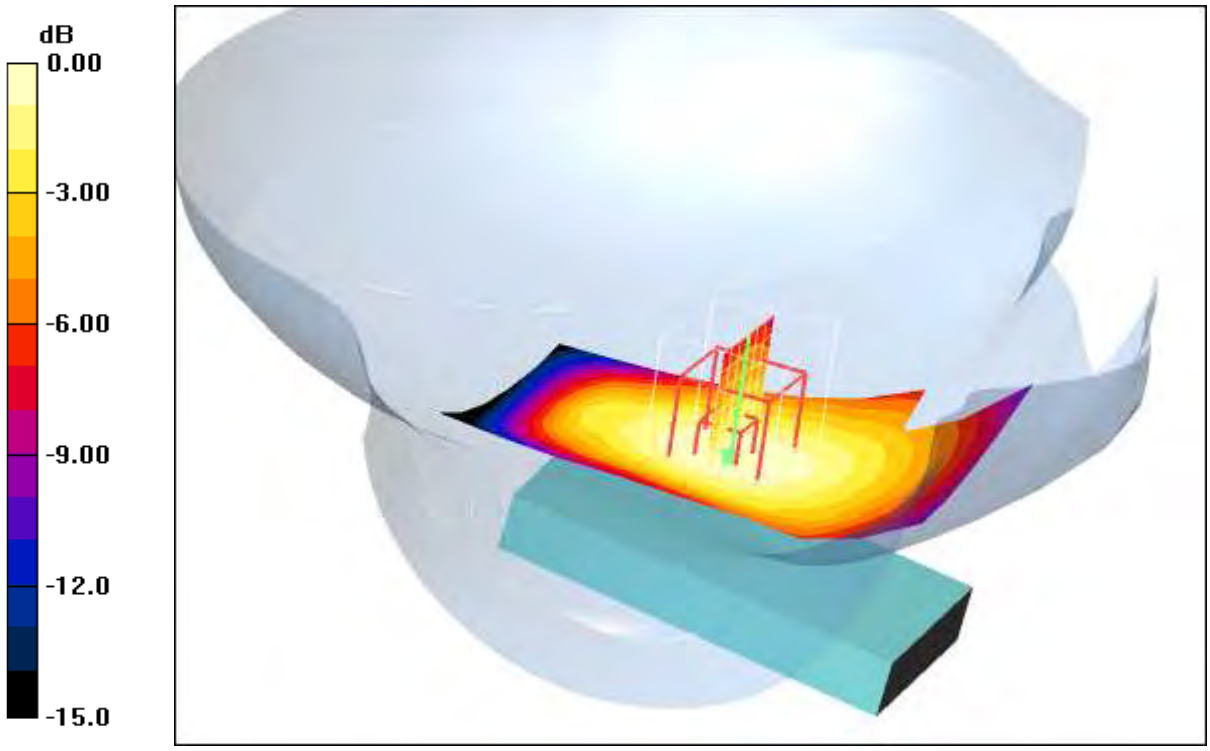
DUT: Sony Ericsson; Type: AAD-3252081-BV; Serial: CB5112VESN
Communication System: UMTS band V; Frequency: 846.6 MHz;Duty Cycle: 1:1
Medium: HSL850 Medium parameters used (interpolated): f = 846.6 MHz; σ = 0.88 mho/m; ε_r = 42.5; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:
- Probe: 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: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Tilt position - High/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

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

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

Reference Value = 19.8 V/m; Power Drift = -0.044 dB
Peak SAR (extrapolated) = 0.394 W/kg
SAR(1 g) = 0.312 mW/g; SAR(10 g) = 0.229 mW/g
Maximum value of SAR (measured) = 0.327 mW/g



0 dB = 0.327mW/g

Additional information:
position or distance of DUT to SAM (if not standard head positions) :
ambient temperature: 23.0°C; liquid temperature: 22.2°C

Date/Time: 2008-09-25 20:23:55Date/Time: 2008-09-25 20:31:38

P1528_OET65-LeftHandSide-UMTS-FDD-V open

DUT: Sony Ericsson; Type: AAD-3252081-BV; Serial: CB5112VESN

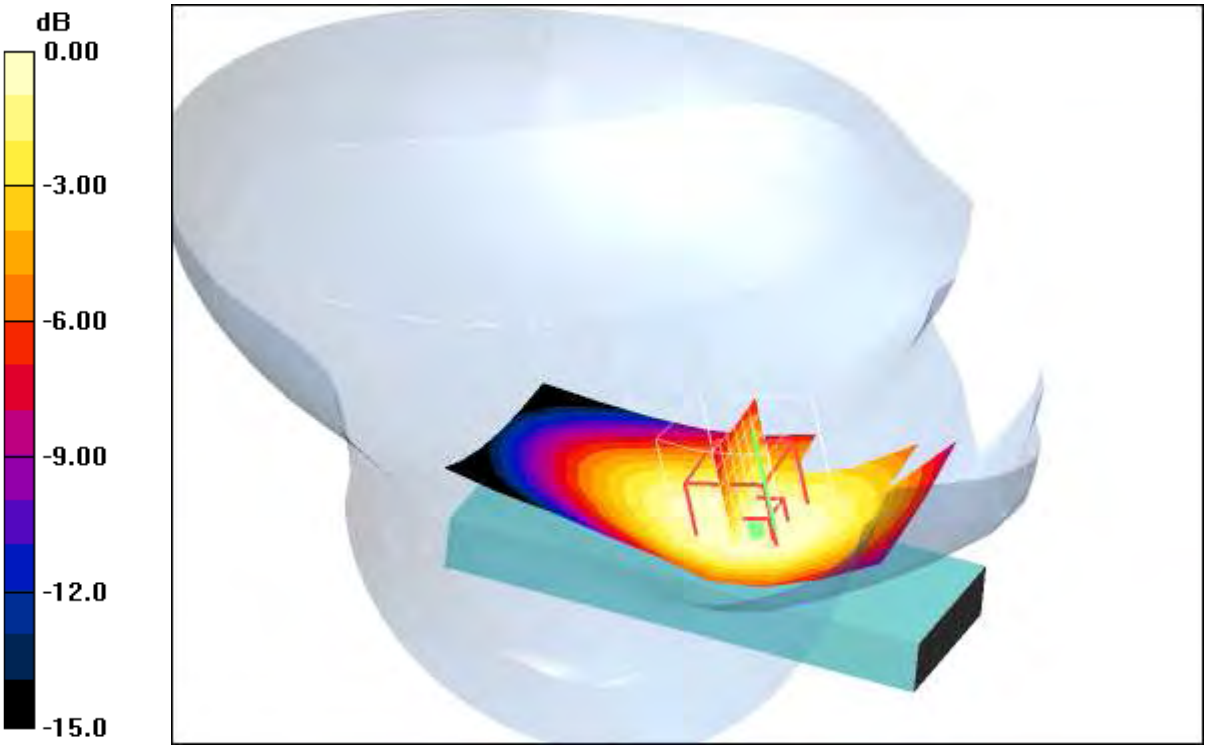
Communication System: UMTS band V; Frequency: 826.4 MHz;Duty Cycle: 1:1
Medium: HSL850 Medium parameters used (interpolated): f = 826.4 MHz; σ = 0.88 mho/m; ε_r = 42.5; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1558; ConvF(6.19, 6.19, 6.19); Calibrated: 2008-08-15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn413; Calibrated: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Touch position - Low/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

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

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

Reference Value = 26.4 V/m; Power Drift = 0.015 dB
Peak SAR (extrapolated) = 0.701 W/kg
SAR(1 g) = 0.537 mW/g; SAR(10 g) = 0.406 mW/g
Maximum value of SAR (measured) = 0.564 mW/g



0 dB = 0.564mW/g

Additional information:
position or distance of DUT to SAM (if not standard head positions) :
ambient temperature: 22.9°C; liquid temperature: 22.2°C

Date/Time: 2008-09-25 20:03:31Date/Time: 2008-09-25 20:09:26

P1528_OET65-LeftHandSide-UMTS-FDD-V open

DUT: Sony Ericsson; Type: AAD-3252081-BV; Serial: CB5112VESN

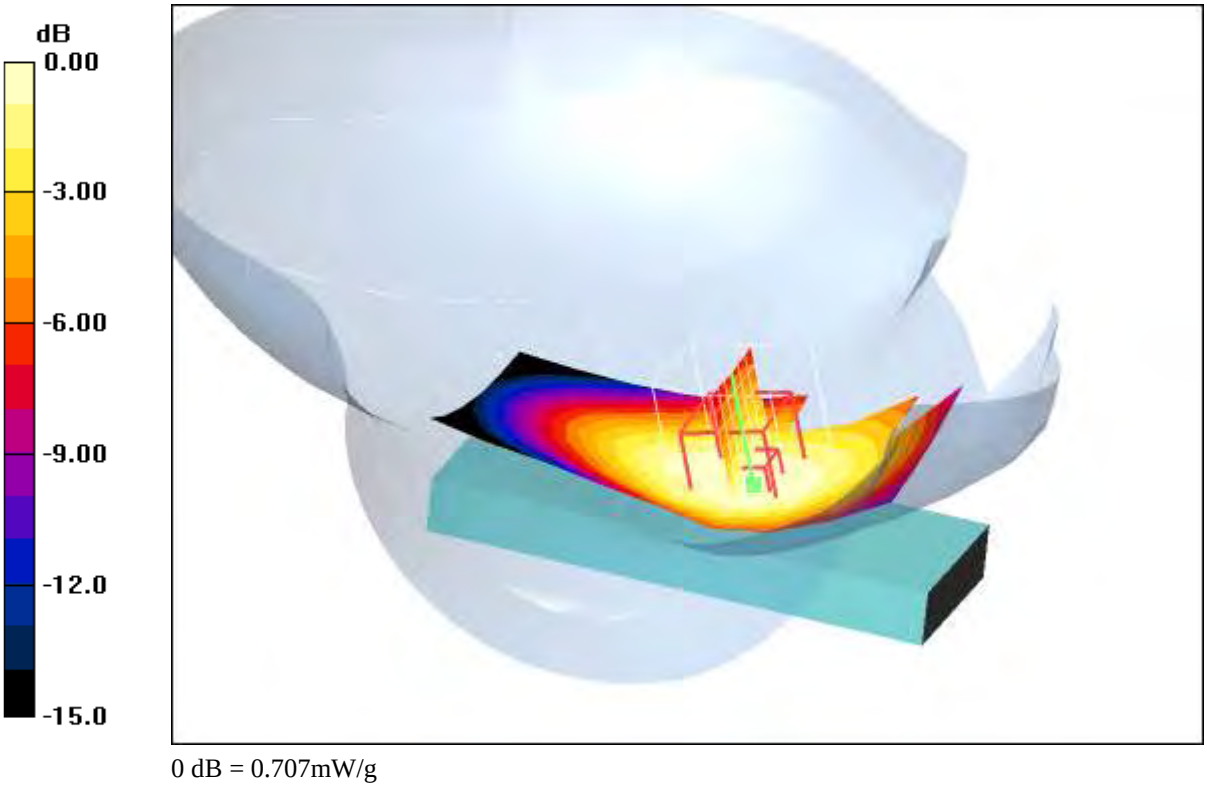
Communication System: UMTS band V; Frequency: 836.4 MHz;Duty Cycle: 1:1
Medium: HSL850 Medium parameters used (interpolated): f = 836.4 MHz; σ = 0.88 mho/m; ε_r = 42.5; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1558; ConvF(6.19, 6.19, 6.19); Calibrated: 2008-08-15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn413; Calibrated: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Touch position - Middle/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

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

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

Reference Value = 29.7 V/m; Power Drift = -0.177 dB
Peak SAR (extrapolated) = 0.876 W/kg
SAR(1 g) = 0.677 mW/g; SAR(10 g) = 0.508 mW/g
Maximum value of SAR (measured) = 0.707 mW/g



0 dB = 0.707mW/g

Additional information:
position or distance of DUT to SAM (if not standard head positions) :
ambient temperature: 22.9°C; liquid temperature: 22.2°C

Date/Time: 2008-09-25 19:42:22Date/Time: 2008-09-25 19:48:19

P1528_OET65-LeftHandSide-UMTS-FDD-V open

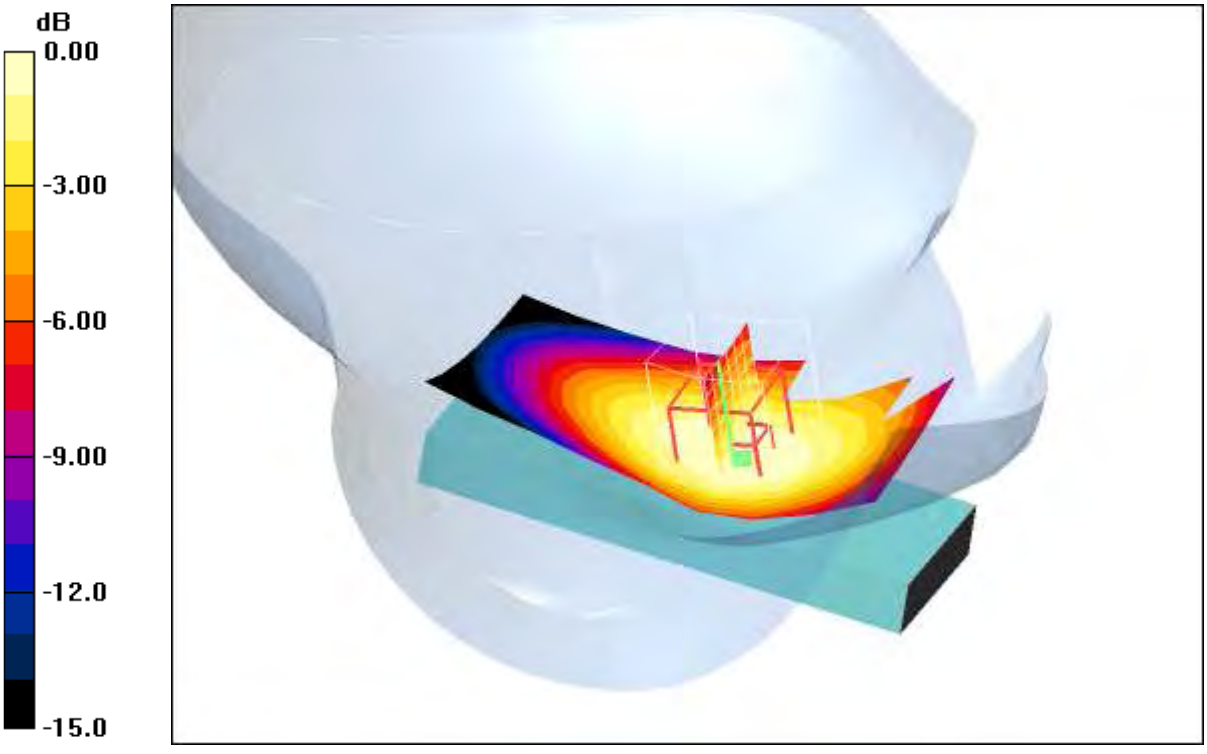
DUT: Sony Ericsson; Type: AAD-3252081-BV; Serial: CB5112VESN
Communication System: UMTS band V; Frequency: 846.6 MHz;Duty Cycle: 1:1
Medium: HSL850 Medium parameters used (interpolated): f = 846.6 MHz; σ = 0.88 mho/m; ε_r = 42.5; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:
- Probe: 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: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Touch position - High/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

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

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

Reference Value = 27.6 V/m; Power Drift = 0.032 dB
Peak SAR (extrapolated) = 0.774 W/kg
SAR(1 g) = 0.591 mW/g; SAR(10 g) = 0.445 mW/g
Maximum value of SAR (measured) = 0.618 mW/g



0 dB = 0.618mW/g

Additional information:
position or distance of DUT to SAM (if not standard head positions) :
ambient temperature: 22.9°C; liquid temperature: 22.2°C

Date/Time: 2008-09-25 18:33:12Date/Time: 2008-09-25 18:39:05

P1528_OET65-LeftHandSide-UMTS-FDD-V open

DUT: Sony Ericsson; Type: AAD-3252081-BV; Serial: CB5112VESN

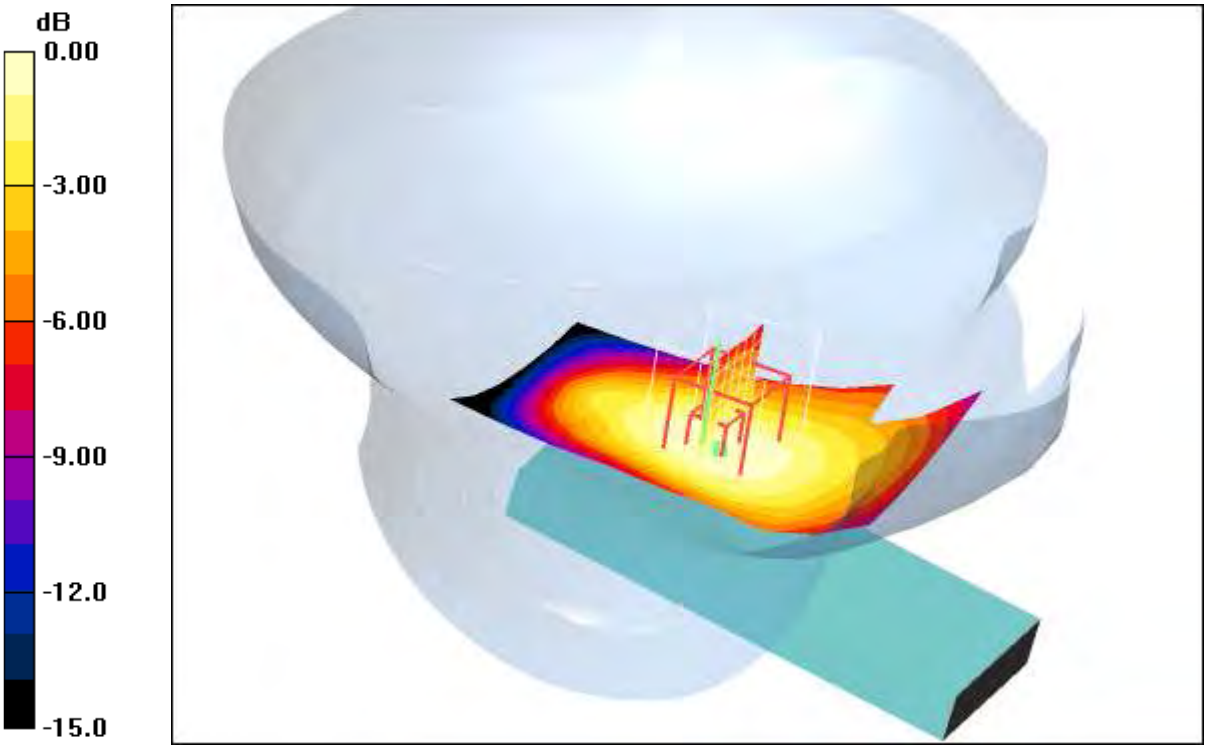
Communication System: UMTS band V; Frequency: 826.4 MHz;Duty Cycle: 1:1
Medium: HSL850 Medium parameters used (interpolated): f = 826.4 MHz; σ = 0.88 mho/m; ε_r = 42.5; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1558; ConvF(6.19, 6.19, 6.19); Calibrated: 2008-08-15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn413; Calibrated: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Tilt position - Low/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

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

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

Reference Value = 21.7 V/m; Power Drift = -0.082 dB
Peak SAR (extrapolated) = 0.495 W/kg
SAR(1 g) = 0.388 mW/g; SAR(10 g) = 0.285 mW/g
Maximum value of SAR (measured) = 0.409 mW/g



0 dB = 0.409mW/g

Additional information:
position or distance of DUT to SAM (if not standard head positions) :
ambient temperature: 22.9°C; liquid temperature: 22.2°C

Date/Time: 2008-09-25 19:00:20Date/Time: 2008-09-25 19:06:16

P1528_OET65-LeftHandSide-UMTS-FDD-V open

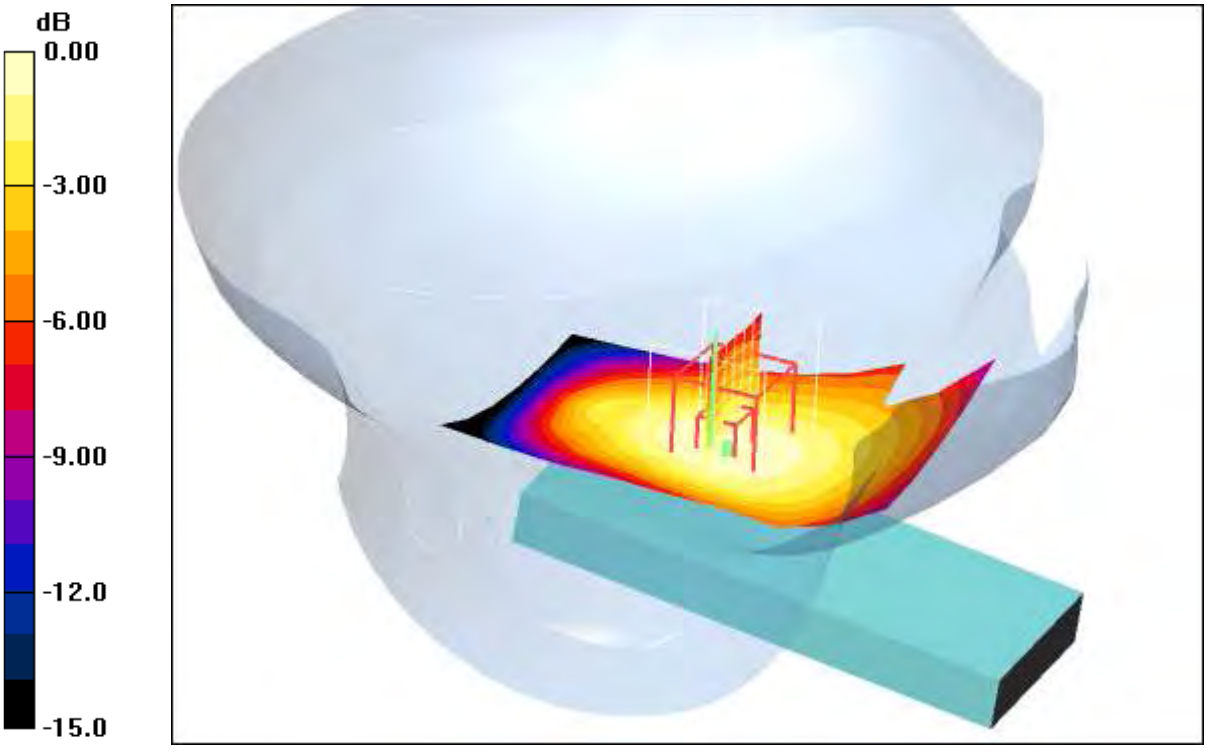
DUT: Sony Ericsson; Type: AAD-3252081-BV; Serial: CB5112VESN
Communication System: UMTS band V; Frequency: 836.4 MHz;Duty Cycle: 1:1
Medium: HSL850 Medium parameters used (interpolated): f = 836.4 MHz; σ = 0.88 mho/m; ε_r = 42.5; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:
- Probe: 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: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Tilt position - Middle/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

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

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

Reference Value = 22.5 V/m; Power Drift = -0.014 dB
Peak SAR (extrapolated) = 0.524 W/kg
SAR(1 g) = 0.417 mW/g; SAR(10 g) = 0.304 mW/g
Maximum value of SAR (measured) = 0.435 mW/g



0 dB = 0.435mW/g

Additional information:
position or distance of DUT to SAM (if not standard head positions) :
ambient temperature: 22.9°C; liquid temperature: 22.2°C

Date/Time: 2008-09-25 19:18:58Date/Time: 2008-09-25 19:25:06

P1528_OET65-LeftHandSide-UMTS-FDD-V open

DUT: Sony Ericsson; Type: AAD-3252081-BV; Serial: CB5112VESN

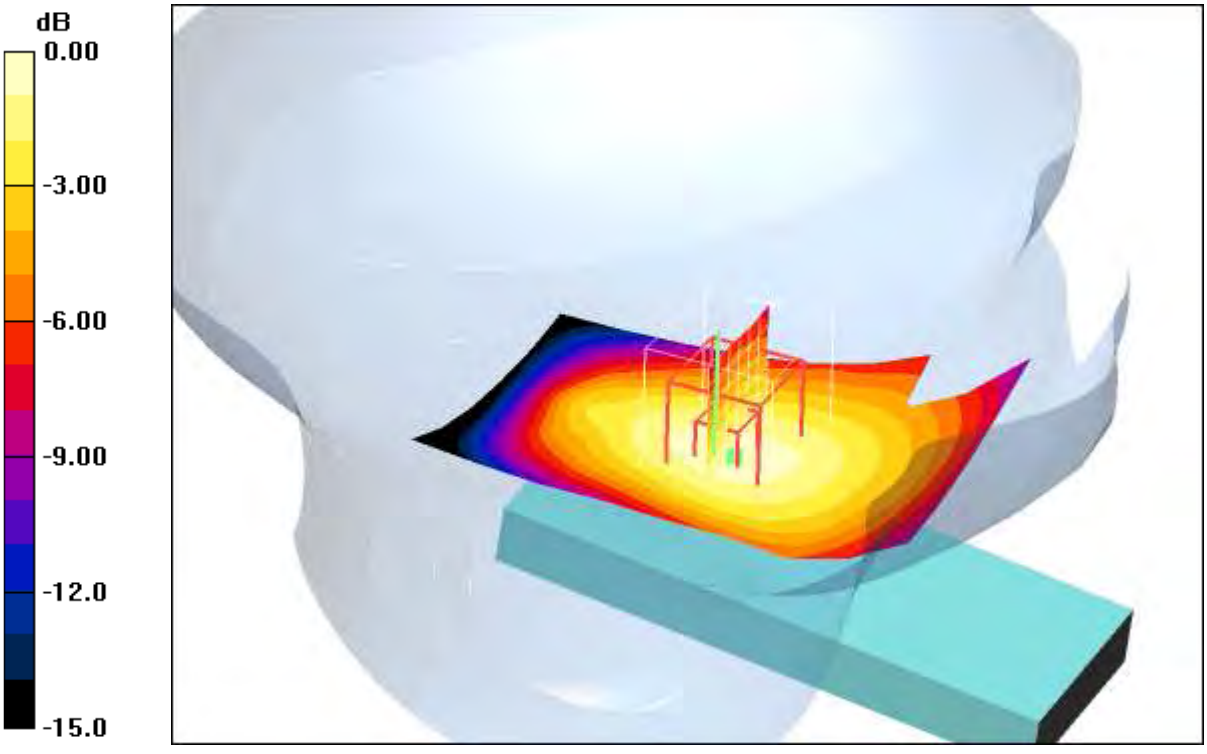
Communication System: UMTS band V; Frequency: 846.6 MHz;Duty Cycle: 1:1
Medium: HSL850 Medium parameters used (interpolated): f = 846.6 MHz; σ = 0.88 mho/m; ε_r = 42.5; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1558; ConvF(6.19, 6.19, 6.19); Calibrated: 2008-08-15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn413; Calibrated: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Tilt position - High/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

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

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

Reference Value = 21.9 V/m; Power Drift = -0.100 dB
Peak SAR (extrapolated) = 0.499 W/kg
SAR(1 g) = 0.392 mW/g; SAR(10 g) = 0.286 mW/g
Maximum value of SAR (measured) = 0.411 mW/g



0 dB = 0.411mW/g

Additional information:
position or distance of DUT to SAM (if not standard head positions) :
ambient temperature: 22.9°C; liquid temperature: 22.2°C

Date/Time: 2008-09-25 10:12:50Date/Time: 2008-09-25 10:18:04

P1528_OET65-RightHandSide-UMTS-FDD-V

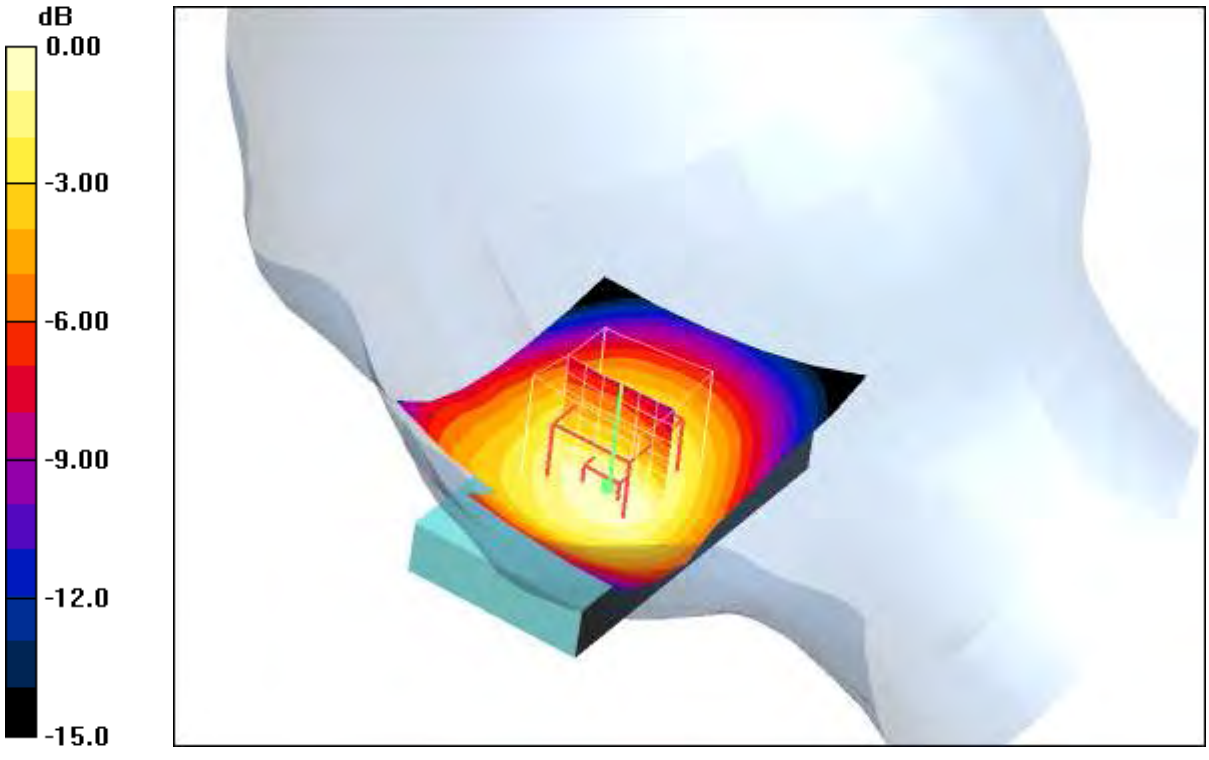
DUT: Sony Ericsson; Type: AAD-3252081-BV; Serial: CB5112VESN
Communication System: UMTS band V; Frequency: 826.4 MHz; Duty Cycle: 1:1
Medium: HSL850 Medium parameters used (interpolated): f = 826.4 MHz; σ = 0.88 mho/m; ε_r = 42.5; ρ = 1000 kg/m^3
Phantom section: Right Section
DASY4 Configuration:
- 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: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

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

Maximum value of SAR (interpolated) = 0.608 mW/g

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

Reference Value = 27.1 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.743 W/kg
SAR(1 g) = 0.549 mW/g; SAR(10 g) = 0.390 mW/g
Maximum value of SAR (measured) = 0.596 mW/g



0 dB = 0.596mW/g

Additional information:
position or distance of DUT to SAM (if not standard head positions) :
ambient temperature: 22.9°C; liquid temperature: 22.2°C

Date/Time: 2008-09-25 10:41:56Date/Time: 2008-09-25 10:47:16

P1528_OET65-RightHandSide-UMTS-FDD-V

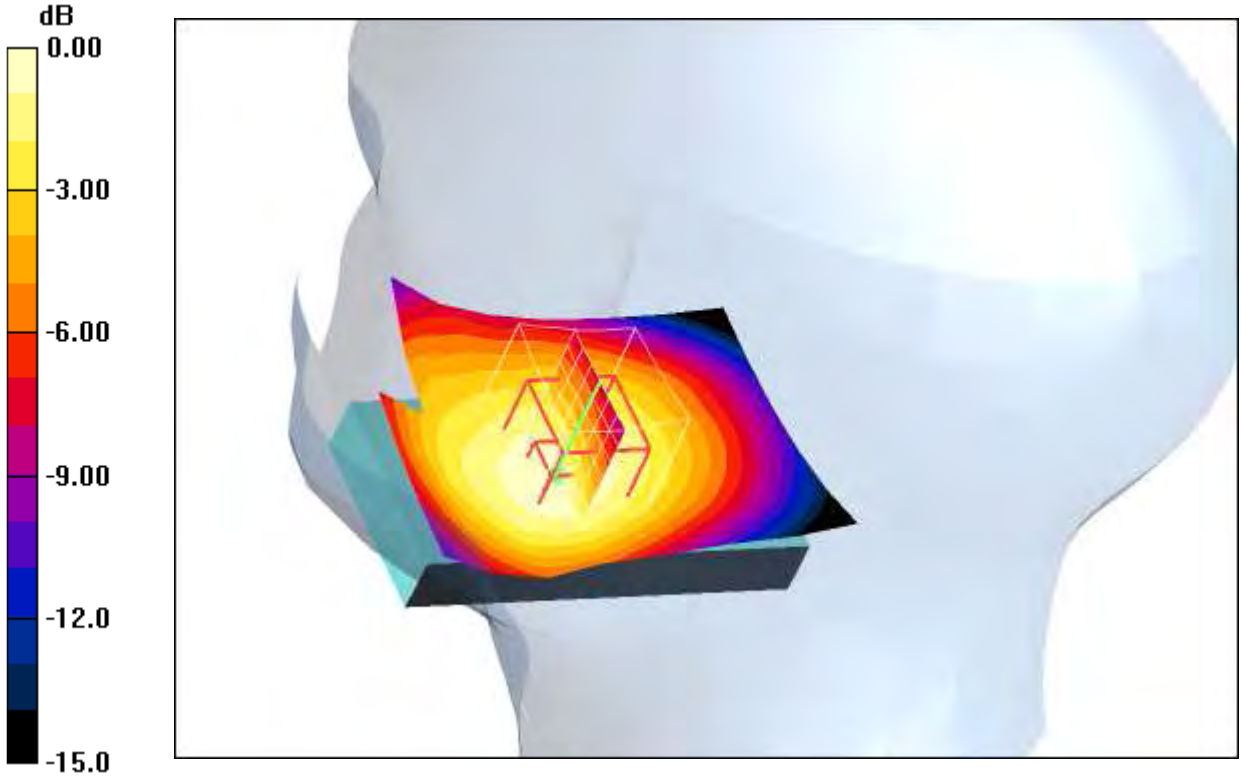
DUT: Sony Ericsson; Type: AAD-3252081-BV; Serial: CB5112VESN
Communication System: UMTS band V; Frequency: 836.4 MHz; Duty Cycle: 1:1
Medium: HSL850 Medium parameters used (interpolated): f = 836.4 MHz; σ = 0.88 mho/m; ε_r = 42.5; ρ = 1000 kg/m^3
Phantom section: Right Section
DASY4 Configuration:
- 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: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

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

Maximum value of SAR (interpolated) = 0.777 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 = 0.089 dB
Peak SAR (extrapolated) = 0.955 W/kg
SAR(1 g) = 0.709 mW/g; SAR(10 g) = 0.503 mW/g
Maximum value of SAR (measured) = 0.765 mW/g



0 dB = 0.765mW/g

Additional information:
position or distance of DUT to SAM (if not standard head positions) :
ambient temperature: 22.9°C; liquid temperature: 22.2°C

Date/Time: 2008-09-25 11:02:51Date/Time: 2008-09-25 11:08:14

P1528_OET65-RightHandSide-UMTS-FDD-V

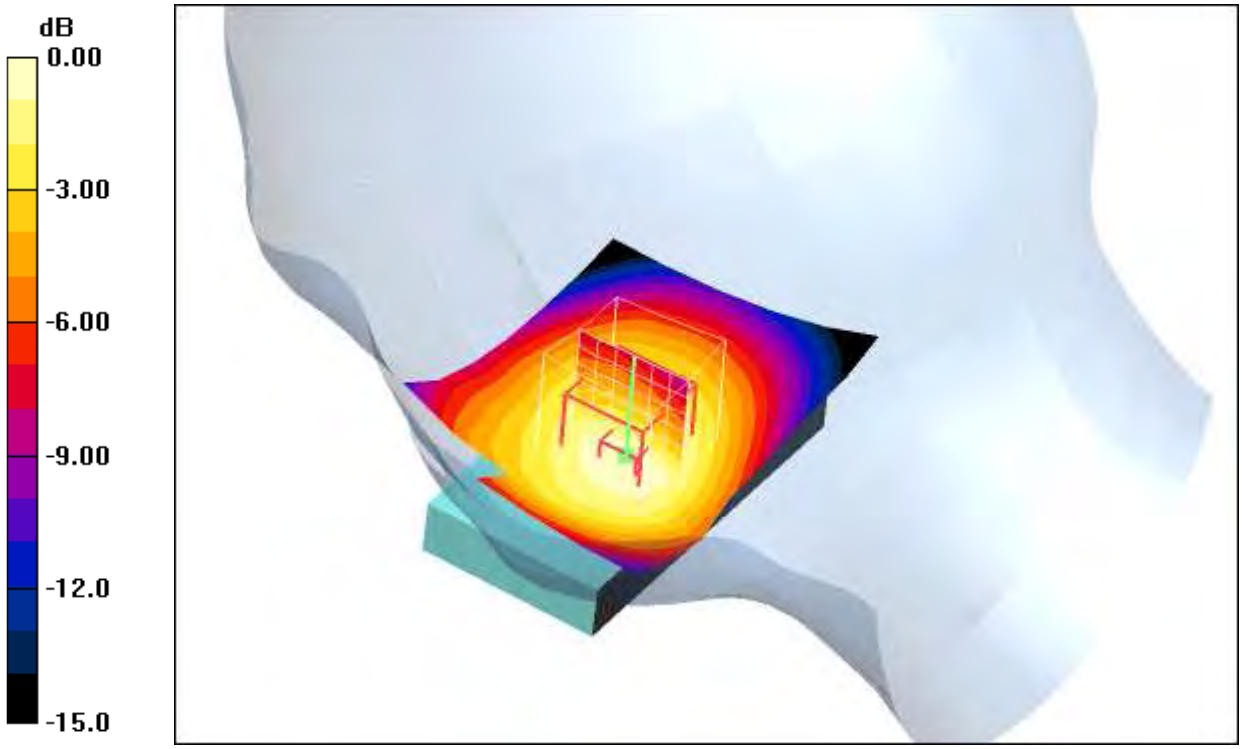
DUT: Sony Ericsson; Type: AAD-3252081-BV; Serial: CB5112VESN
Communication System: UMTS band V; Frequency: 846.6 MHz; Duty Cycle: 1:1
Medium: HSL850 Medium parameters used (interpolated): f = 846.6 MHz; σ = 0.88 mho/m; ε_r = 42.5; ρ = 1000 kg/m^3
Phantom section: Right Section
DASY4 Configuration:
- 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: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

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

Maximum value of SAR (interpolated) = 0.638 mW/g

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

Reference Value = 27.8 V/m; Power Drift = -0.031 dB
Peak SAR (extrapolated) = 0.789 W/kg
SAR(1 g) = 0.581 mW/g; SAR(10 g) = 0.412 mW/g
Maximum value of SAR (measured) = 0.628 mW/g



0 dB = 0.628mW/g

Additional information:
position or distance of DUT to SAM (if not standard head positions) :
ambient temperature: 22.9°C; liquid temperature: 22.2°C

Date/Time: 2008-09-25 12:32:06Date/Time: 2008-09-25 12:38:15Date/Time: 2008-09-25 12:49:43

P1528_OET65-RightHandSide-UMTS-FDD-V

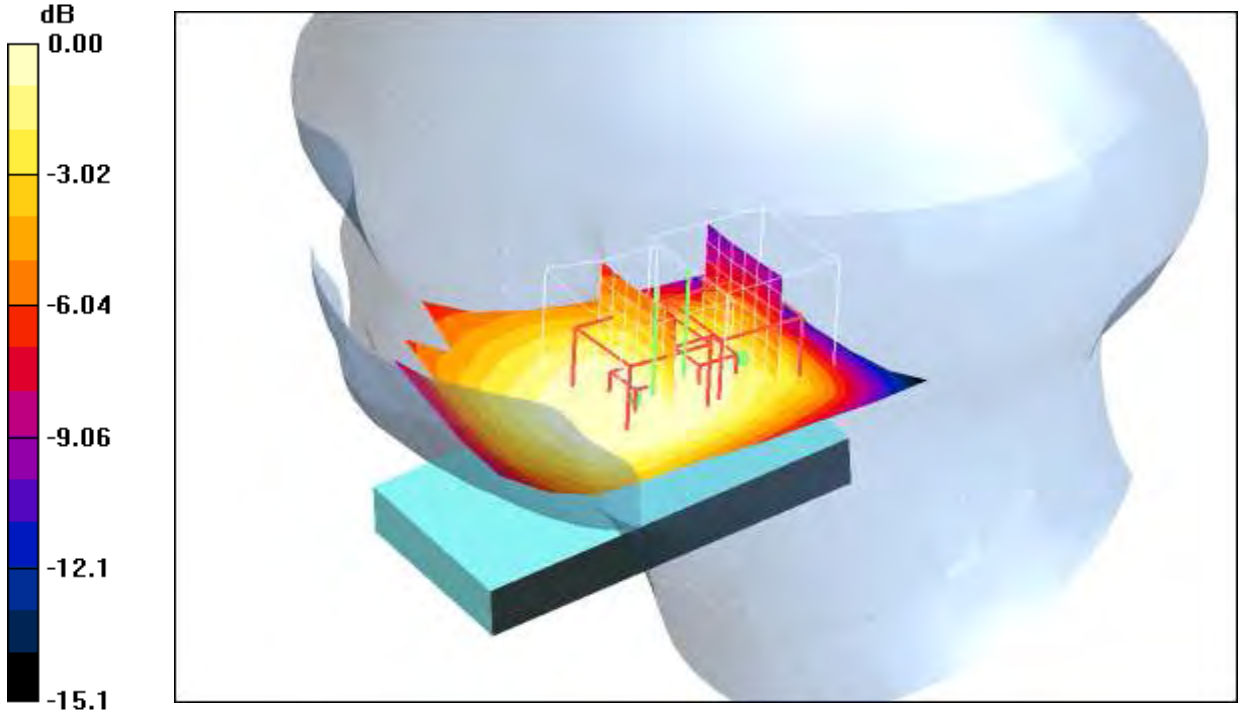
DUT: Sony Ericsson; Type: AAD-3252081-BV; Serial: CB5112VESN

Communication System: UMTS band V; Frequency: 826.4 MHz; Duty Cycle: 1:1
Medium: HSL850 Medium parameters used (interpolated): f = 826.4 MHz; σ = 0.88 mho/m; ε_r = 42.5; 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: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Tilt position - Low/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.272 mW/g

Tilt position - Low/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 17.8 V/m; Power Drift = -0.015 dB
Peak SAR (extrapolated) = 0.324 W/kg
SAR(1 g) = 0.257 mW/g; SAR(10 g) = 0.189 mW/g
Maximum value of SAR (measured) = 0.271 mW/g

Tilt position - Low/Zoom Scan (7x7x7) (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 17.8 V/m; Power Drift = -0.015 dB
Peak SAR (extrapolated) = 0.274 W/kg
SAR(1 g) = 0.191 mW/g; SAR(10 g) = 0.123 mW/g
Maximum value of SAR (measured) = 0.229 mW/g



0 dB = 0.229mW/g

Additional information:
position or distance of DUT to SAM (if not standard head positions) :
ambient temperature: 22.9°C; liquid temperature: 22.2°C

Date/Time: 2008-09-25 11:58:34Date/Time: 2008-09-25 12:04:37Date/Time: 2008-09-25 12:16:05

P1528_OET65-RightHandSide-UMTS-FDD-V

DUT: Sony Ericsson; Type: AAD-3252081-BV; Serial: CB5112VESN

Communication System: UMTS band V; Frequency: 836.4 MHz; Duty Cycle: 1:1

Medium: HSL850 Medium parameters used (interpolated): f = 836.4 MHz; σ = 0.88 mho/m; ε_r = 42.5; 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: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Tilt position - Middle/Area Scan (51x81x1):

Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.401 mW/g

Tilt position - Middle/Zoom Scan (7x7x7) (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 21.8 V/m; Power Drift = -0.082 dB

Peak SAR (extrapolated) = 0.491 W/kg

SAR(1 g) = 0.390 mW/g; SAR(10 g) = 0.285 mW/g

Maximum value of SAR (measured) = 0.411 mW/g

Tilt position - Middle/Zoom Scan (7x7x7) (7x7x7)/Cube 1:

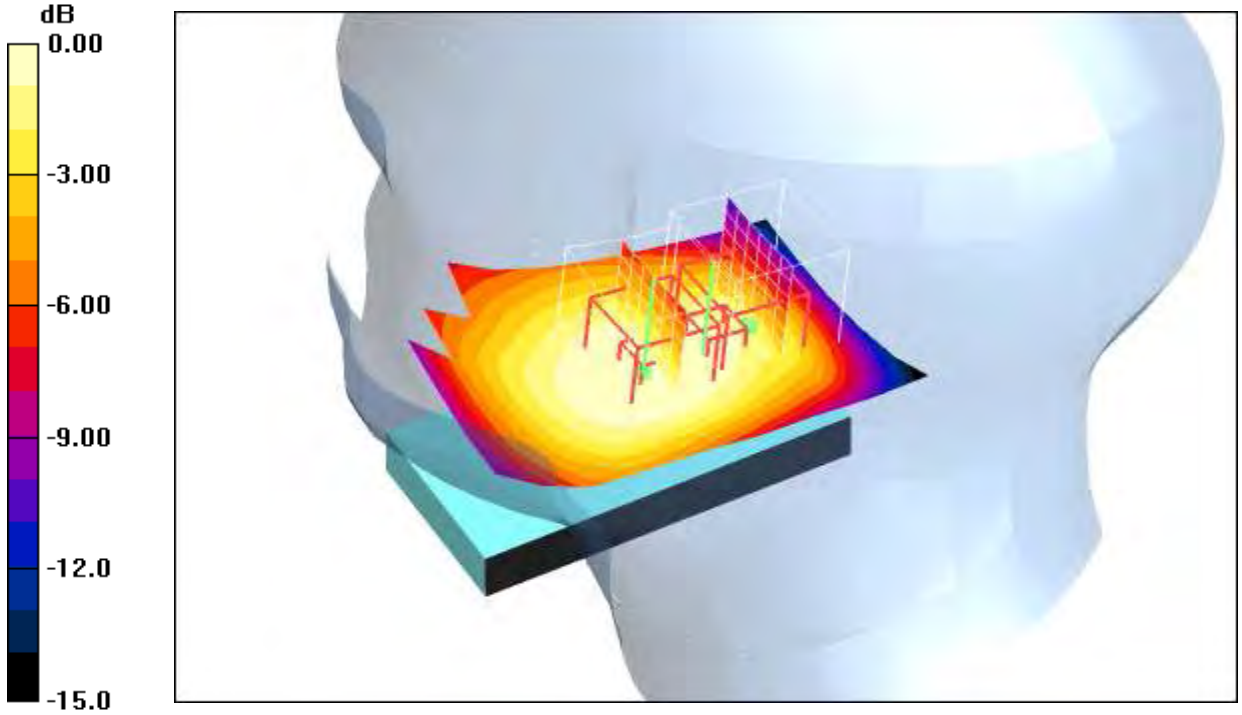
Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 21.8 V/m; Power Drift = -0.082 dB

Peak SAR (extrapolated) = 0.417 W/kg

SAR(1 g) = 0.292 mW/g; SAR(10 g) = 0.182 mW/g

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



0 dB = 0.348mW/g

Additional information:

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

ambient temperature: 22.9°C; liquid temperature: 22.2°C

Date/Time: 2008-09-25 11:27:43Date/Time: 2008-09-25 11:33:40Date/Time: 2008-09-25 11:45:08

P1528_OET65-RightHandSide-UMTS-FDD-V

DUT: Sony Ericsson; Type: AAD-3252081-BV; Serial: CB5112VESN

Communication System: UMTS band V; Frequency: 846.6 MHz; Duty Cycle: 1:1

Medium: HSL850 Medium parameters used (interpolated): f = 846.6 MHz; σ = 0.88 mho/m; ε_r = 42.5; 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: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Tilt position - High/Area Scan (51x81x1):

Measurement grid: dx=15mm, dy=15mm

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

Tilt position - High/Zoom Scan (7x7x7) (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 19.5 V/m; Power Drift = 0.014 dB

Peak SAR (extrapolated) = 0.399 W/kg

SAR(1 g) = 0.316 mW/g; SAR(10 g) = 0.231 mW/g

Maximum value of SAR (measured) = 0.333 mW/g

Tilt position - High/Zoom Scan (7x7x7) (7x7x7)/Cube 1:

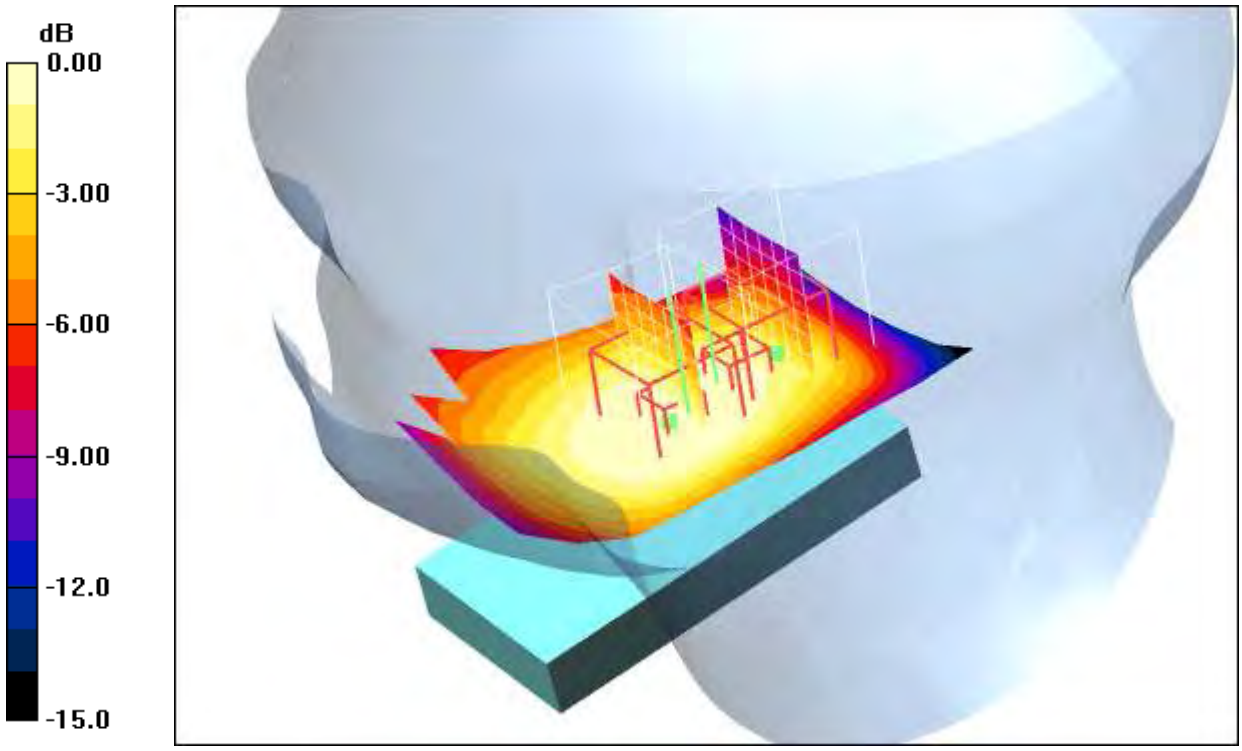
Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 19.5 V/m; Power Drift = 0.014 dB

Peak SAR (extrapolated) = 0.339 W/kg

SAR(1 g) = 0.235 mW/g; SAR(10 g) = 0.146 mW/g

Maximum value of SAR (measured) = 0.282 mW/g



0 dB = 0.282mW/g

Additional information:

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

ambient temperature: 22.9°C; liquid temperature: 22.2°C

Date/Time: 2008-09-25 15:34:46Date/Time: 2008-09-25 15:40:52

P1528_OET65-RightHandSide-UMTS-FDD-V open

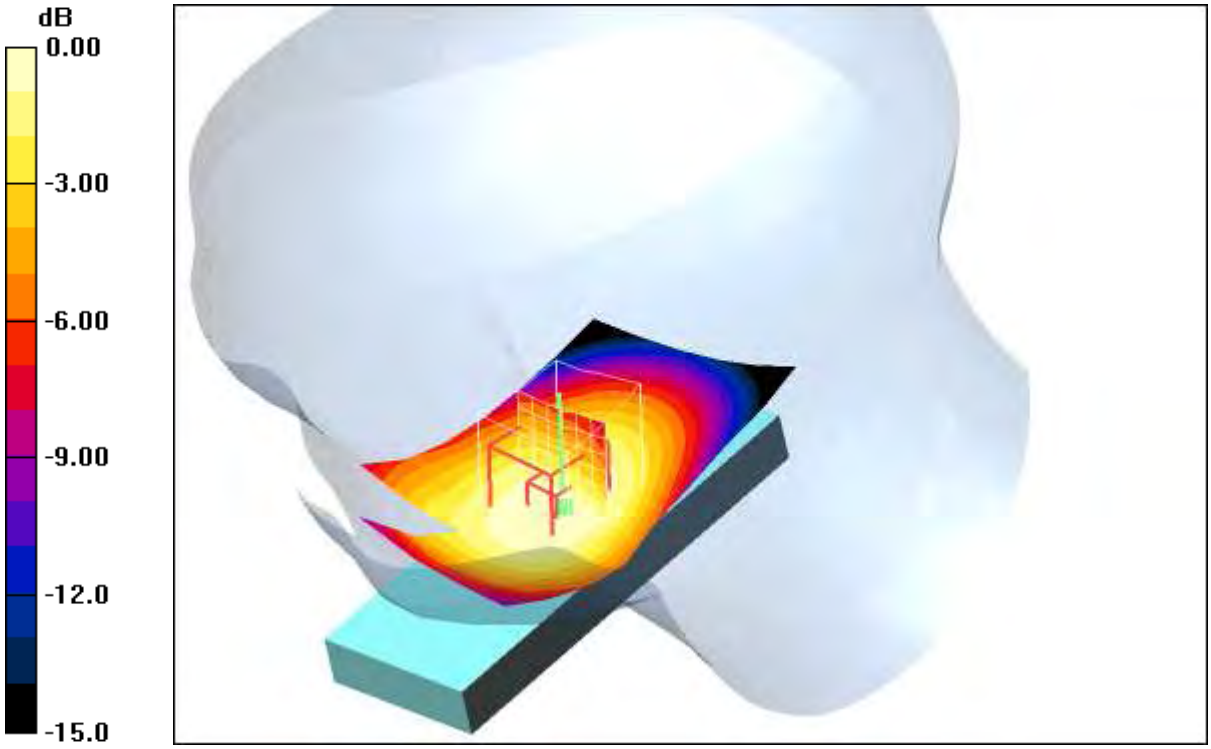
DUT: Sony Ericsson; Type: AAD-3252081-BV; Serial: CB5112VESN
Communication System: UMTS band V; Frequency: 826.4 MHz;Duty Cycle: 1:1
Medium: HSL850 Medium parameters used (interpolated): f = 826.4 MHz; σ = 0.88 mho/m; ε_r = 42.5; ρ = 1000 kg/m^3
Phantom section: Right Section
DASY4 Configuration:
- Probe: 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: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Touch position - Low/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.599 mW/g

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

Reference Value = 26.7 V/m; Power Drift = -0.124 dB
Peak SAR (extrapolated) = 0.657 W/kg
SAR(1 g) = 0.535 mW/g; SAR(10 g) = 0.406 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: 22.9°C; liquid temperature: 22.2°C

Date/Time: 2008-09-25 15:13:11Date/Time: 2008-09-25 15:19:08

P1528_OET65-RightHandSide-UMTS-FDD-V open

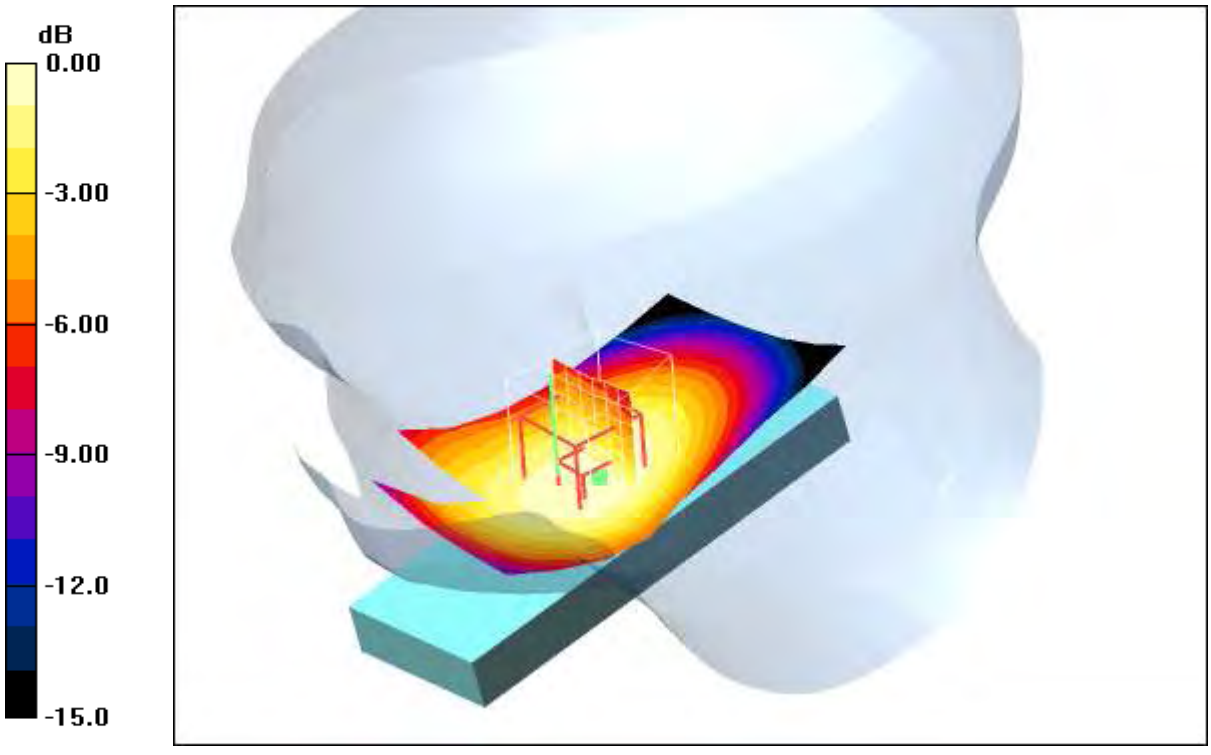
DUT: Sony Ericsson; Type: AAD-3252081-BV; Serial: CB5112VESN
Communication System: UMTS band V; Frequency: 836.4 MHz;Duty Cycle: 1:1
Medium: HSL850 Medium parameters used (interpolated): f = 836.4 MHz; σ = 0.88 mho/m; ε_r = 42.5; ρ = 1000 kg/m^3
Phantom section: Right Section
DASY4 Configuration:
- Probe: 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: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Touch position - Middle/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.736 mW/g

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

Reference Value = 29.8 V/m; Power Drift = -0.079 dB
Peak SAR (extrapolated) = 0.840 W/kg
SAR(1 g) = 0.673 mW/g; SAR(10 g) = 0.515 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: 22.9°C; liquid temperature: 22.2°C

Date/Time: 2008-09-25 14:51:09Date/Time: 2008-09-25 14:57:28

P1528_OET65-RightHandSide-UMTS-FDD-V open

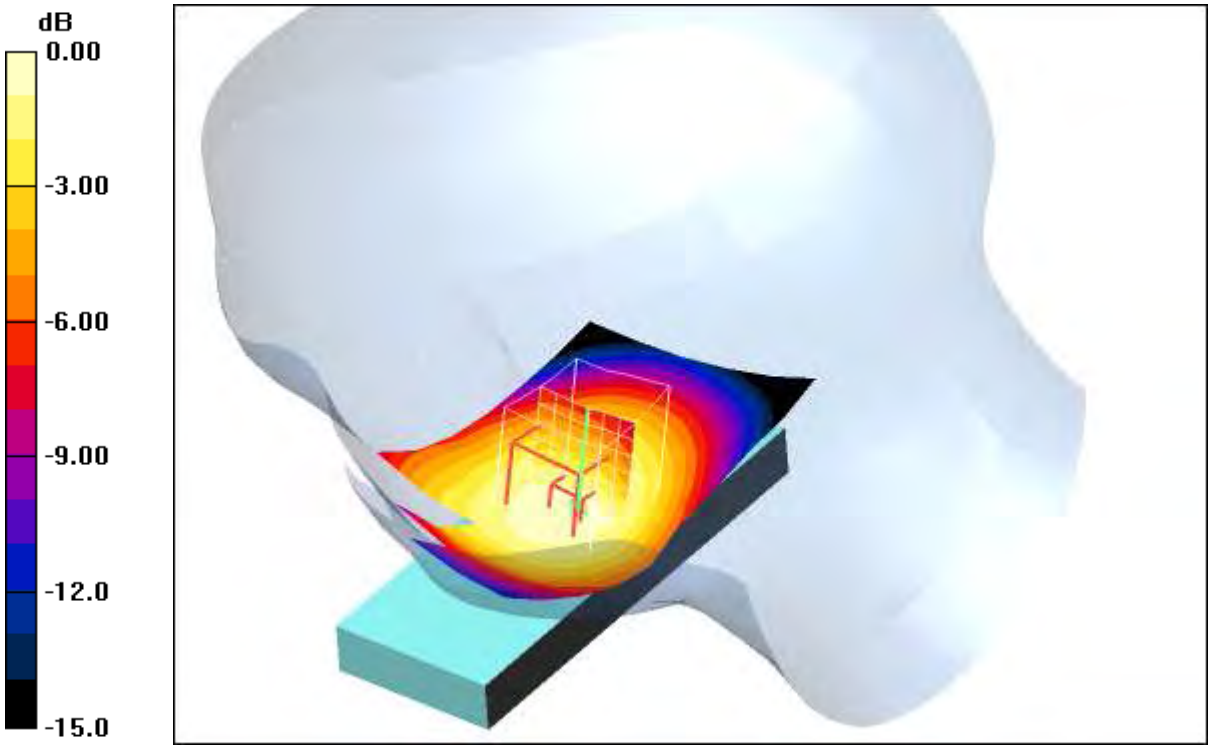
DUT: Sony Ericsson; Type: AAD-3252081-BV; Serial: CB5112VESN
Communication System: UMTS band V; Frequency: 846.6 MHz;Duty Cycle: 1:1
Medium: HSL850 Medium parameters used (interpolated): f = 846.6 MHz; σ = 0.88 mho/m; ε_r = 42.5; ρ = 1000 kg/m^3
Phantom section: Right Section
DASY4 Configuration:
- Probe: 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: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Touch position - High/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm

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

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

Reference Value = 25.5 V/m; Power Drift = 0.018 dB
Peak SAR (extrapolated) = 0.630 W/kg
SAR(1 g) = 0.492 mW/g; SAR(10 g) = 0.366 mW/g
Maximum value of SAR (measured) = 0.519 mW/g



0 dB = 0.519mW/g

Additional information:
position or distance of DUT to SAM (if not standard head positions) :
ambient temperature: 22.9°C; liquid temperature: 22.2°C

Date/Time: 2008-09-25 13:05:59Date/Time: 2008-09-25 13:13:14Date/Time: 2008-09-25 13:26:43

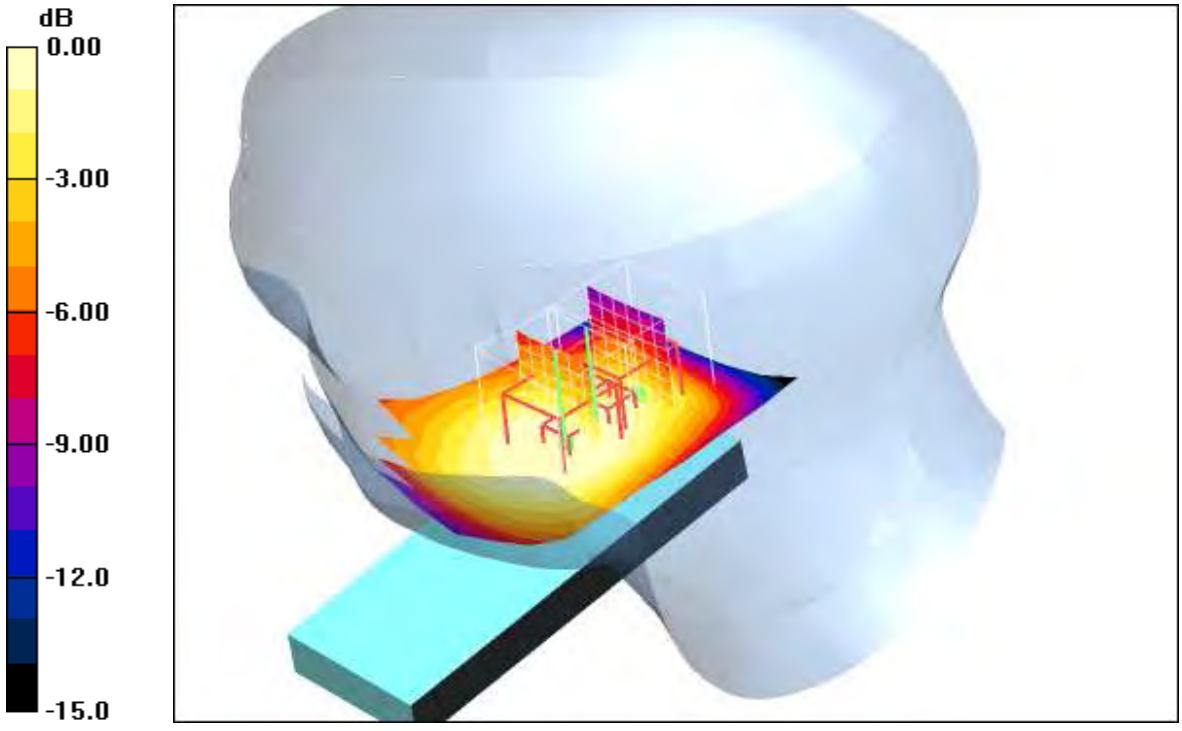
P1528_OET65-RightHandSide-UMTS-FDD-V open

DUT: Sony Ericsson; Type: AAD-3252081-BV; Serial: CB5112VESN
Communication System: UMTS band V; Frequency: 826.4 MHz;Duty Cycle: 1:1
Medium: HSL850 Medium parameters used (interpolated): f = 826.4 MHz; σ = 0.88 mho/m; ε_r = 42.5; 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: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Tilt position - Low/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.391 mW/g

Tilt position - Low/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 21.1 V/m; Power Drift = 0.118 dB
Peak SAR (extrapolated) = 0.473 W/kg
SAR(1 g) = 0.372 mW/g; SAR(10 g) = 0.274 mW/g
Maximum value of SAR (measured) = 0.393 mW/g

Tilt position - Low/Zoom Scan (7x7x7) (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 21.1 V/m; Power Drift = 0.118 dB
Peak SAR (extrapolated) = 0.418 W/kg
SAR(1 g) = 0.293 mW/g; SAR(10 g) = 0.184 mW/g
Maximum value of SAR (measured) = 0.348 mW/g



0 dB = 0.348mW/g

Additional information:
position or distance of DUT to SAM (if not standard head positions) :
ambient temperature: 22.9°C; liquid temperature: 22.2°C

Date/Time: 2008-09-25 13:40:55Date/Time: 2008-09-25 13:47:21

P1528_OET65-RightHandSide-UMTS-FDD-V open

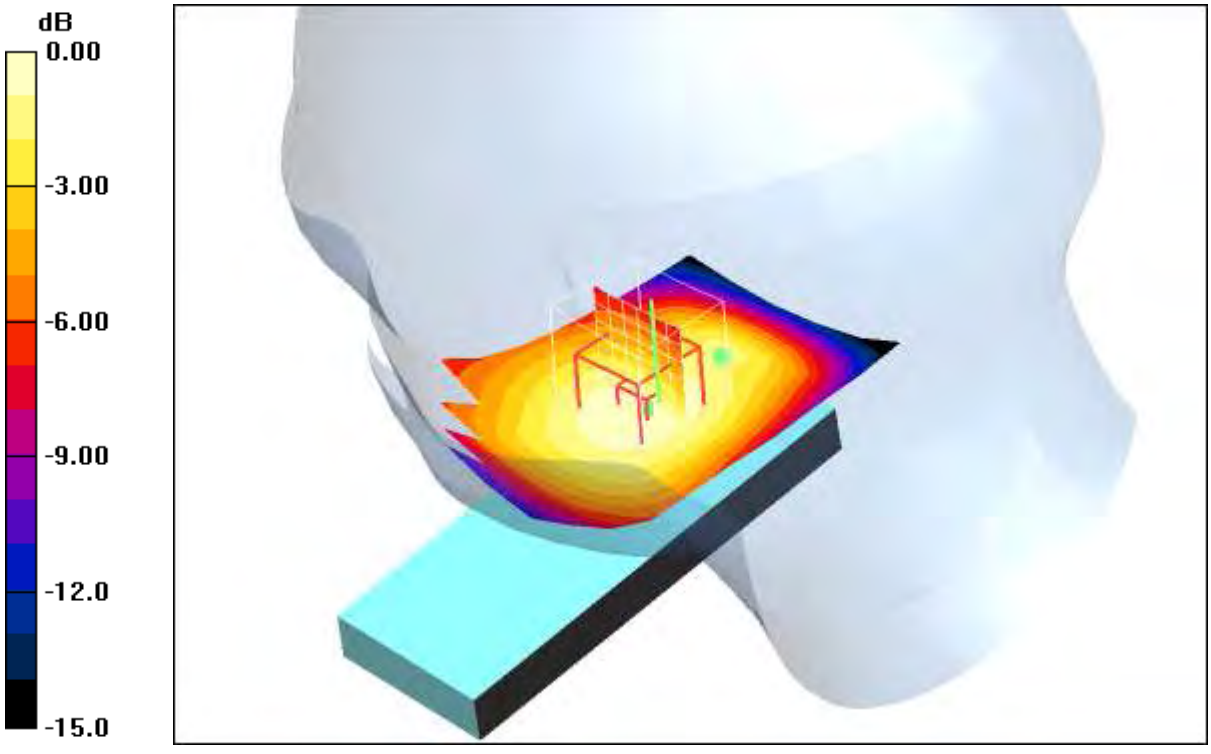
DUT: Sony Ericsson; Type: AAD-3252081-BV; Serial: CB5112VESN
Communication System: UMTS band V; Frequency: 836.4 MHz; Duty Cycle: 1:1
Medium: HSL850 Medium parameters used (interpolated): f = 836.4 MHz; σ = 0.88 mho/m; ε_r = 42.5; ρ = 1000 kg/m^3
Phantom section: Right Section
DASY4 Configuration:
- 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: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

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

Maximum value of SAR (interpolated) = 0.461 mW/g

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

Reference Value = 23.2 V/m; Power Drift = -0.114 dB
Peak SAR (extrapolated) = 0.558 W/kg
SAR(1 g) = 0.434 mW/g; SAR(10 g) = 0.320 mW/g
Maximum value of SAR (measured) = 0.461 mW/g



0 dB = 0.461mW/g

Additional information:
position or distance of DUT to SAM (if not standard head positions) :
ambient temperature: 22.9°C; liquid temperature: 22.2°C

Date/Time: 2008-09-25 14:16:28Date/Time: 2008-09-25 14:22:51Date/Time: 2008-09-25 14:34:34

P1528_OET65-RightHandSide-UMTS-FDD-V open

DUT: Sony Ericsson; Type: AAD-3252081-BV; Serial: CB5112VESN
Communication System: UMTS band V; Frequency: 846.6 MHz;Duty Cycle: 1:1
Medium: HSL850 Medium parameters used (interpolated): f = 846.6 MHz; σ = 0.88 mho/m; ε_r = 42.5; 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: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Tilt position - High/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm

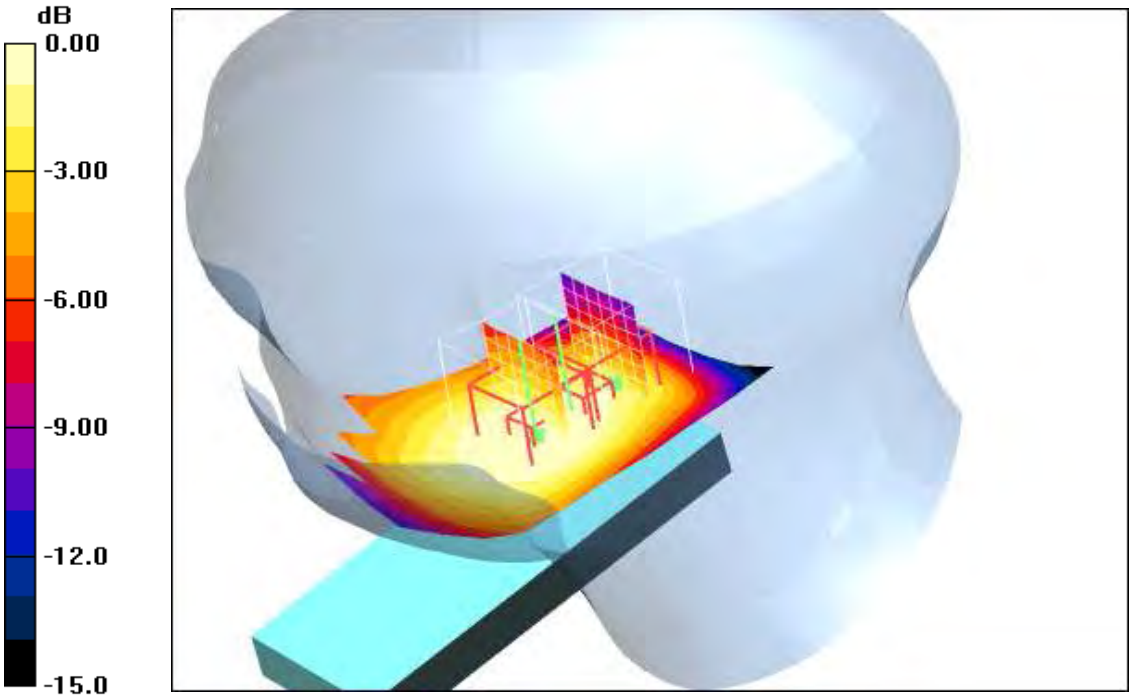
Maximum value of SAR (interpolated) = 0.355 mW/g

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

Reference Value = 20.4 V/m; Power Drift = 0.038 dB
Peak SAR (extrapolated) = 0.432 W/kg
SAR(1 g) = 0.341 mW/g; SAR(10 g) = 0.250 mW/g
Maximum value of SAR (measured) = 0.359 mW/g

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

Reference Value = 20.4 V/m; Power Drift = 0.038 dB
Peak SAR (extrapolated) = 0.372 W/kg
SAR(1 g) = 0.256 mW/g; SAR(10 g) = 0.164 mW/g
Maximum value of SAR (measured) = 0.310 mW/g



0 dB = 0.310mW/g

Additional information:
position or distance of DUT to SAM (if not standard head positions) :
ambient temperature: 22.9°C; liquid temperature: 22.2°C

Annex 2.6 UMTS (WCDMA) FDD V body

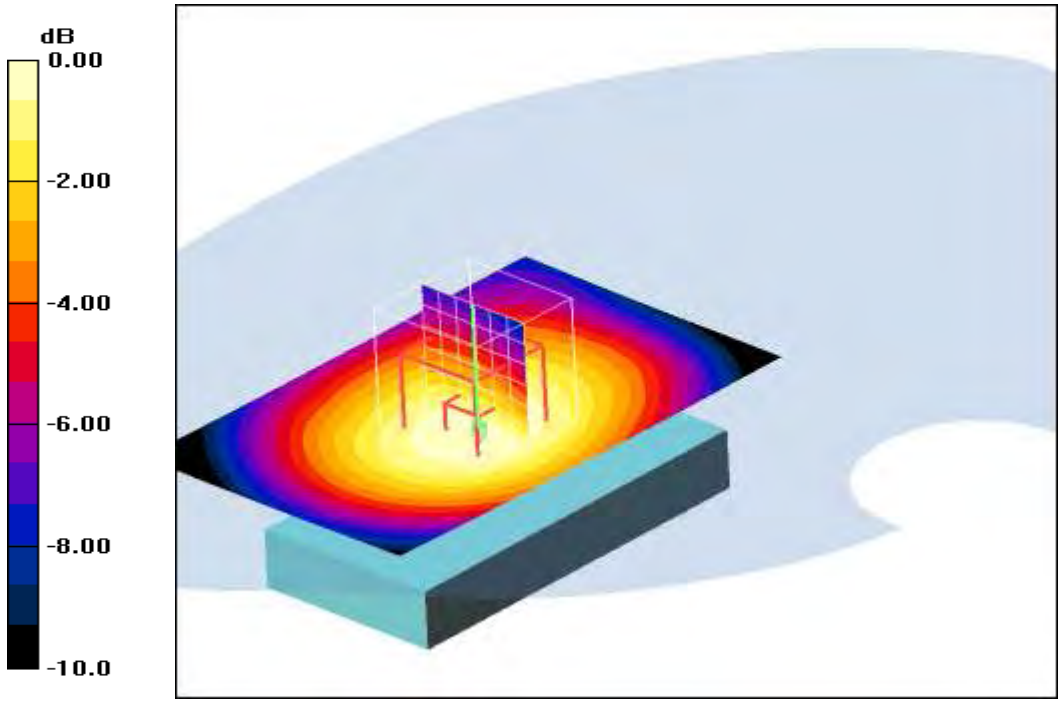
Date/Time: 2008-09-19 14:02:53Date/Time: 2008-09-19 14:09:10

P1528_OET65-Body-UMTS-FDD-V

DUT: Sony Ericsson; Type: AAD-3252081-BV; Serial: CB5112VESN
Communication System: UMTS band 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 = 55.9; 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: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Front position - Low/Area Scan (51x81x1):
Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.188 mW/g

Front position - Low/Zoom Scan (7x7x7) (7x7x7)/Cube 0:
Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 14.4 V/m; Power Drift = -0.022 dB
Peak SAR (extrapolated) = 0.234 W/kg
SAR(1 g) = 0.177 mW/g; SAR(10 g) = 0.130 mW/g
Maximum value of SAR (measured) = 0.188 mW/g



0 dB = 0.188mW/g

Additional information:
position or distance of DUT to SAM (if not standard head positions) : 15 mm
ambient temperature: 23.0°C; liquid temperature: 20.8°C

Date/Time: 2008-09-19 13:34:06Date/Time: 2008-09-19 13:40:24

P1528_OET65-Body-UMTS-FDD-V

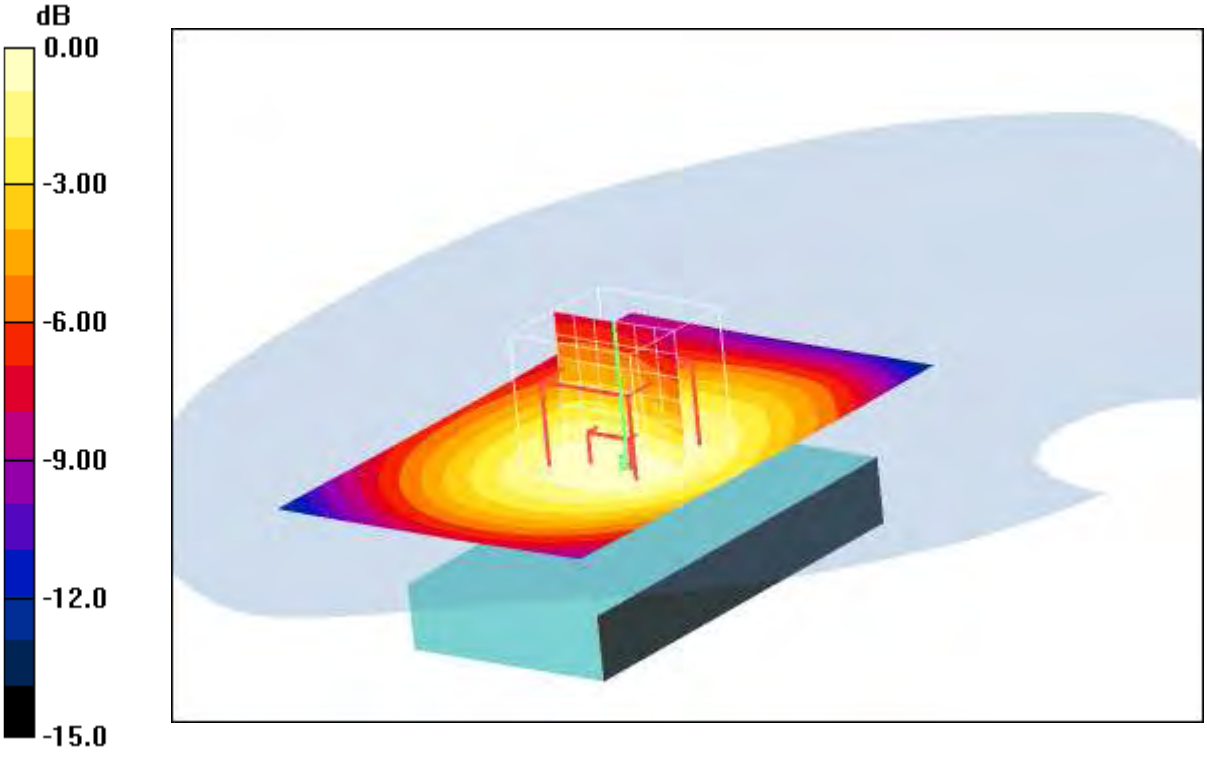
DUT: Sony Ericsson; Type: AAD-3252081-BV; Serial: CB5112VESN
Communication System: UMTS band V; Frequency: 836.4 MHz; Duty Cycle: 1:1
Medium: M850 Medium parameters used (interpolated): f = 836.4 MHz; σ = 0.97 mho/m; ε_r = 55.9; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: 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: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Front position - Middle/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.240 mW/g

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

Reference Value = 16.4 V/m; Power Drift = 0.056 dB
Peak SAR (extrapolated) = 0.310 W/kg
SAR(1 g) = 0.236 mW/g; SAR(10 g) = 0.172 mW/g
Maximum value of SAR (measured) = 0.249 mW/g



0 dB = 0.249mW/g

Additional information:
position or distance of DUT to SAM (if not standard head positions) :
ambient temperature: 23.0°C; liquid temperature: 20.8°C

Date/Time: 2008-09-19 13:14:39Date/Time: 2008-09-19 13:20:28

P1528_OET65-Body-UMTS-FDD-V

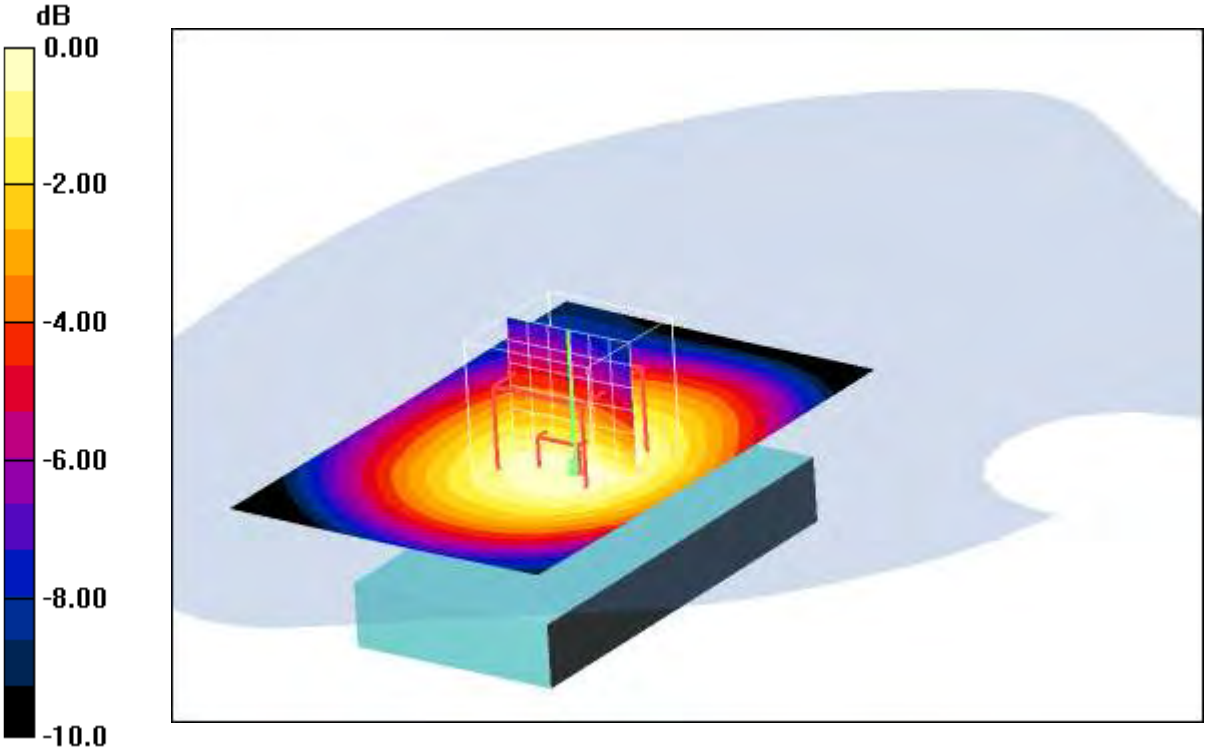
DUT: Sony Ericsson; Type: AAD-3252081-BV; Serial: CB5112VESN
Communication System: UMTS band V; Frequency: 846.6 MHz; Duty Cycle: 1:1
Medium: M850 Medium parameters used (interpolated): f = 846.6 MHz; σ = 0.97 mho/m; ε_r = 55.9; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1558; ConvF(5.96, 5.96, 5.96); Calibrated: 2008-08-15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn413; Calibrated: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Front position - High/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.203 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 = 0.01 dB
Peak SAR (extrapolated) = 0.249 W/kg
SAR(1 g) = 0.190 mW/g; SAR(10 g) = 0.138 mW/g
Maximum value of SAR (measured) = 0.202 mW/g



0 dB = 0.202mW/g

Additional information:
position or distance of DUT to SAM (if not standard head positions) : 15 mm
ambient temperature: 23.0°C; liquid temperature: 20.8°C

Date/Time: 2008-09-19 12:06:07Date/Time: 2008-09-19 12:12:24

P1528_OET65-Body-UMTS-FDD-V

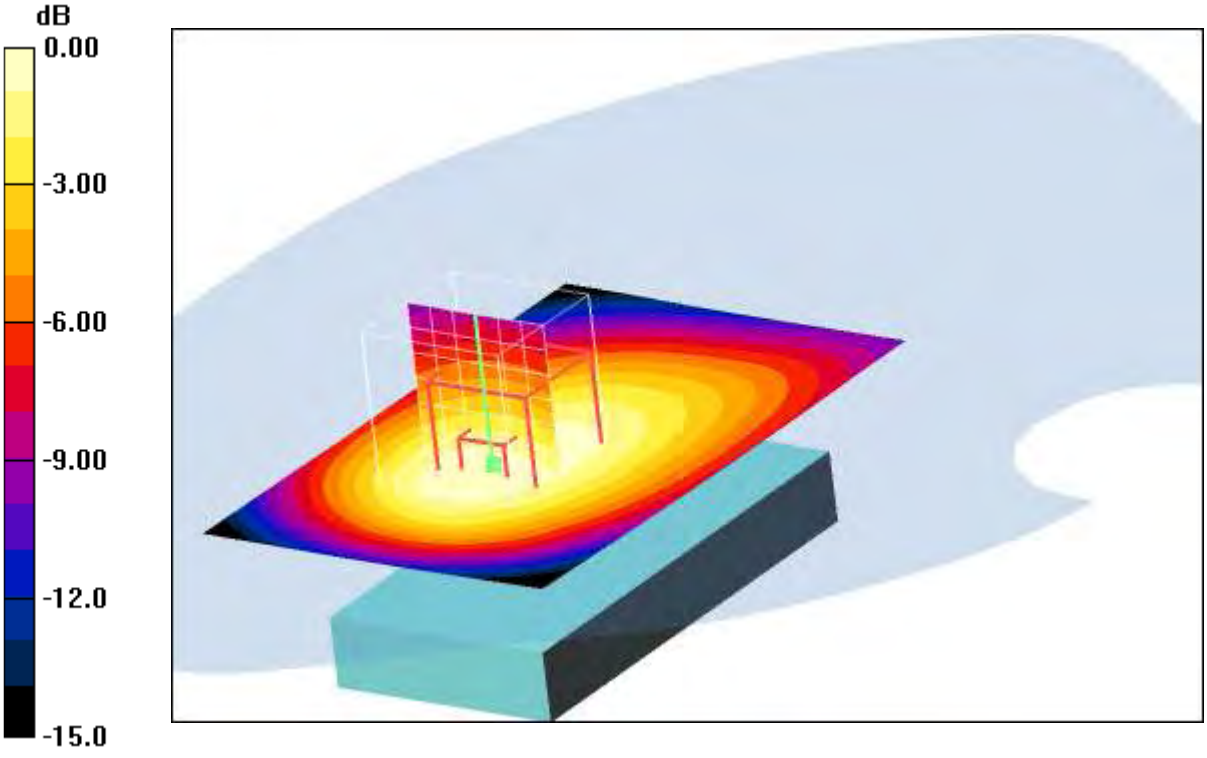
DUT: Sony Ericsson; Type: AAD-3252081-BV; Serial: CB5112VESN
Communication System: UMTS band V; Frequency: 826.4 MHz; Duty Cycle: 1:1
Medium: M850 Medium parameters used (interpolated): f = 826.4 MHz; σ = 0.97 mho/m; ε_r = 55.9; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: 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: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Rear position - Low/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

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

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

Reference Value = 22.0 V/m; Power Drift = -0.00 dB
Peak SAR (extrapolated) = 0.578 W/kg
SAR(1 g) = 0.413 mW/g; SAR(10 g) = 0.287 mW/g
Maximum value of SAR (measured) = 0.439 mW/g



0 dB = 0.439mW/g

Additional information:
position or distance of DUT to SAM (if not standard head positions) : 15 mm
ambient temperature: 23.0°C; liquid temperature: 20.8°C

Date/Time: 2008-09-19 12:31:15Date/Time: 2008-09-19 12:37:00

P1528_OET65-Body-UMTS-FDD-V

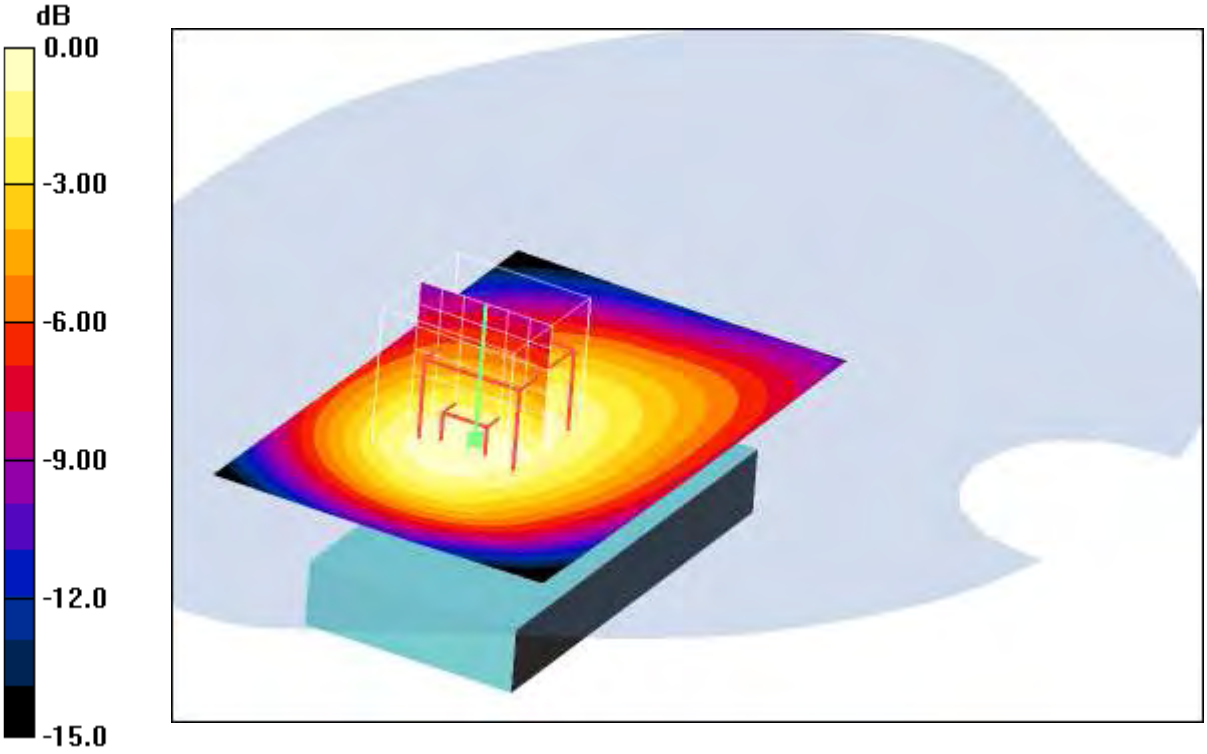
DUT: Sony Ericsson; Type: AAD-3252081-BV; Serial: CB5112VESN
Communication System: UMTS band V; Frequency: 836.4 MHz; Duty Cycle: 1:1
Medium: M850 Medium parameters used (interpolated): f = 836.4 MHz; σ = 0.97 mho/m; ε_r = 55.9; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: 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: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Rear position - Middle/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.591 mW/g

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

Reference Value = 25.3 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 0.773 W/kg
SAR(1 g) = 0.551 mW/g; SAR(10 g) = 0.382 mW/g
Maximum value of SAR (measured) = 0.592 mW/g



0 dB = 0.592mW/g

Additional information:
position or distance of DUT to SAM (if not standard head positions) : 15 mm
ambient temperature: 23.0°C; liquid temperature: 20.8°C

Date/Time: 2008-09-19 12:51:18Date/Time: 2008-09-19 12:57:11

P1528_OET65-Body-UMTS-FDD-V

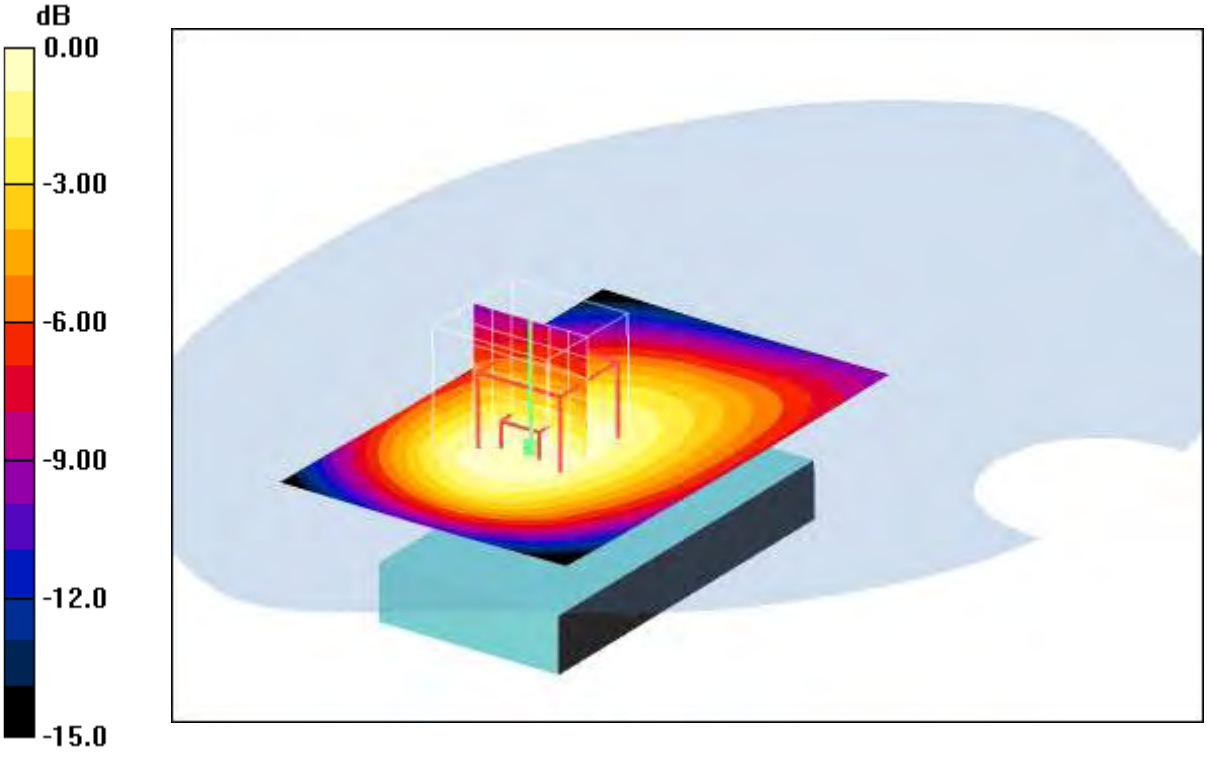
DUT: Sony Ericsson; Type: AAD-3252081-BV; Serial: CB5112VESN
Communication System: UMTS band V; Frequency: 846.6 MHz; Duty Cycle: 1:1
Medium: M850 Medium parameters used (interpolated): f = 846.6 MHz; σ = 0.97 mho/m; ε_r = 55.9; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1558; ConvF(5.96, 5.96, 5.96); Calibrated: 2008-08-15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn413; Calibrated: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Rear position - High/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.475 mW/g

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

Reference Value = 22.7 V/m; Power Drift = 0.013 dB
Peak SAR (extrapolated) = 0.593 W/kg
SAR(1 g) = 0.428 mW/g; SAR(10 g) = 0.299 mW/g
Maximum value of SAR (measured) = 0.458 mW/g



0 dB = 0.458mW/g

Additional information:
position or distance of DUT to SAM (if not standard head positions) : 15 mm
ambient temperature: 23.0°C; liquid temperature: 20.8°C

Annex 2.7 UMTS (WCDMA) FDD II head

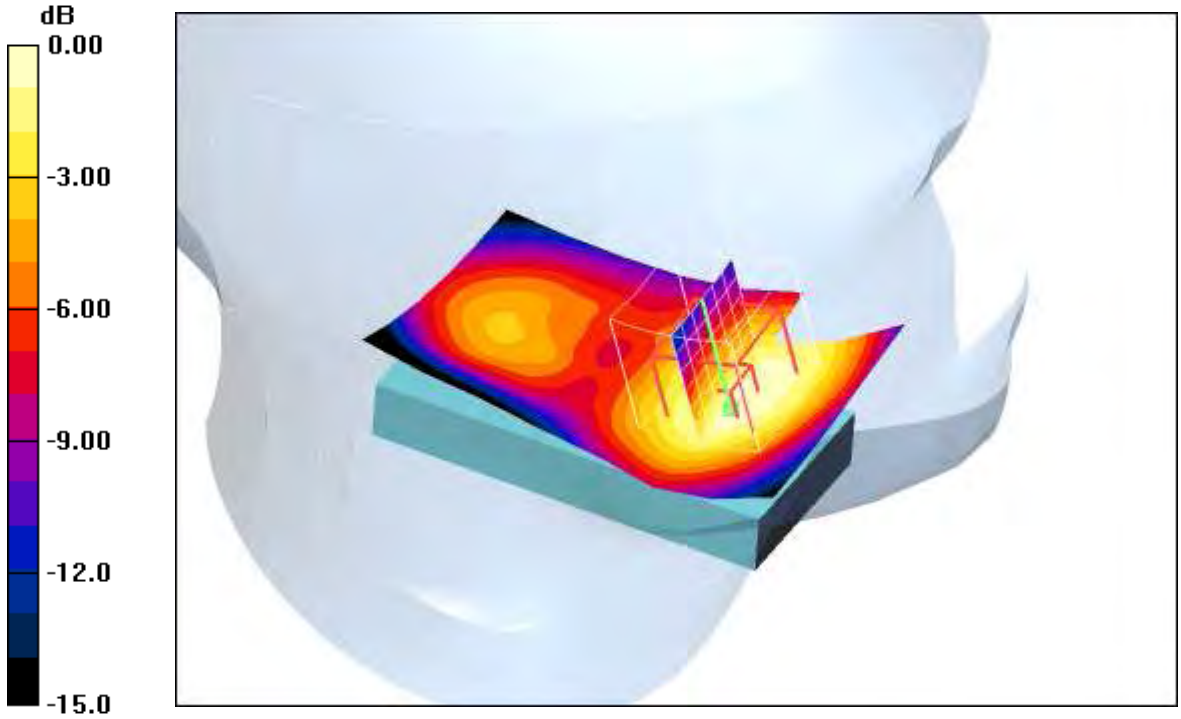
Date/Time: 2008-09-23 09:59:40Date/Time: 2008-09-23 10:05:00

P1528_OET65-LeftHandSide-UMTS-FDD-II

DUT: Sony Ericsson; Type: AAD-3252081-BV; Serial: CB5112VESN
Communication System: WCDMA US; Frequency: 1852.5 MHz; Duty Cycle: 1:1
Medium: HSL1900 Medium parameters used (interpolated): f = 1852.5 MHz; σ = 1.41 mho/m; ε_r = 39.7; 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: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Touch position - Low/Area Scan (51x71x1):
Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.11 mW/g

Touch position - Low/Zoom Scan (7x7x7) (7x7x7)/Cube 0:
Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 28.0 V/m; Power Drift = -0.029 dB
Peak SAR (extrapolated) = 1.57 W/kg
SAR(1 g) = 1.04 mW/g; SAR(10 g) = 0.640 mW/g
Maximum value of SAR (measured) = 1.12 mW/g



0 dB = 1.12mW/g

Additional information:
position or distance of DUT to SAM (if not standard head positions) :
ambient temperature: 23.4°C; liquid temperature: 22.1°C

Date/Time: 2008-09-23 10:19:55Date/Time: 2008-09-23 10:25:18

P1528_OET65-LeftHandSide-UMTS-FDD-II

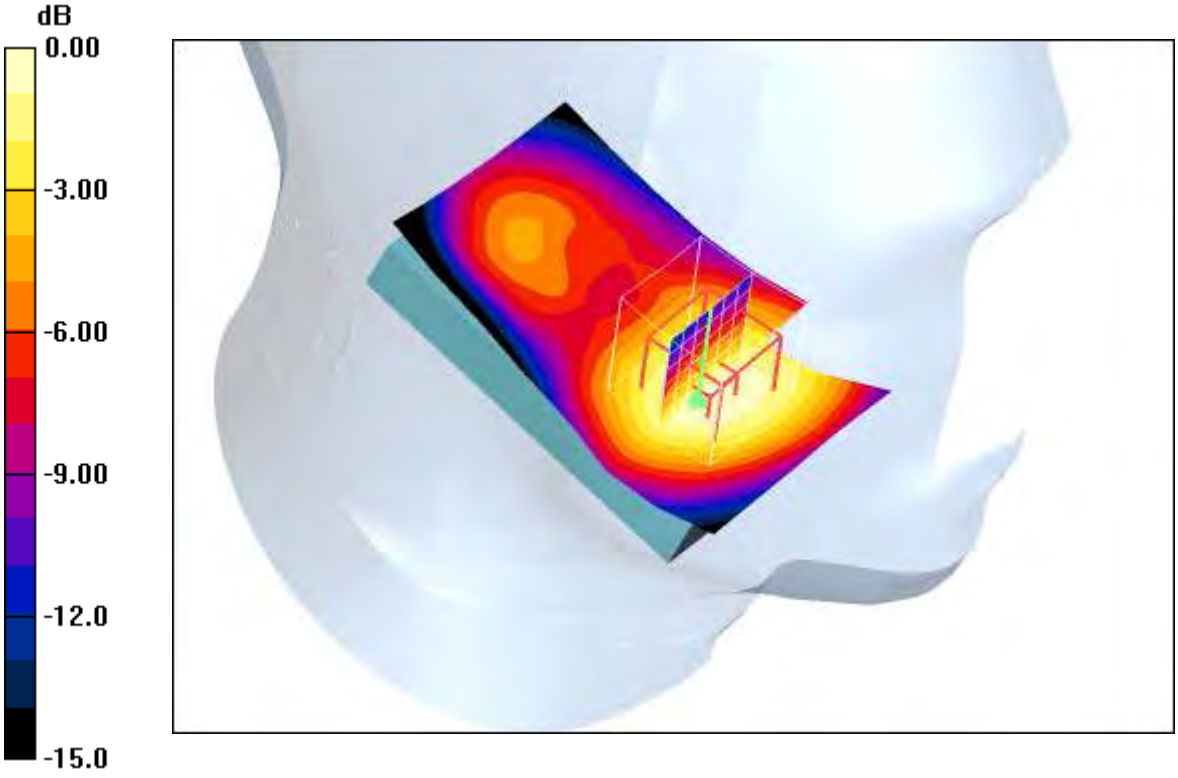
DUT: Sony Ericsson; Type: AAD-3252081-BV; Serial: CB5112VESN
Communication System: WCDMA US; Frequency: 1880 MHz; Duty Cycle: 1:1
Medium: HSL1900 Medium parameters used: f = 1880 MHz; σ = 1.41 mho/m; ε_r = 39.7; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1558; ConvF(4.96, 4.96, 4.96); Calibrated: 2008-08-15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn413; Calibrated: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

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

Maximum value of SAR (interpolated) = 1.19 mW/g

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

Reference Value = 28.7 V/m; Power Drift = 0.024 dB
Peak SAR (extrapolated) = 1.67 W/kg
SAR(1 g) = 1.1 mW/g; SAR(10 g) = 0.676 mW/g
Maximum value of SAR (measured) = 1.21 mW/g



0 dB = 1.21mW/g

Additional information:
position or distance of DUT to SAM (if not standard head positions) :
ambient temperature: 23.4°C; liquid temperature: 22.1°C

Date/Time: 2008-09-23 10:41:11Date/Time: 2008-09-23 11:03:20

P1528_OET65-LeftHandSide-UMTS-FDD-II

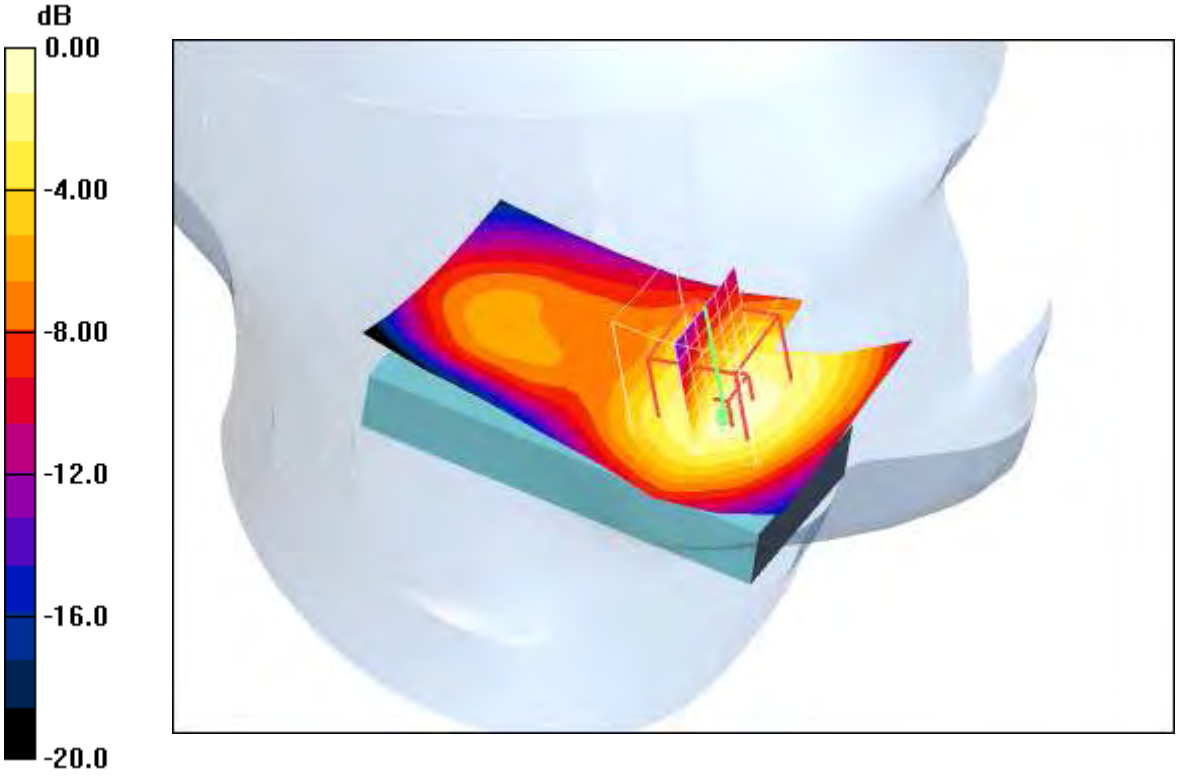
DUT: Sony Ericsson; Type: AAD-3252081-BV; Serial: CB5112VESN
Communication System: WCDMA US; Frequency: 1907.6 MHz; Duty Cycle: 1:1
Medium: HSL1900 Medium parameters used (interpolated): f = 1907.6 MHz; σ = 1.41 mho/m; ε_r = 39.7; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:
- Probe: 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: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

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

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

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

Reference Value = 30.2 V/m; Power Drift = -0.059 dB
Peak SAR (extrapolated) = 1.73 W/kg
SAR(1 g) = 1.15 mW/g; SAR(10 g) = 0.718 mW/g
Maximum value of SAR (measured) = 1.24 mW/g



0 dB = 1.24mW/g

Additional information:
position or distance of DUT to SAM (if not standard head positions) :
ambient temperature: 23.4°C; liquid temperature: 22.1°C

Date/Time: 2008-09-23 11:18:31Date/Time: 2008-09-23 11:24:32

P1528_OET65-LeftHandSide-UMTS-FDD-II

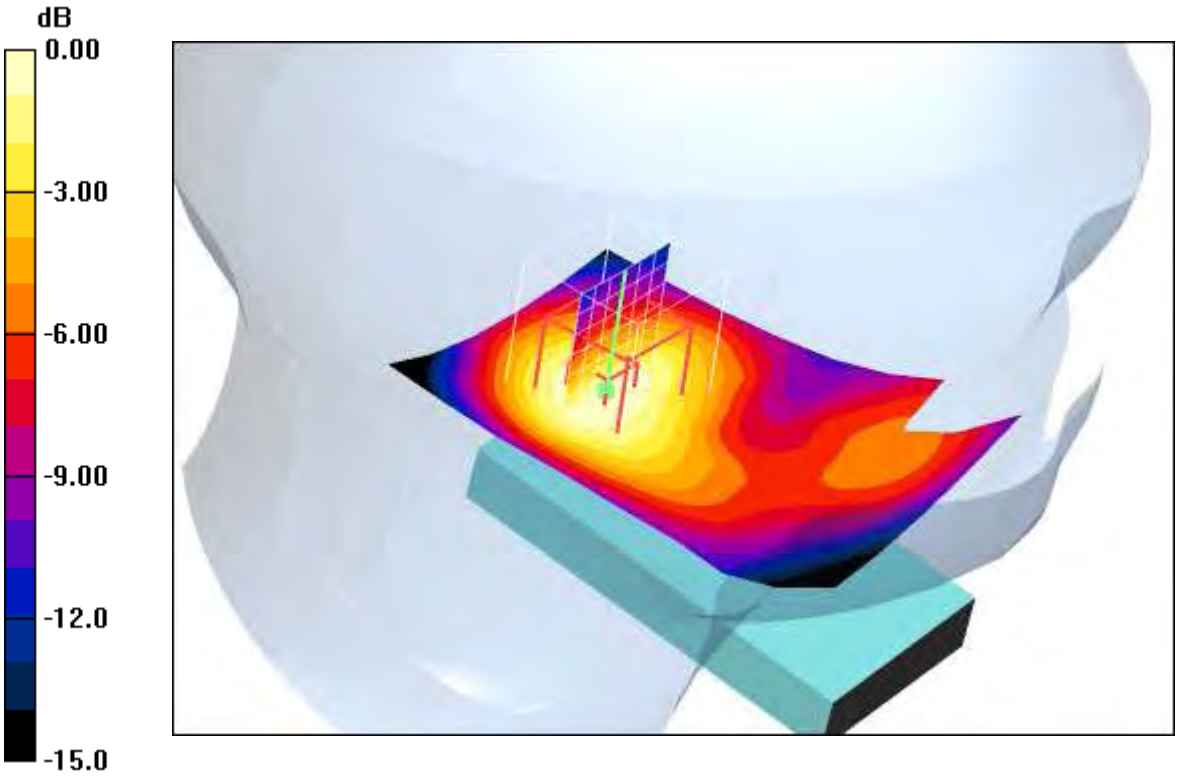
DUT: Sony Ericsson; Type: AAD-3252081-BV; Serial: CB5112VESN
Communication System: WCDMA US; Frequency: 1852.5 MHz; Duty Cycle: 1:1
Medium: HSL1900 Medium parameters used (interpolated): f = 1852.5 MHz; σ = 1.41 mho/m; ε_r = 39.7; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:
- Probe: 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: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Tilt position - Low/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.520 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 = -0.025 dB
Peak SAR (extrapolated) = 0.726 W/kg
SAR(1 g) = 0.456 mW/g; SAR(10 g) = 0.278 mW/g
Maximum value of SAR (measured) = 0.494 mW/g



0 dB = 0.494mW/g

Additional information:
position or distance of DUT to SAM (if not standard head positions) :
ambient temperature: 23.4°C; liquid temperature: 22.1°C

Date/Time: 2008-09-23 11:37:53Date/Time: 2008-09-23 11:43:54

P1528_OET65-LeftHandSide-UMTS-FDD-II

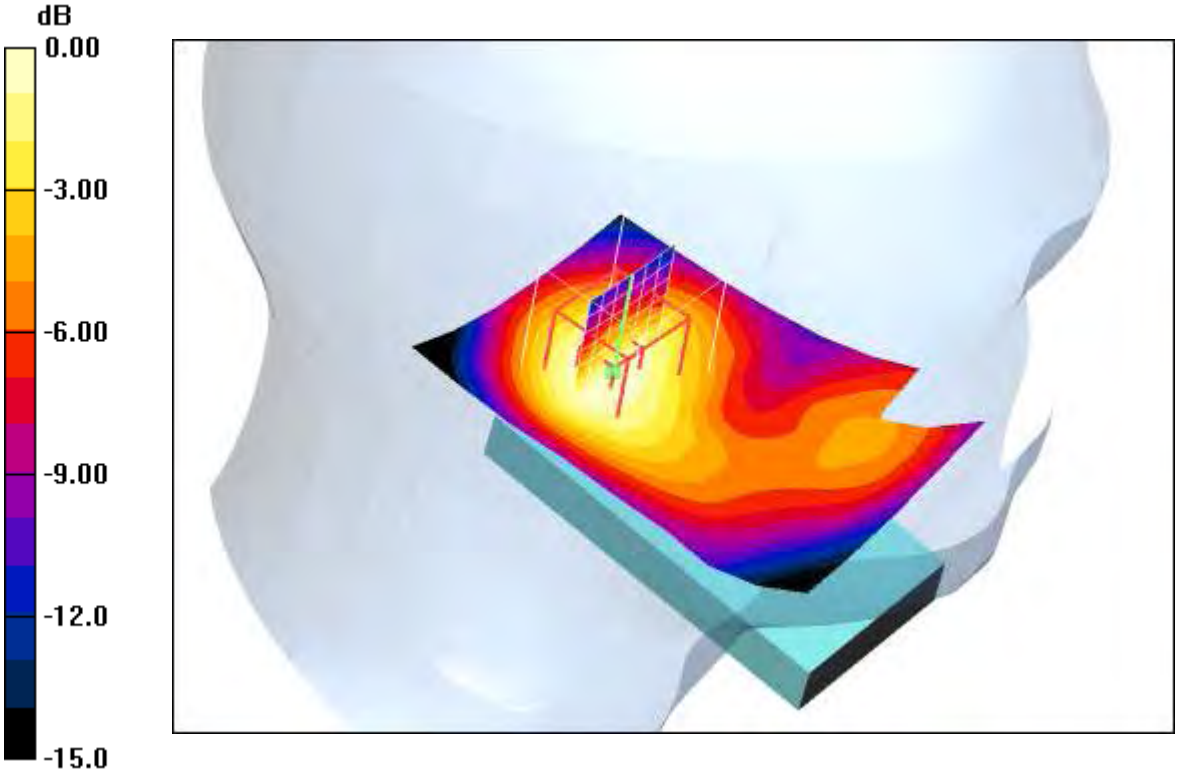
DUT: Sony Ericsson; Type: AAD-3252081-BV; Serial: CB5112VESN
Communication System: WCDMA US; Frequency: 1880 MHz; Duty Cycle: 1:1
Medium: HSL1900 Medium parameters used: f = 1880 MHz; σ = 1.41 mho/m; ε_r = 39.7; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1558; ConvF(4.96, 4.96, 4.96); Calibrated: 2008-08-15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn413; Calibrated: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Tilt position - Middle/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

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

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

Reference Value = 18.1 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.630 W/kg
SAR(1 g) = 0.401 mW/g; SAR(10 g) = 0.245 mW/g
Maximum value of SAR (measured) = 0.431 mW/g



0 dB = 0.431mW/g

Additional information:
position or distance of DUT to SAM (if not standard head positions) :
ambient temperature: 23.4°C; liquid temperature: 22.1°C

Date/Time: 2008-09-23 11:58:28Date/Time: 2008-09-23 12:05:52

P1528_OET65-LeftHandSide-UMTS-FDD-II

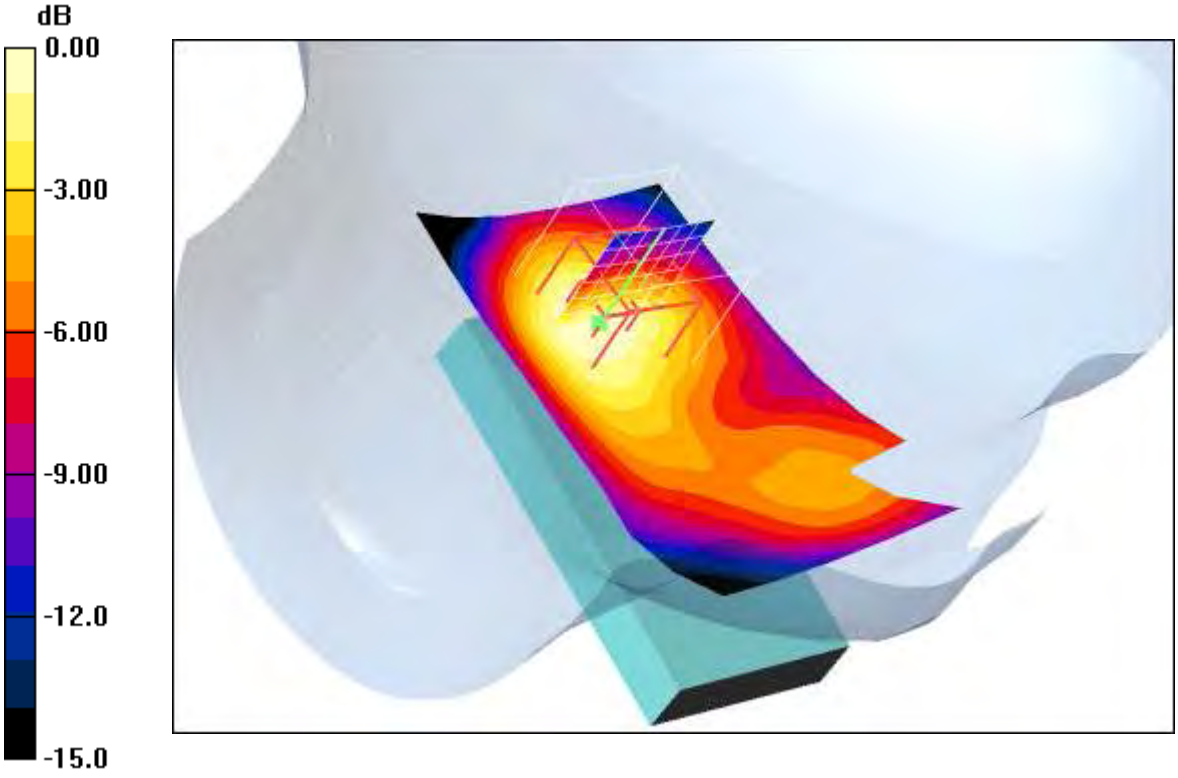
DUT: Sony Ericsson; Type: AAD-3252081-BV; Serial: CB5112VESN
Communication System: WCDMA US; Frequency: 1907.6 MHz; Duty Cycle: 1:1
Medium: HSL1900 Medium parameters used (interpolated): f = 1907.6 MHz; σ = 1.41 mho/m; ε_r = 39.7; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:
- Probe: 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: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Tilt position - High/Area Scan (51x81x1): Measurement grid: dx=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 = 17.0 V/m; Power Drift = -0.042 dB
Peak SAR (extrapolated) = 0.574 W/kg
SAR(1 g) = 0.357 mW/g; SAR(10 g) = 0.216 mW/g
Maximum value of SAR (measured) = 0.384 mW/g



0 dB = 0.384mW/g

Additional information:
position or distance of DUT to SAM (if not standard head positions) :
ambient temperature: 23.4°C; liquid temperature: 22.1°C

Date/Time: 2008-09-23 13:29:19Date/Time: 2008-09-23 13:35:10

P1528_OET65-LeftHandSide-UMTS-FDD-II open

DUT: Sony Ericsson; Type: AAD-3252081-BV; Serial: CB5112VESN

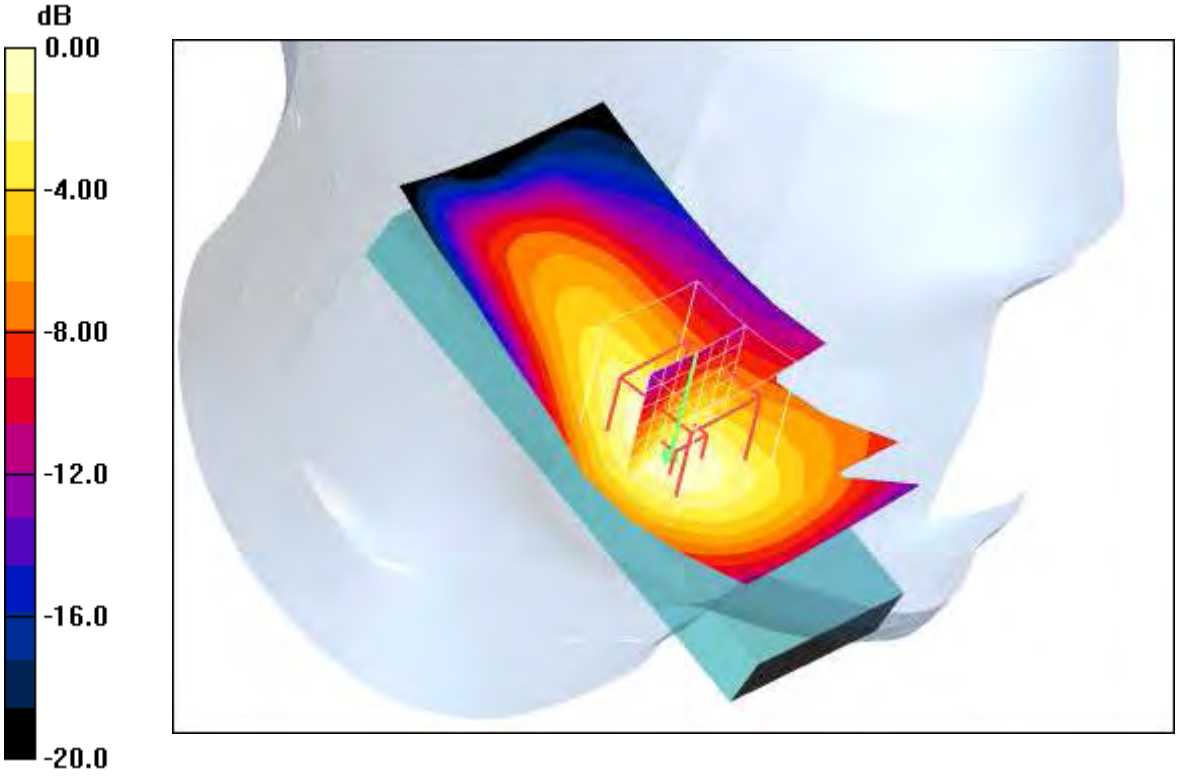
Communication System: WCDMA US; Frequency: 1852.5 MHz; Duty Cycle: 1:1
Medium: HSL1900 Medium parameters used (interpolated): f = 1852.5 MHz; σ = 1.41 mho/m; ε_r = 39.7; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1558; ConvF(4.96, 4.96, 4.96); Calibrated: 2008-08-15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn413; Calibrated: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Touch position - Low/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.26 mW/g

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

Reference Value = 29.7 V/m; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 1.99 W/kg
SAR(1 g) = 1.21 mW/g; SAR(10 g) = 0.719 mW/g
Maximum value of SAR (measured) = 1.33 mW/g



0 dB = 1.33mW/g

Additional information:
position or distance of DUT to SAM (if not standard head positions) :
ambient temperature: 23.0°C; liquid temperature: 22.1°C

Date/Time: 2008-09-23 13:50:26Date/Time: 2008-09-23 13:56:28

P1528_OET65-LeftHandSide-UMTS-FDD-II open

DUT: Sony Ericsson; Type: AAD-3252081-BV; Serial: CB5112VESN

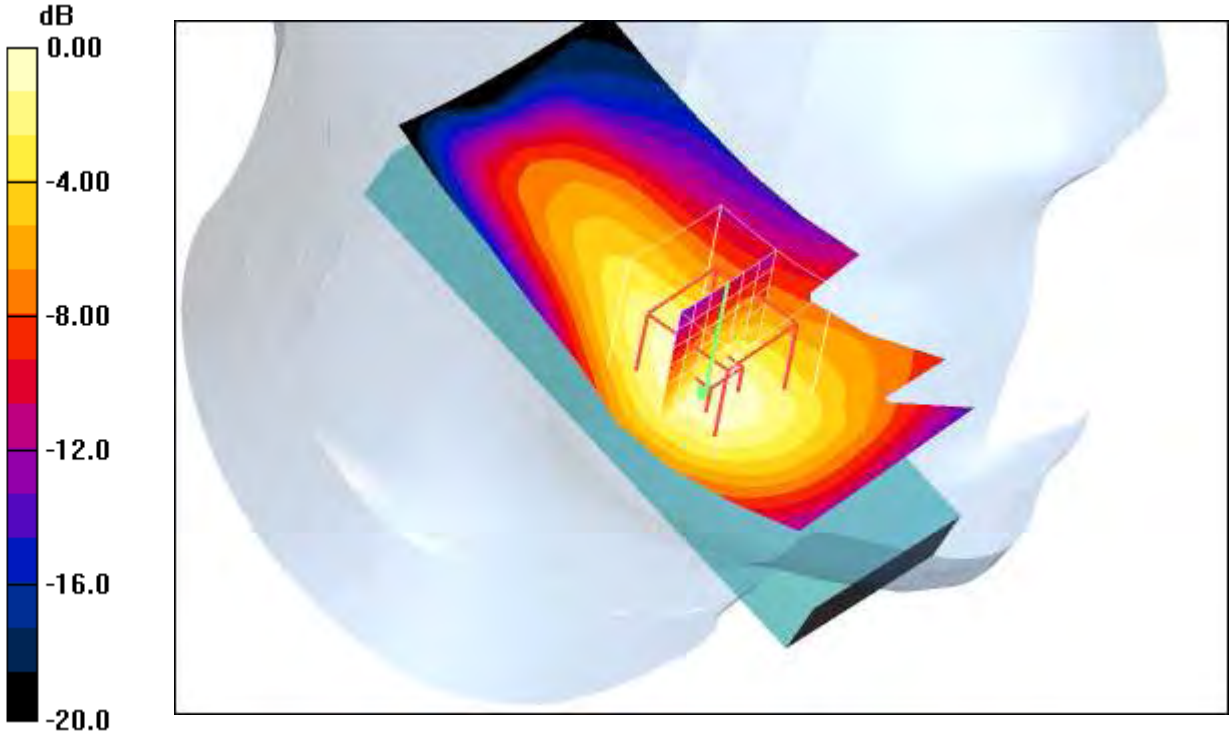
Communication System: WCDMA US; Frequency: 1880 MHz; Duty Cycle: 1:1
Medium: HSL1900 Medium parameters used: f = 1880 MHz; σ = 1.41 mho/m; ε_r = 39.7; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1558; ConvF(4.96, 4.96, 4.96); Calibrated: 2008-08-15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn413; Calibrated: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Touch position - Middle/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.22 mW/g

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

Reference Value = 29.2 V/m; Power Drift = -0.00 dB
Peak SAR (extrapolated) = 1.93 W/kg
SAR(1 g) = 1.17 mW/g; SAR(10 g) = 0.691 mW/g
Maximum value of SAR (measured) = 1.27 mW/g



0 dB = 1.27mW/g

Additional information:
position or distance of DUT to SAM (if not standard head positions) :
ambient temperature: 23.0°C; liquid temperature: 22.1°C

Date/Time: 2008-09-23 14:11:42Date/Time: 2008-09-23 14:17:40

P1528_OET65-LeftHandSide-UMTS-FDD-II open

DUT: Sony Ericsson; Type: AAD-3252081-BV; Serial: CB5112VESN

Communication System: WCDMA US; Frequency: 1907.6 MHz; Duty Cycle: 1:1

Medium: HSL1900 Medium parameters used (interpolated): f = 1907.6 MHz; σ = 1.41 mho/m; ε_r = 39.7; 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: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Touch position - High/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.11 mW/g

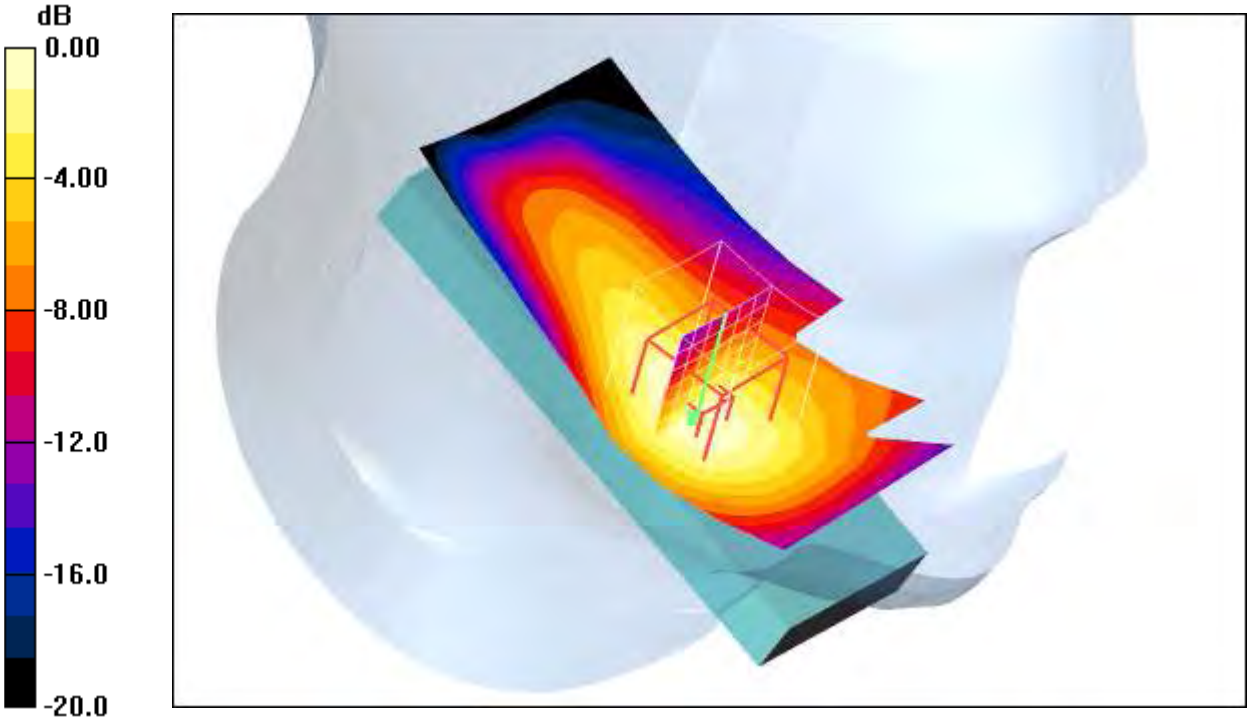
Touch position - High/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 28.0 V/m; Power Drift = -0.035 dB

Peak SAR (extrapolated) = 1.77 W/kg

SAR(1 g) = 1.07 mW/g; SAR(10 g) = 0.624 mW/g

Maximum value of SAR (measured) = 1.16 mW/g



0 dB = 1.16mW/g

Additional information:

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

ambient temperature: 23.0°C; liquid temperature: 22.1°C

Date/Time: 2008-09-23 13:03:40Date/Time: 2008-09-23 13:09:43

P1528_OET65-LeftHandSide-UMTS-FDD-II open

DUT: Sony Ericsson; Type: AAD-3252081-BV; Serial: CB5112VESN

Communication System: WCDMA US; Frequency: 1852.5 MHz; Duty Cycle: 1:1

Medium: HSL1900 Medium parameters used (interpolated): f = 1852.5 MHz; σ = 1.41 mho/m; ε_r = 39.7; 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: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Tilt position - Low/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.751 mW/g

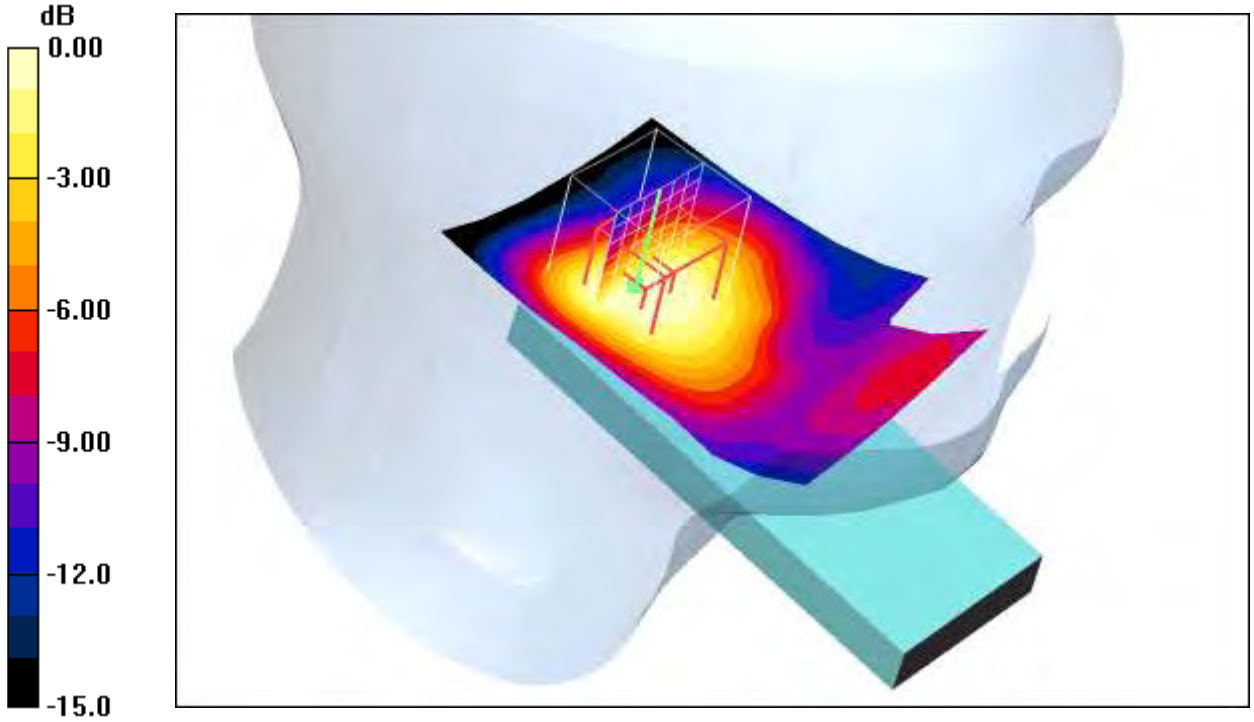
Tilt position - Low/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 22.0 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.956 W/kg

SAR(1 g) = 0.629 mW/g; SAR(10 g) = 0.389 mW/g

Maximum value of SAR (measured) = 0.676 mW/g



0 dB = 0.676mW/g

Additional information:

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

ambient temperature: 23.0°C; liquid temperature: 22.1°C

Date/Time: 2008-09-23 12:44:32Date/Time: 2008-09-23 12:50:30

P1528_OET65-LeftHandSide-UMTS-FDD-II open

DUT: Sony Ericsson; Type: AAD-3252081-BV; Serial: CB5112VESN

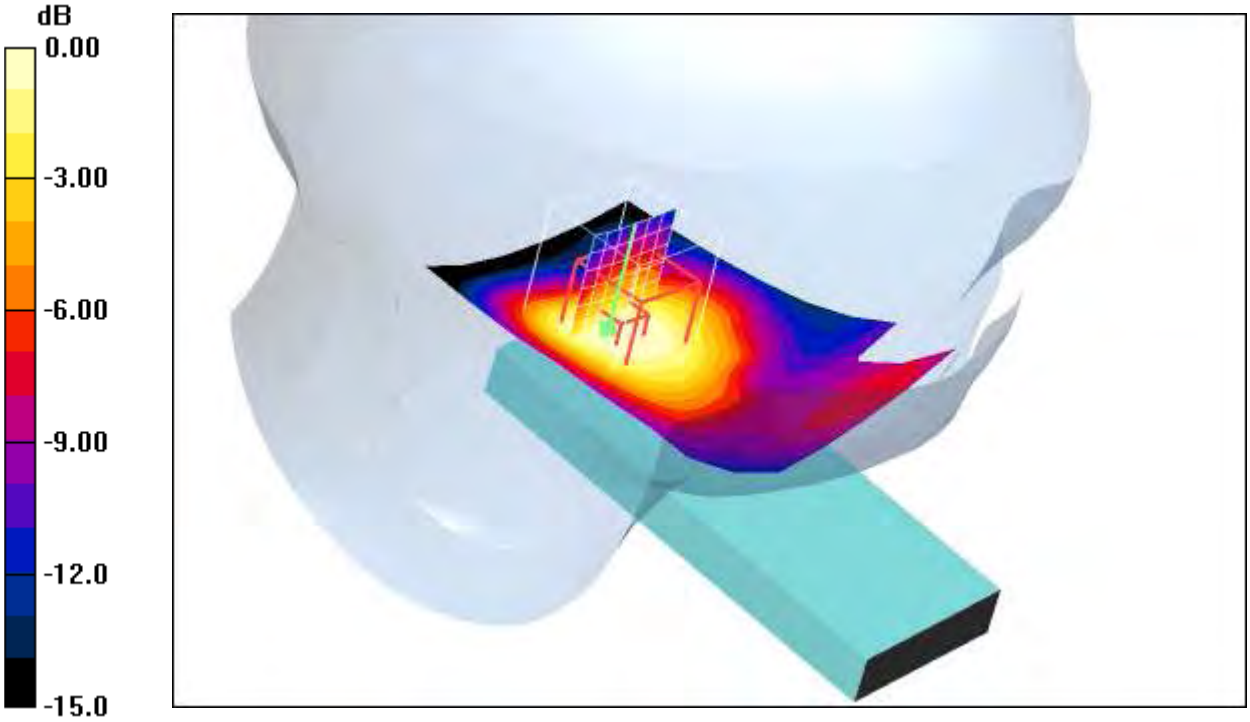
Communication System: WCDMA US; Frequency: 1880 MHz; Duty Cycle: 1:1
Medium: HSL1900 Medium parameters used: f = 1880 MHz; σ = 1.41 mho/m; ε_r = 39.7; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1558; ConvF(4.96, 4.96, 4.96); Calibrated: 2008-08-15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn413; Calibrated: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Tilt position - Middle/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

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

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

Reference Value = 21.0 V/m; Power Drift = 0.155 dB
Peak SAR (extrapolated) = 0.903 W/kg
SAR(1 g) = 0.588 mW/g; SAR(10 g) = 0.361 mW/g
Maximum value of SAR (measured) = 0.630 mW/g



0 dB = 0.630mW/g

Additional information:
position or distance of DUT to SAM (if not standard head positions) :
ambient temperature: 23.0°C; liquid temperature: 22.1°C

Date/Time: 2008-09-23 12:23:46Date/Time: 2008-09-23 12:30:21

P1528_OET65-LeftHandSide-UMTS-FDD-II open

DUT: Sony Ericsson; Type: AAD-3252081-BV; Serial: CB5112VESN

Communication System: WCDMA US; Frequency: 1907.6 MHz; Duty Cycle: 1:1

Medium: HSL1900 Medium parameters used (interpolated): f = 1907.6 MHz; σ = 1.41 mho/m; ε_r = 39.7; 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: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Tilt position - High/Area Scan (51x81x1):

Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.737 mW/g

Tilt position - High/Zoom Scan (7x7x7) (7x7x7)/Cube 0:

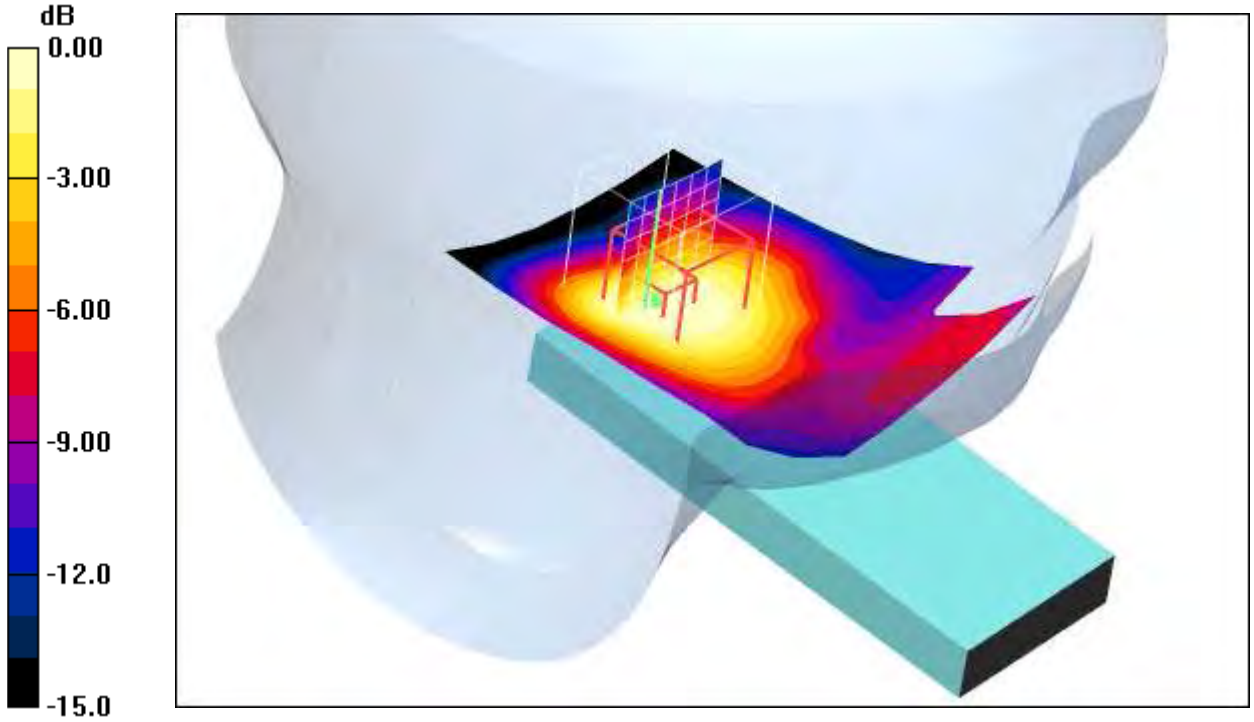
Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 21.0 V/m; Power Drift = -0.014 dB

Peak SAR (extrapolated) = 0.889 W/kg

SAR(1 g) = 0.570 mW/g; SAR(10 g) = 0.349 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: 23.0°C; liquid temperature: 22.1°C

Date/Time: 2008-09-23 08:04:01Date/Time: 2008-09-23 08:09:20

P1528_OET65-RightHandSide-UMTS-FDD_II

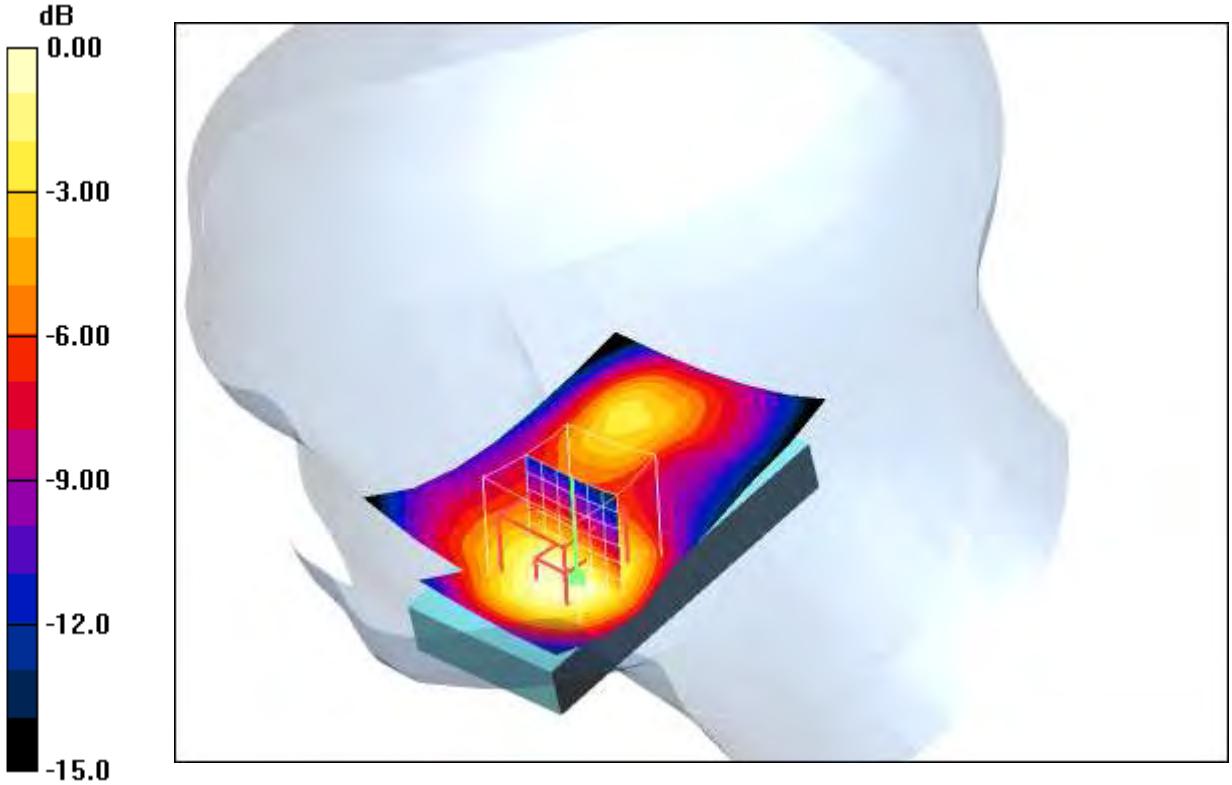
DUT: Sony Ericsson; Type: AAD-3252081-BV; Serial: CB5112VESN
Communication System: WCDMA US; Frequency: 1852.5 MHz; Duty Cycle: 1:1
Medium: HSL1900 Medium parameters used (interpolated): f = 1852.5 MHz; σ = 1.41 mho/m; ε_r = 39.7; ρ = 1000 kg/m^3
Phantom section: Right Section
DASY4 Configuration:
- 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: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

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

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

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

Reference Value = 31.9 V/m; Power Drift = -0.00 dB
Peak SAR (extrapolated) = 2.12 W/kg
SAR(1 g) = 1.28 mW/g; SAR(10 g) = 0.760 mW/g
Maximum value of SAR (measured) = 1.37 mW/g



0 dB = 1.37mW/g

Additional information:
position or distance of DUT to SAM (if not standard head positions) :
ambient temperature: 23.3°C; liquid temperature: 22.1°C

Date/Time: 2008-09-23 08:48:40Date/Time: 2008-09-23 08:54:00

P1528_OET65-RightHandSide-UMTS-FDD_II

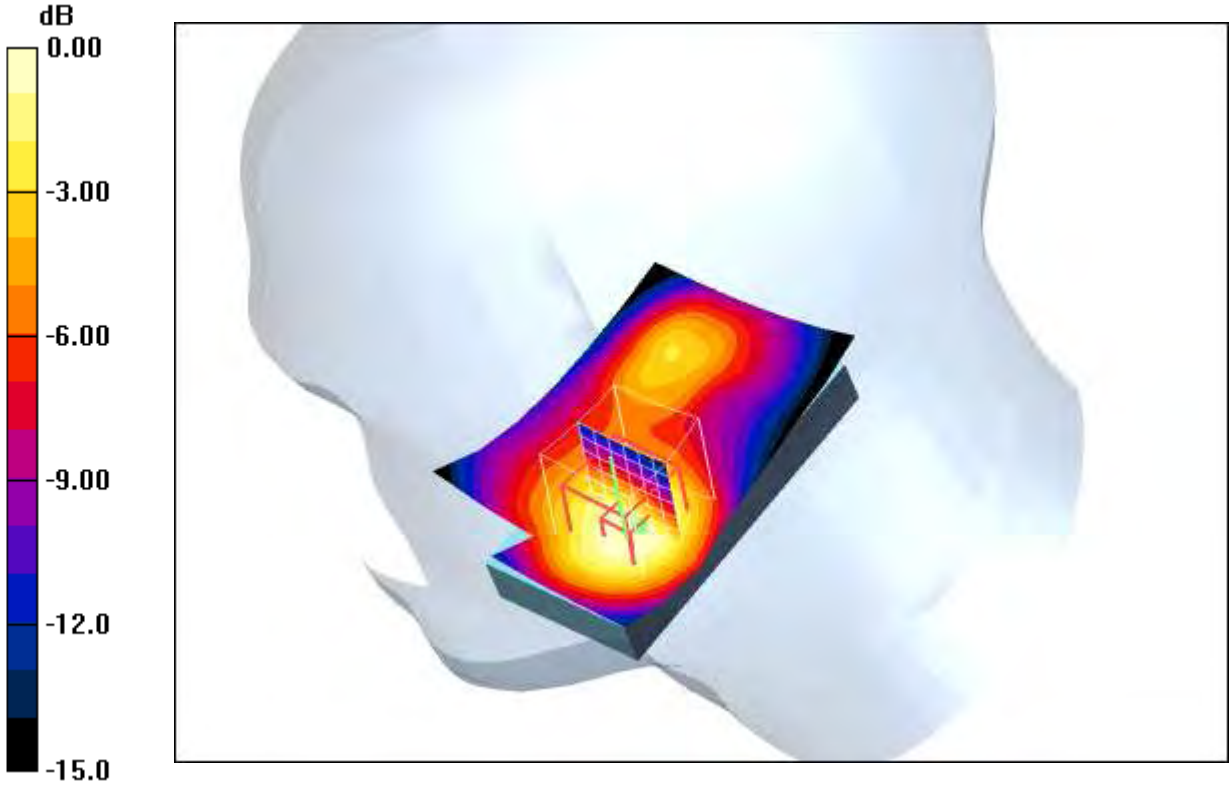
DUT: Sony Ericsson; Type: AAD-3252081-BV; Serial: CB5112VESN
Communication System: WCDMA US; Frequency: 1880 MHz; Duty Cycle: 1:1
Medium: HSL1900 Medium parameters used: f = 1880 MHz; σ = 1.41 mho/m; ε_r = 39.7; ρ = 1000 kg/m^3
Phantom section: Right Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1558; ConvF(4.96, 4.96, 4.96); Calibrated: 2008-08-15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn413; Calibrated: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

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

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

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

Reference Value = 32.0 V/m; Power Drift = -0.097 dB
Peak SAR (extrapolated) = 2.18 W/kg
SAR(1 g) = 1.28 mW/g; SAR(10 g) = 0.757 mW/g
Maximum value of SAR (measured) = 1.39 mW/g



0 dB = 1.39mW/g

Additional information:
position or distance of DUT to SAM (if not standard head positions) :
ambient temperature: 23.3°C; liquid temperature: 22.1°C

Date/Time: 2008-09-23 09:08:55Date/Time: 2008-09-23 09:43:29

P1528_OET65-RightHandSide-UMTS-FDD_II

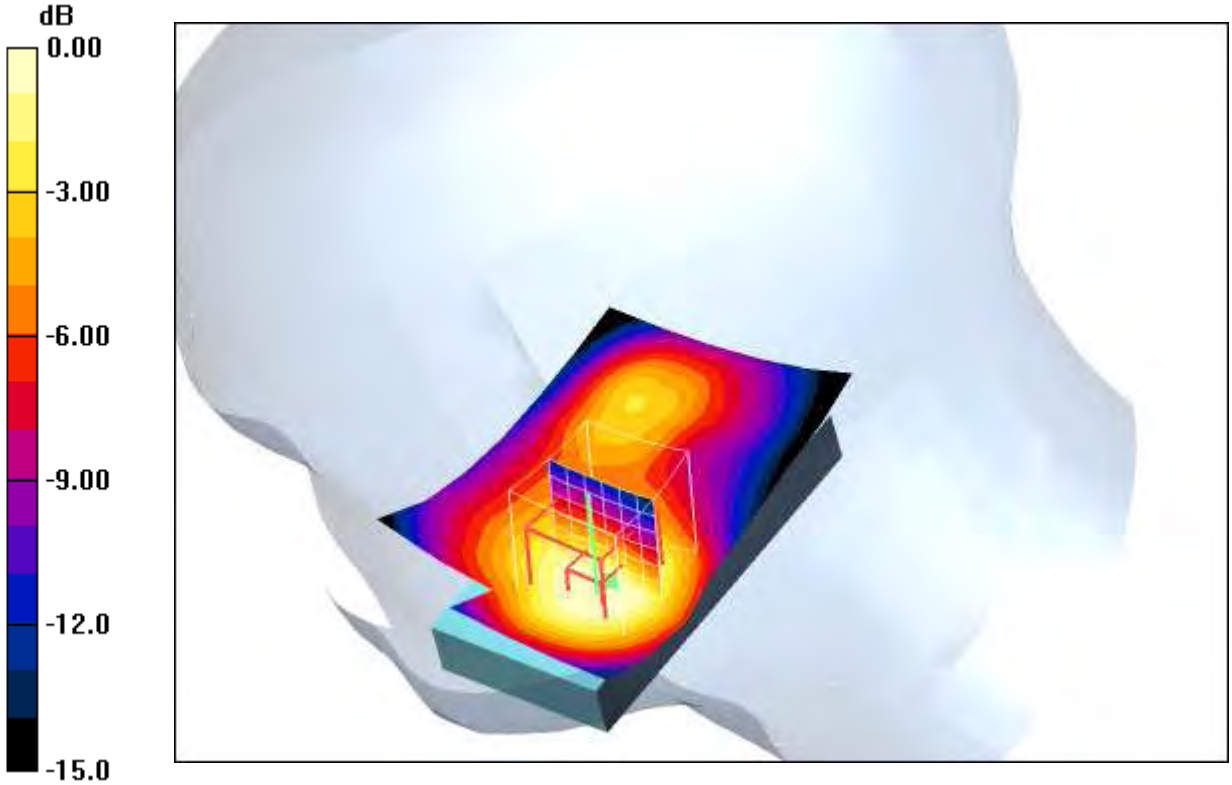
DUT: Sony Ericsson; Type: AAD-3252081-BV; Serial: CB5112VESN
Communication System: WCDMA US; Frequency: 1907.6 MHz; Duty Cycle: 1:1
Medium: HSL1900 Medium parameters used (interpolated): f = 1907.6 MHz; σ = 1.41 mho/m; ε_r = 39.7; ρ = 1000 kg/m^3
Phantom section: Right Section
DASY4 Configuration:
- 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: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

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

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

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

Reference Value = 29.8 V/m; Power Drift = -0.195 dB
Peak SAR (extrapolated) = 1.77 W/kg
SAR(1 g) = 1.07 mW/g; SAR(10 g) = 0.639 mW/g
Maximum value of SAR (measured) = 1.14 mW/g



0 dB = 1.14mW/g

Additional information:
position or distance of DUT to SAM (if not standard head positions) :
ambient temperature: 23.3°C; liquid temperature: 22.1°C

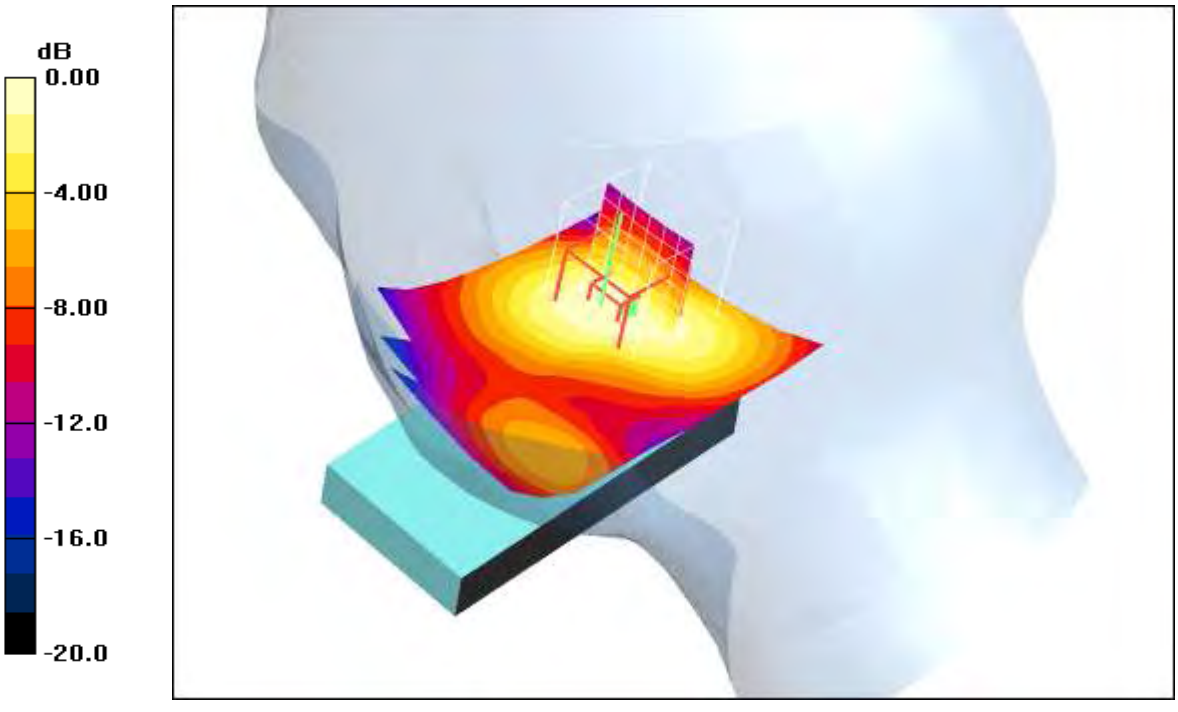
Date/Time: 2008-09-22 20:32:37Date/Time: 2008-09-22 20:39:51

P1528_OET65-RightHandSide-UMTS-FDD-II

DUT: Sony Ericsson; Type: AAD-3252081-BV; Serial: CB5112VESN
Communication System: WCDMA US; Frequency: 1852.5 MHz; Duty Cycle: 1:1
Medium: HSL1900 Medium parameters used (interpolated): f = 1852.5 MHz; σ = 1.41 mho/m; ε_r = 39.7; 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: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Tilt position - Low/Area Scan (51x81x1):
Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.525 mW/g

Tilt position - Low/Zoom Scan (7x7x7) (7x7x7)/Cube 0:
Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 18.2 V/m; Power Drift = -0.019 dB
Peak SAR (extrapolated) = 0.696 W/kg
SAR(1 g) = 0.445 mW/g; SAR(10 g) = 0.273 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: 22.1°C

Date/Time: 2008-09-22 20:54:18Date/Time: 2008-09-22 21:05:47

P1528_OET65-RightHandSide-UMTS-FDD-II

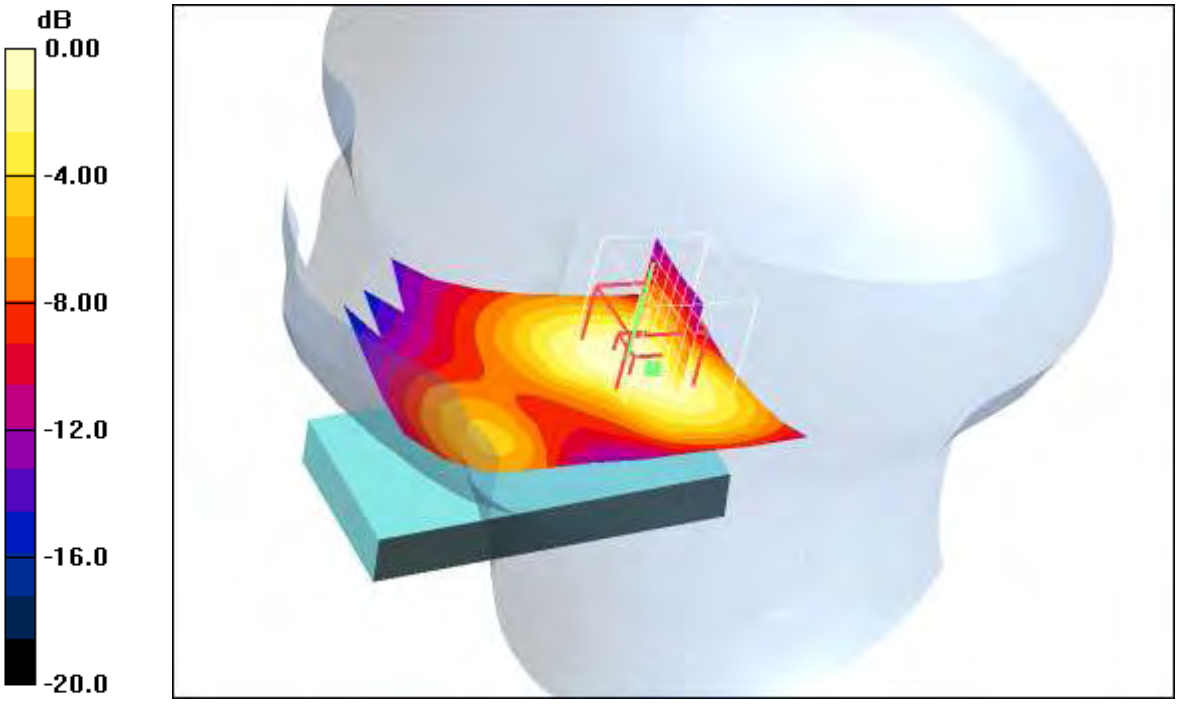
DUT: Sony Ericsson; Type: AAD-3252081-BV; Serial: CB5112VESN
Communication System: WCDMA US; Frequency: 1880 MHz; Duty Cycle: 1:1
Medium: HSL1900 Medium parameters used: f = 1880 MHz; σ = 1.41 mho/m; ε_r = 39.7; ρ = 1000 kg/m^3
Phantom section: Right Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1558; ConvF(4.96, 4.96, 4.96); Calibrated: 2008-08-15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn413; Calibrated: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Tilt position - Middle/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.485 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 = -0.057 dB
Peak SAR (extrapolated) = 0.638 W/kg
SAR(1 g) = 0.413 mW/g; SAR(10 g) = 0.251 mW/g
Maximum value of SAR (measured) = 0.445 mW/g



0 dB = 0.445mW/g

Additional information:
position or distance of DUT to SAM (if not standard head positions) :
ambient temperature: 23.3°C; liquid temperature: 22.1°C

Date/Time: 2008-09-22 21:19:13Date/Time: 2008-09-22 21:25:01

P1528_OET65-RightHandSide-UMTS-FDD-II

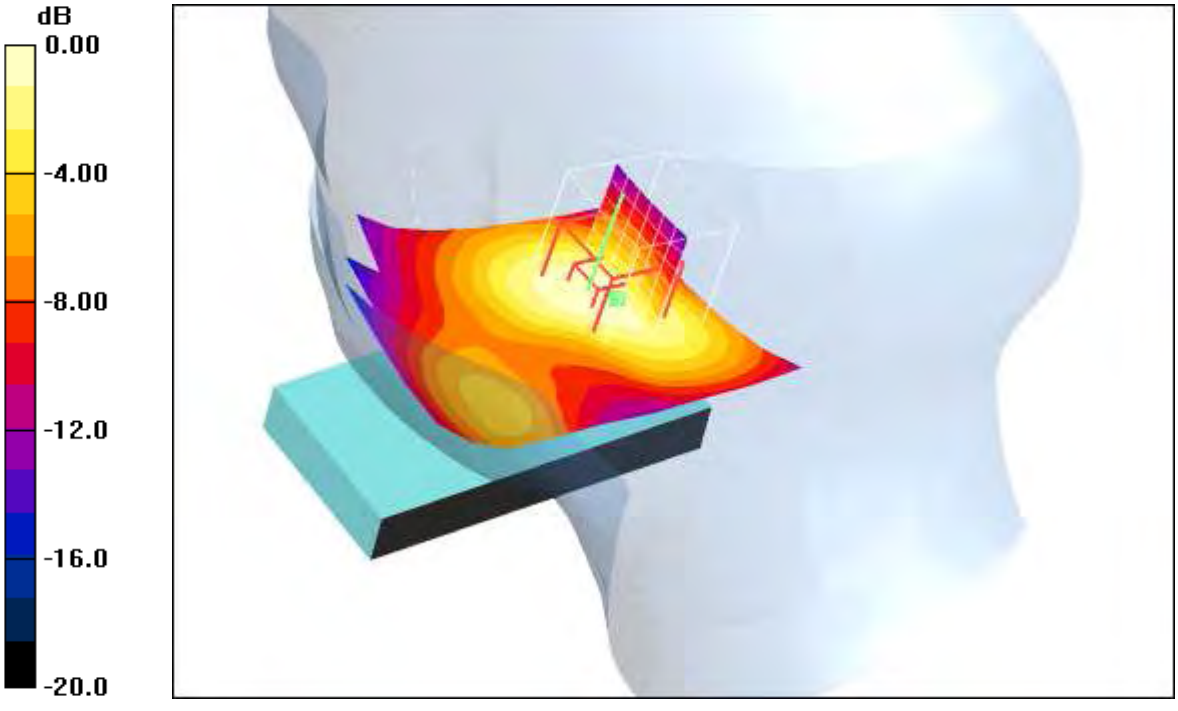
DUT: Sony Ericsson; Type: AAD-3252081-BV; Serial: CB5112VESN
Communication System: WCDMA US; Frequency: 1907.6 MHz; Duty Cycle: 1:1
Medium: HSL1900 Medium parameters used (interpolated): f = 1907.6 MHz; σ = 1.41 mho/m; ε_r = 39.7; ρ = 1000 kg/m^3
Phantom section: Right Section
DASY4 Configuration:
- 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: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Tilt position - High/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

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

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

Reference Value = 16.4 V/m; Power Drift = 0.086 dB
Peak SAR (extrapolated) = 0.660 W/kg
SAR(1 g) = 0.351 mW/g; SAR(10 g) = 0.218 mW/g
Maximum value of SAR (measured) = 0.382 mW/g



0 dB = 0.382mW/g

Additional information:
position or distance of DUT to SAM (if not standard head positions) :
ambient temperature: 23.3°C; liquid temperature: 22.1°C

Date/Time: 2008-09-22 17:37:52Date/Time: 2008-09-22 17:43:37Date/Time: 2008-09-22 17:55:12

P1528_OET65-RightHandSide-UMTS-FDD-II open

DUT: Sony Ericsson; Type: AAD-3252081-BV; Serial: CB5112VESN

Communication System: WCDMA US; Frequency: 1852.5 MHz; Duty Cycle: 1:1

Medium: HSL1900 Medium parameters used (interpolated): f = 1852.5 MHz; σ = 1.41 mho/m; ε_r = 39.7; 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: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Touch position - Low/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

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

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

Reference Value = 23.1 V/m; Power Drift = -0.071 dB

Peak SAR (extrapolated) = 1.10 W/kg

SAR(1 g) = 0.726 mW/g; SAR(10 g) = 0.441 mW/g

Maximum value of SAR (measured) = 0.797 mW/g

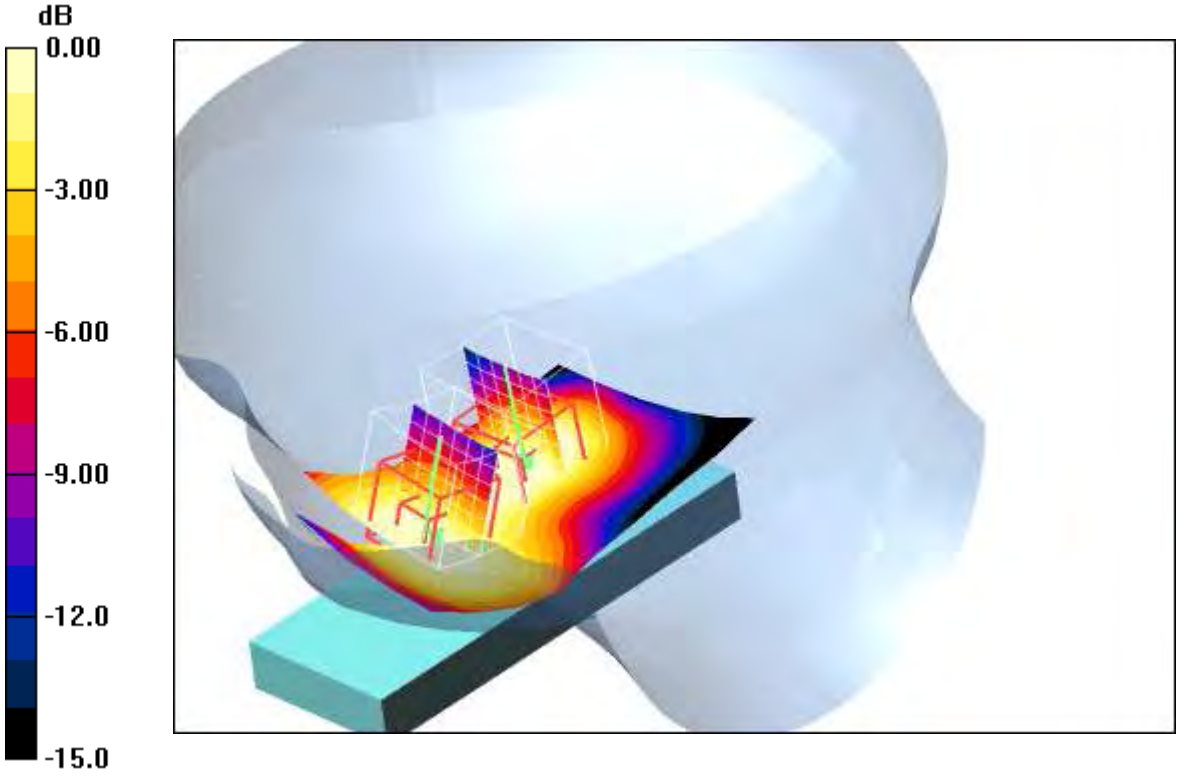
Touch position - Low/Zoom Scan (7x7x7) (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 23.1 V/m; Power Drift = -0.071 dB

Peak SAR (extrapolated) = 1.01 W/kg

SAR(1 g) = 0.649 mW/g; SAR(10 g) = 0.420 mW/g

Maximum value of SAR (measured) = 0.688 mW/g



0 dB = 0.688mW/g

Additional information:

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

ambient temperature: 22.8°C; liquid temperature: 21.6°C

Date/Time: 2008-09-22 18:10:50Date/Time: 2008-09-22 18:16:42Date/Time: 2008-09-22 18:28:42

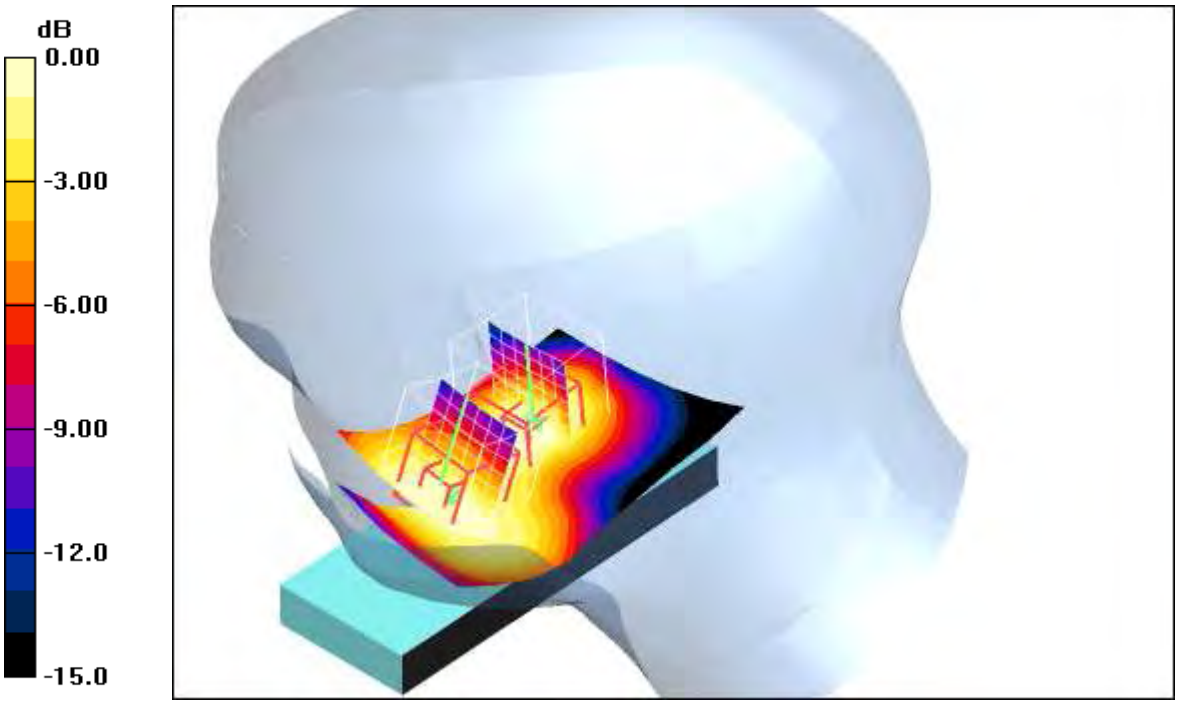
P1528_OET65-RightHandSide-UMTS-FDD-II open

DUT: Sony Ericsson; Type: AAD-3252081-BV; Serial: CB5112VESN
Communication System: WCDMA US; Frequency: 1880 MHz; Duty Cycle: 1:1
Medium: HSL1900 Medium parameters used: f = 1880 MHz; σ = 1.41 mho/m; ε_r = 39.7; 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: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Touch position - Middle/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.749 mW/g

Touch position - Middle/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 22.8 V/m; Power Drift = 0.030 dB
Peak SAR (extrapolated) = 1.04 W/kg
SAR(1 g) = 0.683 mW/g; SAR(10 g) = 0.411 mW/g
Maximum value of SAR (measured) = 0.758 mW/g

Touch position - Middle/Zoom Scan (7x7x7) (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 22.8 V/m; Power Drift = 0.030 dB
Peak SAR (extrapolated) = 1.00 W/kg
SAR(1 g) = 0.640 mW/g; SAR(10 g) = 0.413 mW/g
Maximum value of SAR (measured) = 0.681 mW/g



0 dB = 0.681mW/g

Additional information:
position or distance of DUT to SAM (if not standard head positions) :
ambient temperature: 22.8°C; liquid temperature: 21.6°C

Date/Time: 2008-09-22 18:43:50Date/Time: 2008-09-22 18:50:06Date/Time: 2008-09-22 19:07:15

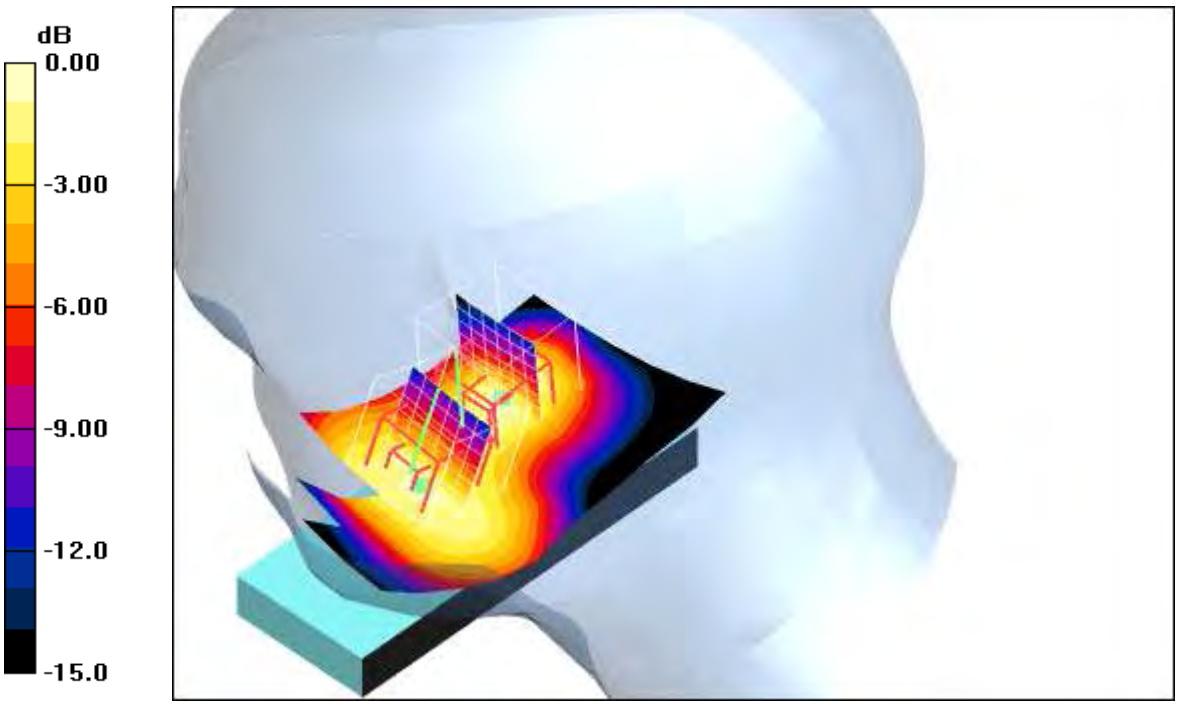
P1528_OET65-RightHandSide-UMTS-FDD-II open

DUT: Sony Ericsson; Type: AAD-3252081-BV; Serial: CB5112VESN
Communication System: WCDMA US; Frequency: 1907.6 MHz; Duty Cycle: 1:1
Medium: HSL1900 Medium parameters used (interpolated): f = 1907.6 MHz; σ = 1.41 mho/m; ε_r = 39.7; 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: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Touch position - High/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.658 mW/g

Touch position - High/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 22.0 V/m; Power Drift = 0.158 dB
Peak SAR (extrapolated) = 0.904 W/kg
SAR(1 g) = 0.550 mW/g; SAR(10 g) = 0.338 mW/g
Maximum value of SAR (measured) = 0.598 mW/g

Touch position - High/Zoom Scan (7x7x7) (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 22.0 V/m; Power Drift = 0.158 dB
Peak SAR (extrapolated) = 1.12 W/kg
SAR(1 g) = 0.691 mW/g; SAR(10 g) = 0.432 mW/g
Maximum value of SAR (measured) = 0.754 mW/g



0 dB = 0.754mW/g

Additional information:
position or distance of DUT to SAM (if not standard head positions) :
ambient temperature: 22.8°C; liquid temperature: 21.6°C

Date/Time: 2008-09-22 20:07:38Date/Time: 2008-09-22 20:18:44

P1528_OET65-RightHandSide-UMTS-FDD-II open

DUT: Sony Ericsson; Type: AAD-3252081-BV; Serial: CB5112VESN

Communication System: WCDMA US; Frequency: 1852.5 MHz;Duty Cycle: 1:1

Medium: HSL1900 Medium parameters used (interpolated): f = 1852.5 MHz; σ = 1.41 mho/m; ε_r = 39.7; 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: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Tilt position - Low/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.885 mW/g

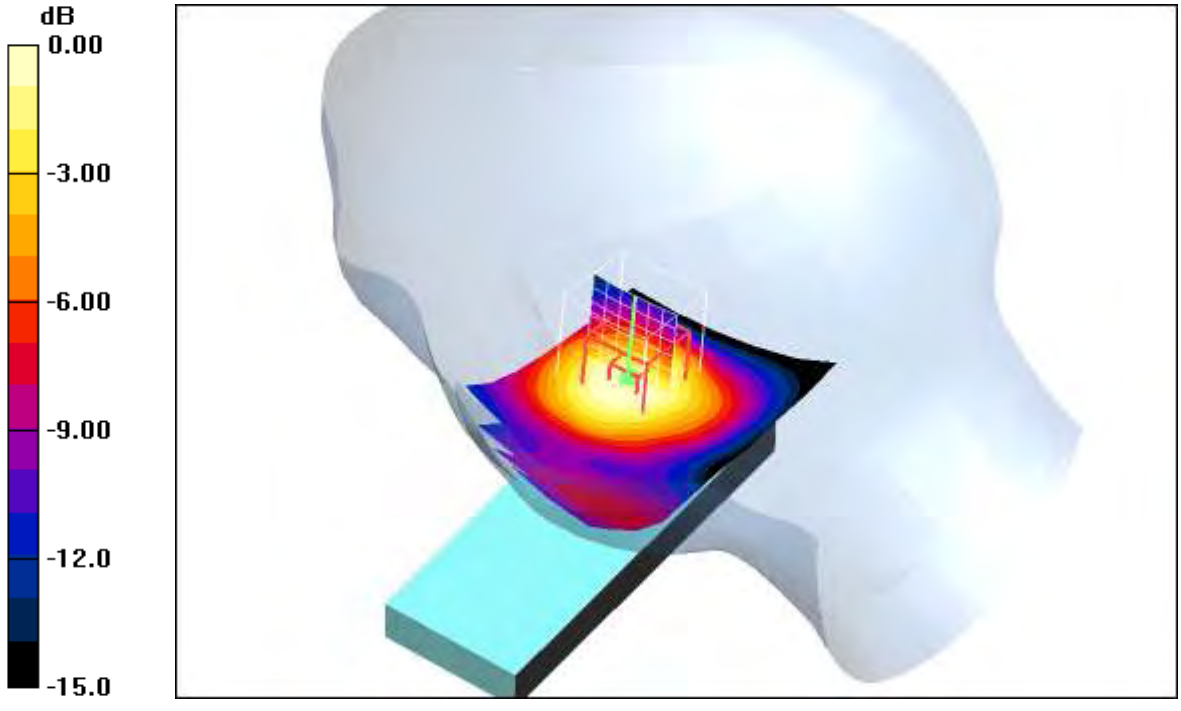
Tilt position - Low/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 23.5 V/m; Power Drift = -0.184 dB

Peak SAR (extrapolated) = 1.09 W/kg

SAR(1 g) = 0.691 mW/g; SAR(10 g) = 0.414 mW/g

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



0 dB = 0.739mW/g

Additional information:

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

ambient temperature: 22.8°C; liquid temperature: 21.6°C

Date/Time: 2008-09-22 19:47:43Date/Time: 2008-09-22 19:54:04

P1528_OET65-RightHandSide-UMTS-FDD-II open

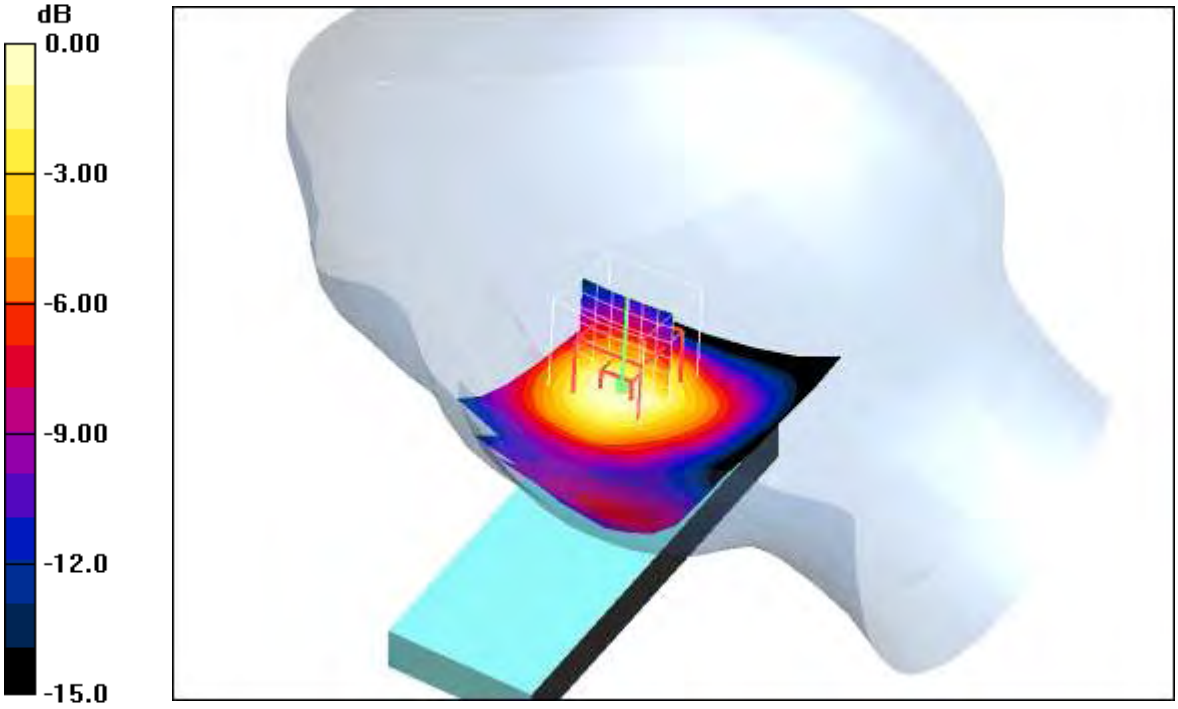
DUT: Sony Ericsson; Type: AAD-3252081-BV; Serial: CB5112VESN
Communication System: WCDMA US; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: HSL1900 Medium parameters used: f = 1880 MHz; σ = 1.41 mho/m; ε_r = 39.7; ρ = 1000 kg/m^3
Phantom section: Right Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1558; ConvF(4.96, 4.96, 4.96); Calibrated: 2008-08-15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn413; Calibrated: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

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

Maximum value of SAR (interpolated) = 0.878 mW/g

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

Reference Value = 23.6 V/m; Power Drift = -0.024 dB
Peak SAR (extrapolated) = 1.14 W/kg
SAR(1 g) = 0.725 mW/g; SAR(10 g) = 0.431 mW/g
Maximum value of SAR (measured) = 0.785 mW/g



0 dB = 0.785mW/g

Additional information:
position or distance of DUT to SAM (if not standard head positions) :
ambient temperature: 22.8°C; liquid temperature: 21.6°C

Date/Time: 2008-09-22 19:25:17Date/Time: 2008-09-22 19:31:34

P1528_OET65-RightHandSide-UMTS-FDD-II open

DUT: Sony Ericsson; Type: AAD-3252081-BV; Serial: CB5112VESN

Communication System: WCDMA US; Frequency: 1907.6 MHz;Duty Cycle: 1:1

Medium: HSL1900 Medium parameters used (interpolated): f = 1907.6 MHz; σ = 1.41 mho/m; ε_r = 39.7; 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: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Tilt position - High/Area Scan (51x91x1):
Measurement grid: dx=15mm, dy=15mm

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

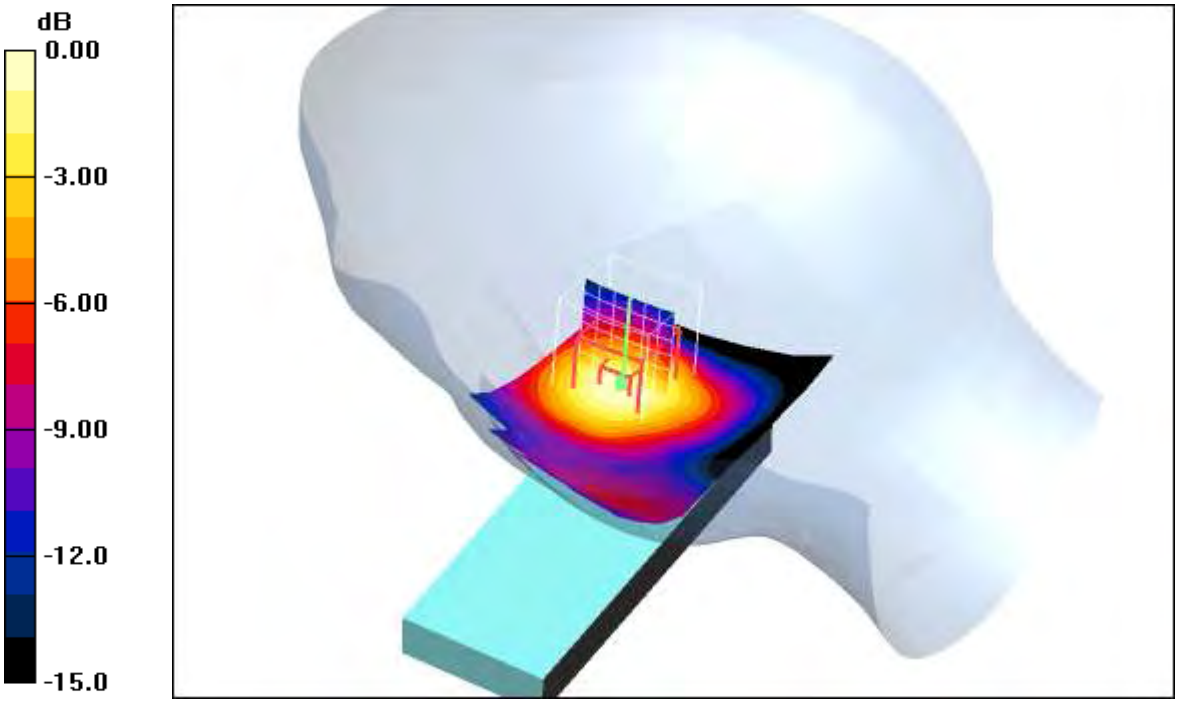
Tilt position - High/Zoom Scan (7x7x7) (7x7x7)/Cube 0:
Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 22.4 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.13 W/kg

SAR(1 g) = 0.696 mW/g; SAR(10 g) = 0.408 mW/g

Maximum value of SAR (measured) = 0.760 mW/g



0 dB = 0.760mW/g

Additional information:

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

ambient temperature: 22.8°C; liquid temperature: 21.6°C

Annex 2.8 UMTS (WCDMA) FDD II body

Date/Time: 2008-09-23 16:09:53Date/Time: 2008-09-23 16:15:45

P1528_OET65-Body-UMTS-FDD-II

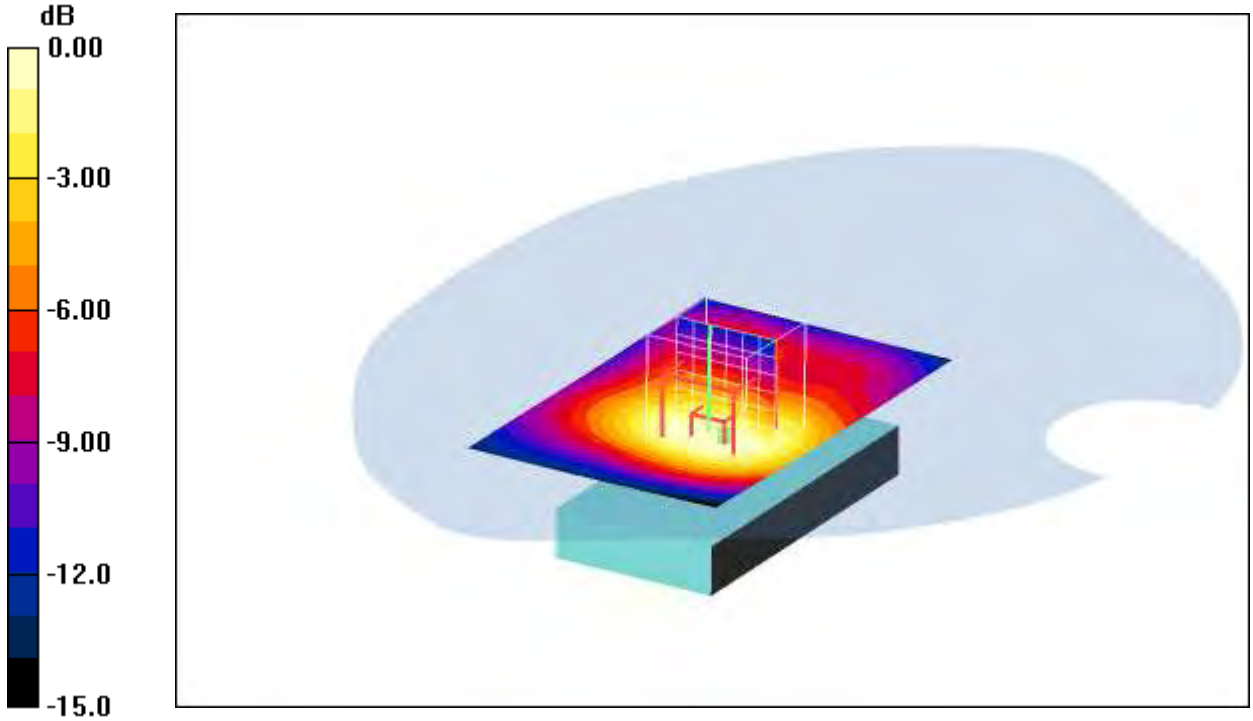
DUT: Sony Ericsson; Type: AAD-3252081-BV; Serial: CB5112VESN
Communication System: WCDMA US; Frequency: 1852.5 MHz; Duty Cycle: 1:1
Medium: M1900 Medium parameters used (interpolated): f = 1852.5 MHz; σ = 1.52 mho/m; ε_r = 52.6; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: 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: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Front position - Low/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.297 mW/g

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

Reference Value = 14.1 V/m; Power Drift = -0.131 dB
Peak SAR (extrapolated) = 0.427 W/kg
SAR(1 g) = 0.257 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 : 15 mm
ambient temperature: 23.3°C; liquid temperature: 21.8°C

Date/Time: 2008-09-23 16:29:40Date/Time: 2008-09-23 16:35:40

P1528_OET65-Body-UMTS-FDD-II

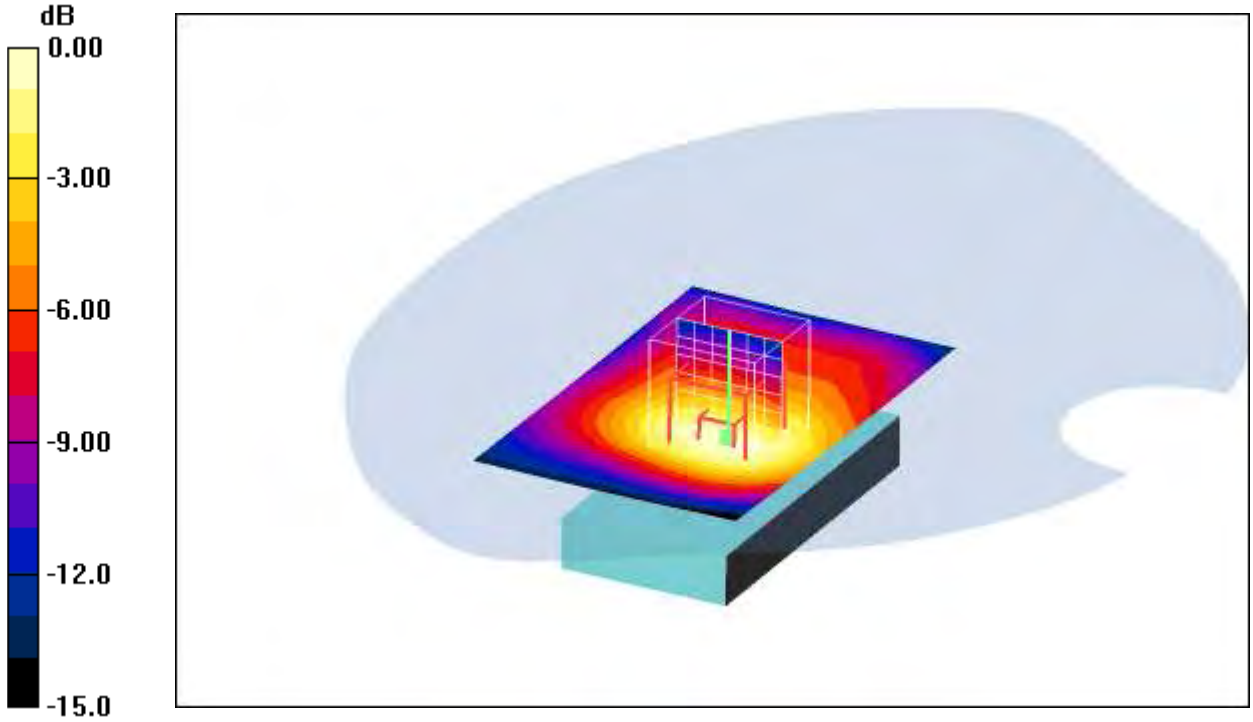
DUT: Sony Ericsson; Type: AAD-3252081-BV; Serial: CB5112VESN
Communication System: WCDMA US; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: M1900 Medium parameters used: f = 1880 MHz; σ = 1.52 mho/m; ε_r = 52.6; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1558; ConvF(4.39, 4.39, 4.39); Calibrated: 2008-08-15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn413; Calibrated: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Front position - Middle/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

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

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

Reference Value = 13.8 V/m; Power Drift = -0.019 dB
Peak SAR (extrapolated) = 0.413 W/kg
SAR(1 g) = 0.246 mW/g; SAR(10 g) = 0.149 mW/g
Maximum value of SAR (measured) = 0.262 mW/g



0 dB = 0.262mW/g

Additional information:
position or distance of DUT to SAM : 15 mm
ambient temperature: 23.3°C; liquid temperature: 21.8°C

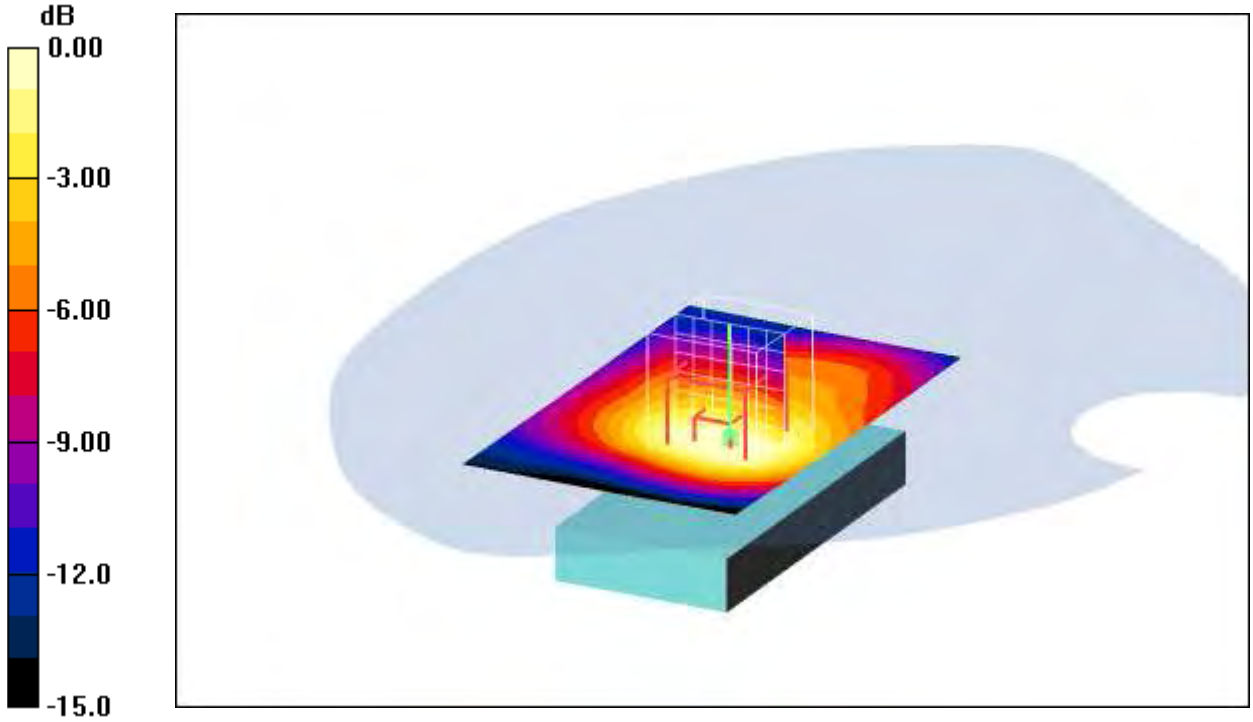
Date/Time: 2008-09-23 16:49:35Date/Time: 2008-09-23 16:55:23

P1528_OET65-Body-UMTS-FDD-II

DUT: Sony Ericsson; Type: AAD-3252081-BV; Serial: CB5112VESN
Communication System: WCDMA US; Frequency: 1907.6 MHz;Duty Cycle: 1:1
Medium: M1900 Medium parameters used (interpolated): f = 1907.6 MHz; σ = 1.52 mho/m; ε_r = 52.6; 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)Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn413; Calibrated: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Front position - High/Area Scan (51x81x1):
Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.223 mW/g

Front position - High/Zoom Scan (7x7x7) (7x7x7)/Cube 0:
Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 12.2 V/m; Power Drift = -0.063 dB
Peak SAR (extrapolated) = 0.329 W/kg
SAR(1 g) = 0.194 mW/g; SAR(10 g) = 0.117 mW/g
Maximum value of SAR (measured) = 0.208 mW/g



0 dB = 0.208mW/g

Additional information:
position or distance of DUT to SAM : 15 mm
ambient temperature: 23.3°C; liquid temperature: 21.8°C

Date/Time: 2008-09-23 17:54:36Date/Time: 2008-09-23 18:00:33

P1528_OET65-Body-UMTS-FDD-II

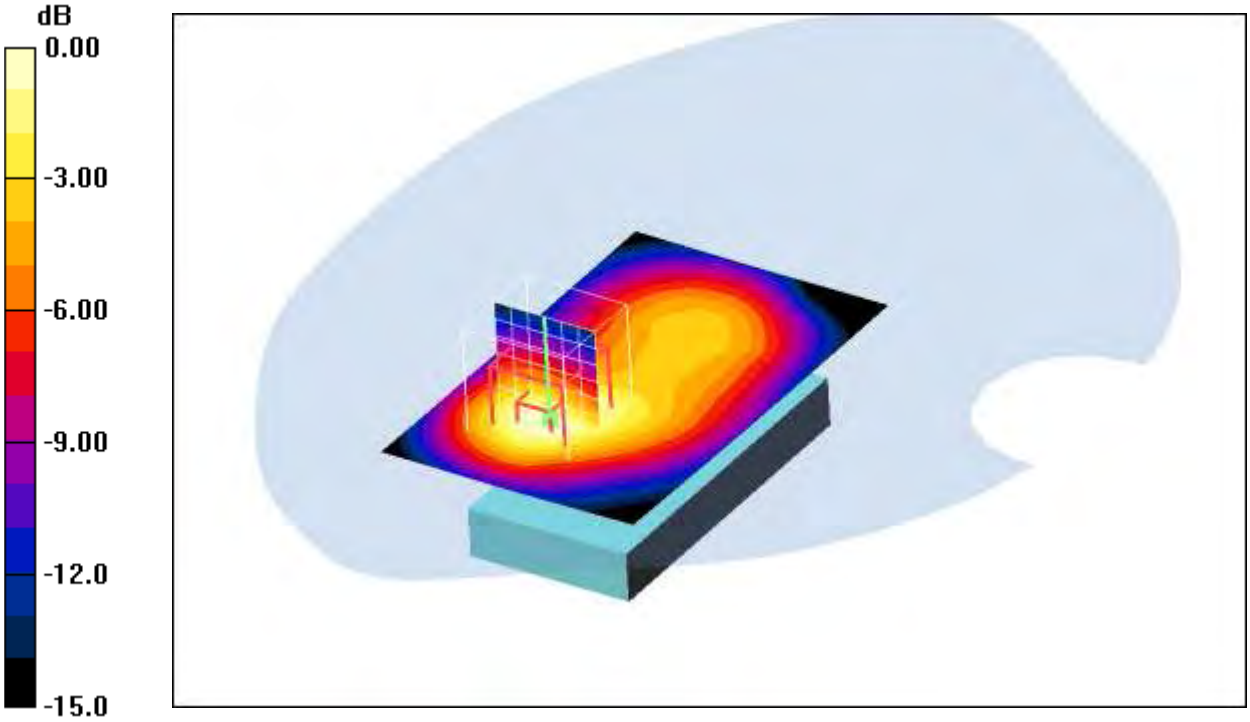
DUT: Sony Ericsson; Type: AAD-3252081-BV; Serial: CB5112VESN
Communication System: WCDMA US; Frequency: 1852.5 MHz;Duty Cycle: 1:1
Medium: M1900 Medium parameters used (interpolated): f = 1852.5 MHz; σ = 1.52 mho/m; ε_r = 52.6; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: 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: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Rear position - Low/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

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

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

Reference Value = 20.3 V/m; Power Drift = 0.024 dB
Peak SAR (extrapolated) = 1.05 W/kg
SAR(1 g) = 0.561 mW/g; SAR(10 g) = 0.312 mW/g
Maximum value of SAR (measured) = 0.605 mW/g



0 dB = 0.605mW/g

Additional information:
position or distance of DUT to SAM : 15 mm
ambient temperature: 23.3°C; liquid temperature: 21.8°C

Date/Time: 2008-09-23 17:34:31Date/Time: 2008-09-23 17:40:22

P1528_OET65-Body-UMTS-FDD-II

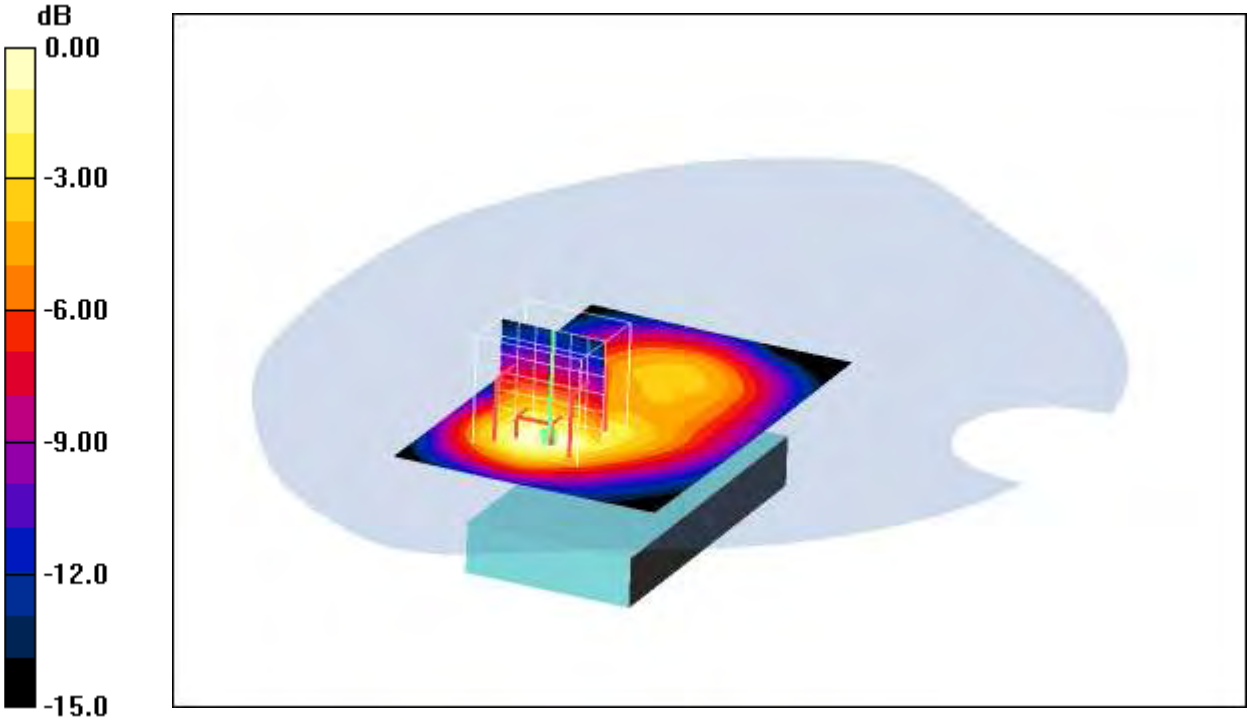
DUT: Sony Ericsson; Type: AAD-3252081-BV; Serial: CB5112VESN
Communication System: WCDMA US; Frequency: 1880 MHz; Duty Cycle: 1:1
Medium: M1900 Medium parameters used: f = 1880 MHz; σ = 1.52 mho/m; ε_r = 52.6; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1558; ConvF(4.39, 4.39, 4.39); Calibrated: 2008-08-15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn413; Calibrated: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Rear position - Middle/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.639 mW/g

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

Reference Value = 20.6 V/m; Power Drift = 0.013 dB
Peak SAR (extrapolated) = 1.08 W/kg
SAR(1 g) = 0.573 mW/g; SAR(10 g) = 0.313 mW/g
Maximum value of SAR (measured) = 0.619 mW/g



0 dB = 0.619mW/g

Additional information:
position or distance of DUT to SAM : 15 mm
ambient temperature: 23.3°C; liquid temperature: 21.8°C

Date/Time: 2008-09-23 17:14:12Date/Time: 2008-09-23 17:20:16

P1528_OET65-Body-UMTS-FDD-II

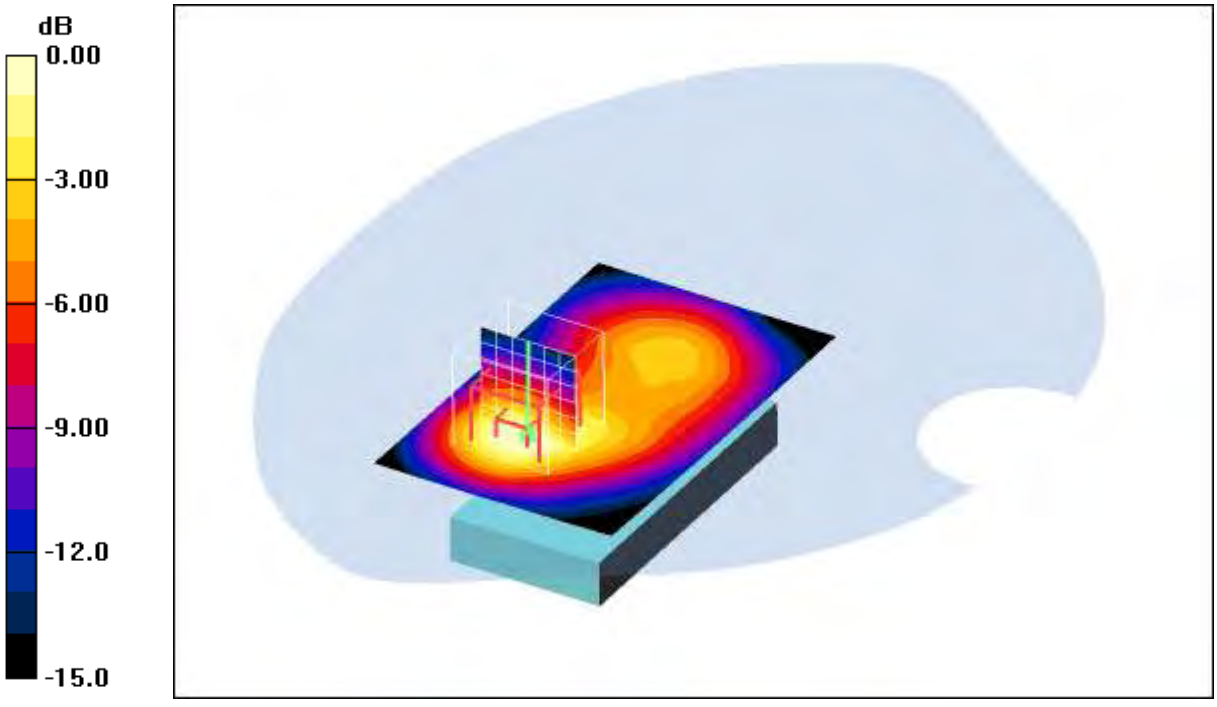
DUT: Sony Ericsson; Type: AAD-3252081-BV; Serial: CB5112VESN
Communication System: WCDMA US; Frequency: 1907.6 MHz; Duty Cycle: 1:1
Medium: M1900 Medium parameters used (interpolated): f = 1907.6 MHz; σ = 1.52 mho/m; ε_r = 52.6; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1558; ConvF(4.39, 4.39, 4.39); Calibrated: 2008-08-15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn413; Calibrated: 2008-01-18
- Phantom: SAM 12; Type: SAM; Serial: 1043
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Rear position - High/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

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

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

Reference Value = 21.5 V/m; Power Drift = -0.103 dB
Peak SAR (extrapolated) = 1.12 W/kg
SAR(1 g) = 0.595 mW/g; SAR(10 g) = 0.324 mW/g
Maximum value of SAR (measured) = 0.639 mW/g



0 dB = 0.639mW/g

Additional information:
position or distance of DUT to SAM : 15 mm
ambient temperature: 23.3°C; liquid temperature: 21.8°C

Annex 2.9 WLAN 2450 MHz head

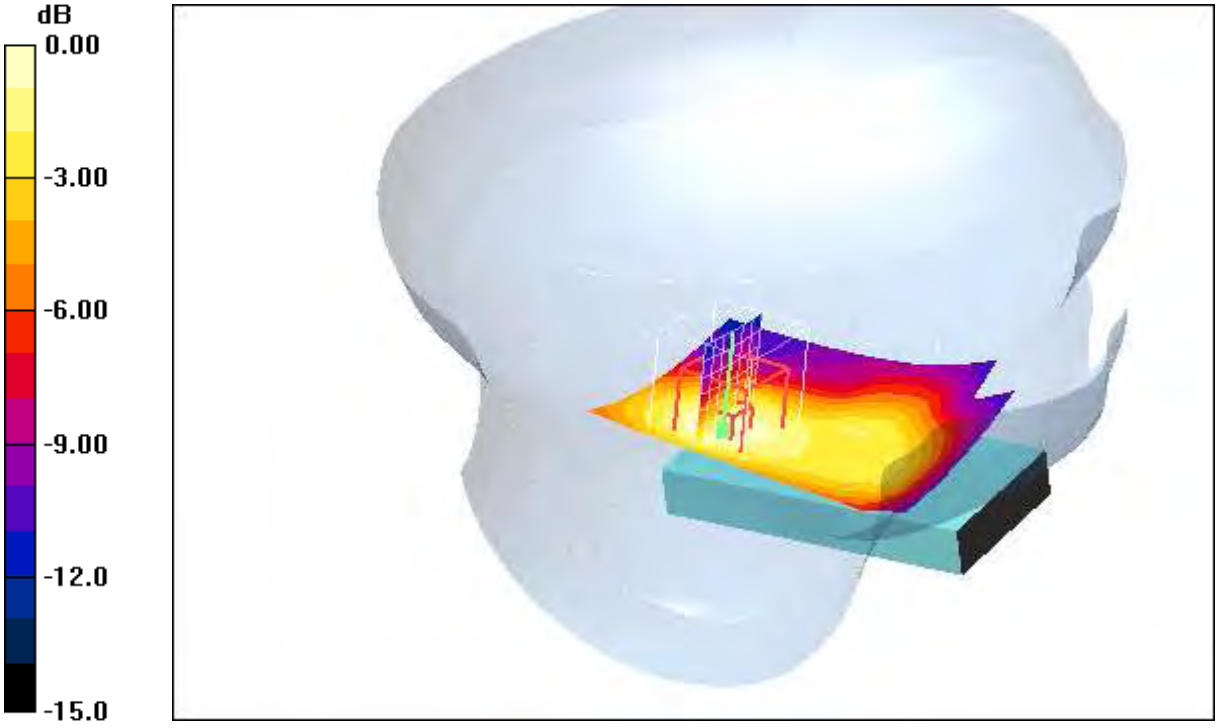
Date/Time: 22.09.2008 16:43:39Date/Time: 22.09.2008 16:52:34

P1528_OET65-LeftHandSide-WLAN

DUT: Sony Ericsson; Type: AAD-3252081-BV; Serial: CB5112VFEC
Communication System: WLAN 2450 US; Frequency: 2412 MHz; Duty Cycle: 1:1
Medium: HSL2450 Medium parameters used (interpolated): f = 2412 MHz; σ = 1.88 mho/m; ε_r = 38.7; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1559; ConvF(4.56, 4.56, 4.56); Calibrated: 23.01.2008
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn477; Calibrated: 14.05.2008
- Phantom: SAM left; Type: SAM; Serial: 1041
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 146

Touch position - Low/Area Scan (51x71x1):
Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.061 mW/g

Touch position - Low/Zoom Scan (7x7x7) (7x7x7)/Cube 0:
Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 5.81 V/m; Power Drift = -0.144 dB
Peak SAR (extrapolated) = 0.088 W/kg
SAR(1 g) = 0.054 mW/g; SAR(10 g) = 0.031 mW/g
Maximum value of SAR (measured) = 0.059 mW/g



0 dB = 0.059mW/g

Additional information:
position or distance of DUT to SAM (if not standard head positions) :
ambient temperature: 20.8°C; liquid temperature: 20.1°C

Date/Time: 22.09.2008 17:10:04Date/Time: 22.09.2008 17:15:50

P1528_OET65-LeftHandSide-WLAN

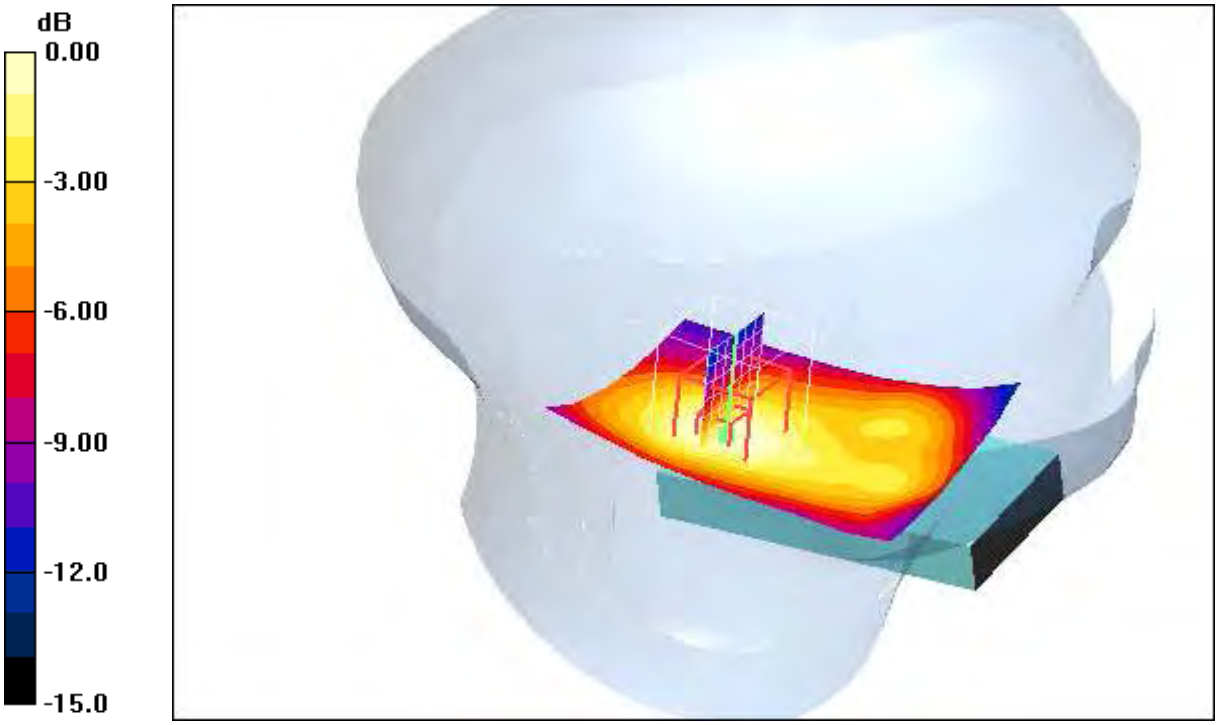
DUT: Sony Ericsson; Type: AAD-3252081-BV; Serial: CB5112VFEC
Communication System: WLAN 2450 US; Frequency: 2437 MHz; Duty Cycle: 1:1
Medium: HSL2450 Medium parameters used (interpolated): f = 2437 MHz; σ = 1.88 mho/m; ε_r = 38.7; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1559; ConvF(4.56, 4.56, 4.56); Calibrated: 23.01.2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn477; Calibrated: 14.05.2008
- Phantom: SAM left; Type: SAM; Serial: 1041
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 146

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

Maximum value of SAR (interpolated) = 0.048 mW/g

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

Reference Value = 5.03 V/m; Power Drift = -0.149 dB
Peak SAR (extrapolated) = 0.075 W/kg
SAR(1 g) = 0.044 mW/g; SAR(10 g) = 0.025 mW/g
Maximum value of SAR (measured) = 0.048 mW/g



0 dB = 0.048mW/g

Additional information:
position or distance of DUT to SAM (if not standard head positions) :
ambient temperature: 20.8°C; liquid temperature: 20.1°C

Date/Time: 22.09.2008 17:33:45Date/Time: 22.09.2008 17:40:06

P1528_OET65-LeftHandSide-WLAN

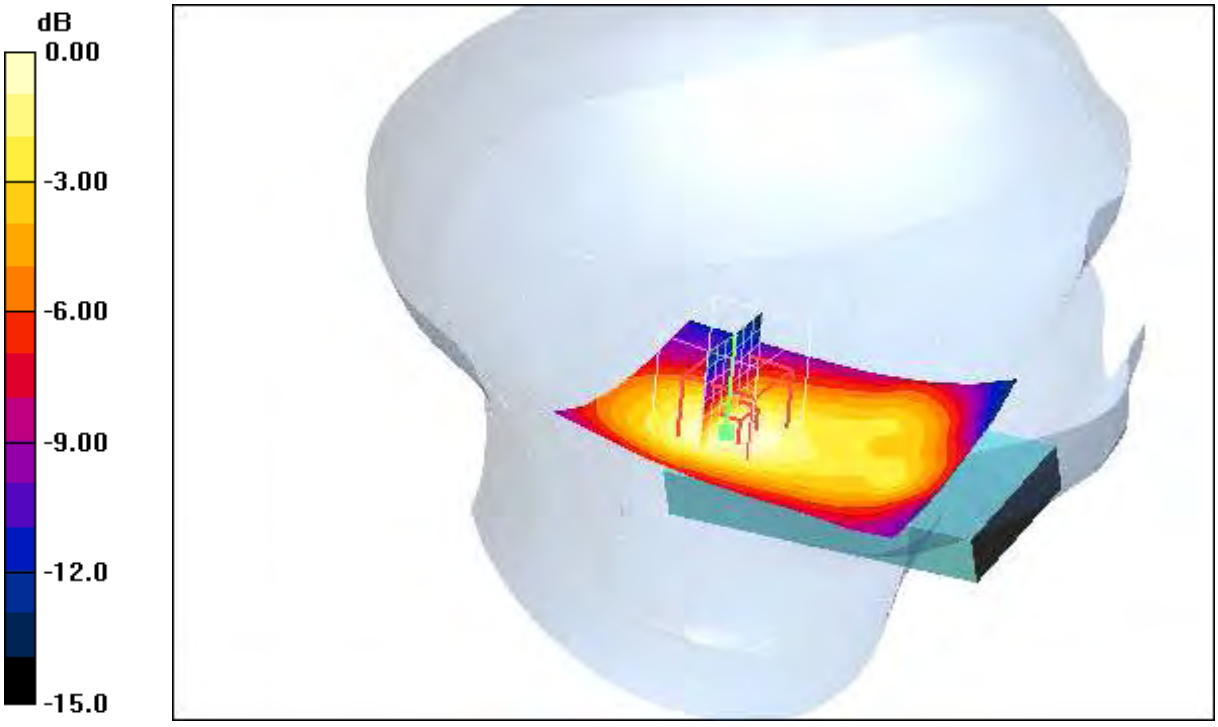
DUT: Sony Ericsson; Type: AAD-3252081-BV; Serial: CB5112VFEC
Communication System: WLAN 2450 US; Frequency: 2462 MHz; Duty Cycle: 1:1
Medium: HSL2450 Medium parameters used (interpolated): f = 2462 MHz; σ = 1.88 mho/m; ε_r = 38.7; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1559; ConvF(4.56, 4.56, 4.56); Calibrated: 23.01.2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn477; Calibrated: 14.05.2008
- Phantom: SAM left; Type: SAM; Serial: 1041
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 146

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

Maximum value of SAR (interpolated) = 0.040 mW/g

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

Reference Value = 4.60 V/m; Power Drift = 0.013 dB
Peak SAR (extrapolated) = 0.065 W/kg
SAR(1 g) = 0.037 mW/g; SAR(10 g) = 0.021 mW/g
Maximum value of SAR (measured) = 0.041 mW/g



0 dB = 0.041mW/g

Additional information:
position or distance of DUT to SAM (if not standard head positions) :
ambient temperature: 20.8°C; liquid temperature: 20.1°C

Date/Time: 22.09.2008 17:57:15Date/Time: 22.09.2008 18:03:33

P1528_OET65-LeftHandSide-WLAN

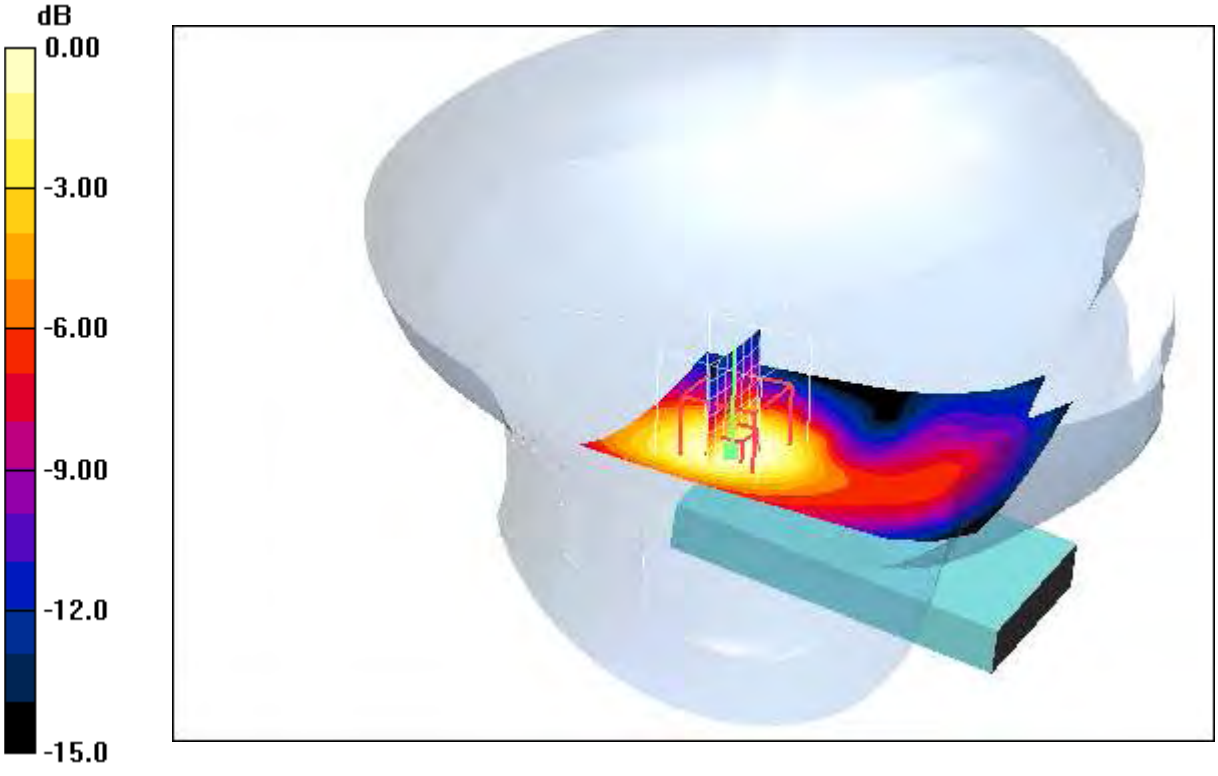
DUT: Sony Ericsson; Type: AAD-3252081-BV; Serial: CB5112VFEC
Communication System: WLAN 2450 US; Frequency: 2412 MHz;Duty Cycle: 1:1
Medium: HSL2450 Medium parameters used (interpolated): f = 2412 MHz; σ = 1.88 mho/m; ε_r = 38.7; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1559; ConvF(4.56, 4.56, 4.56); Calibrated: 23.01.2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn477; Calibrated: 14.05.2008
- Phantom: SAM left; Type: SAM; Serial: 1041
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 146

Tilt position - Low/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.061 mW/g

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

Reference Value = 5.79 V/m; Power Drift = 0.033 dB
Peak SAR (extrapolated) = 0.095 W/kg
SAR(1 g) = 0.055 mW/g; SAR(10 g) = 0.031 mW/g
Maximum value of SAR (measured) = 0.060 mW/g



0 dB = 0.060mW/g

Additional information:
position or distance of DUT to SAM (if not standard head positions) :
ambient temperature: 20.8°C; liquid temperature: 20.1°C

Date/Time: 22.09.2008 18:18:48Date/Time: 22.09.2008 18:25:33

P1528_OET65-LeftHandSide-WLAN

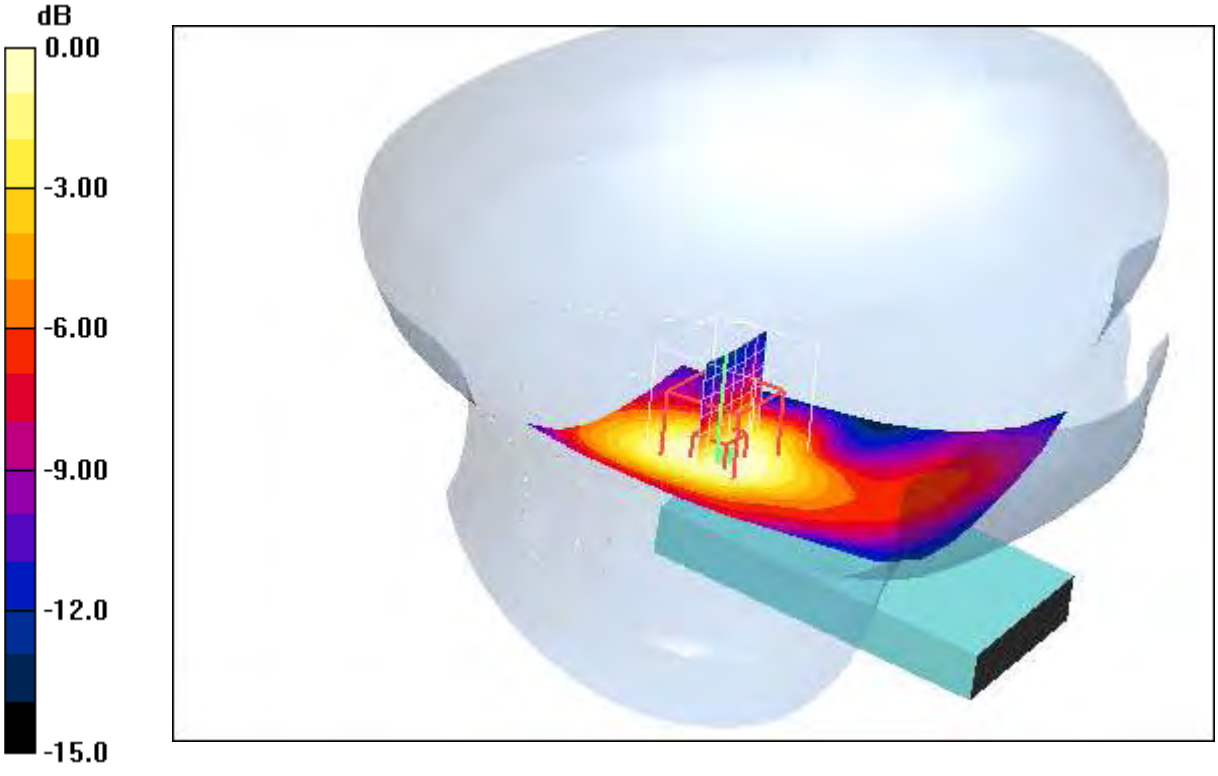
DUT: Sony Ericsson; Type: AAD-3252081-BV; Serial: CB5112VFEC
Communication System: WLAN 2450 US; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium: HSL2450 Medium parameters used (interpolated): f = 2437 MHz; σ = 1.88 mho/m; ε_r = 38.7; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1559; ConvF(4.56, 4.56, 4.56); Calibrated: 23.01.2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn477; Calibrated: 14.05.2008
- Phantom: SAM left; Type: SAM; Serial: 1041
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 146

Tilt position - Middle/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.041 mW/g

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

Reference Value = 4.48 V/m; Power Drift = -0.114 dB
Peak SAR (extrapolated) = 0.060 W/kg
SAR(1 g) = 0.035 mW/g; SAR(10 g) = 0.020 mW/g
Maximum value of SAR (measured) = 0.038 mW/g



0 dB = 0.038mW/g

Additional information:
position or distance of DUT to SAM (if not standard head positions) :
ambient temperature: 20.8°C; liquid temperature: 20.1°C

Date/Time: 22.09.2008 18:49:05Date/Time: 22.09.2008 18:55:47

P1528_OET65-LeftHandSide-WLAN

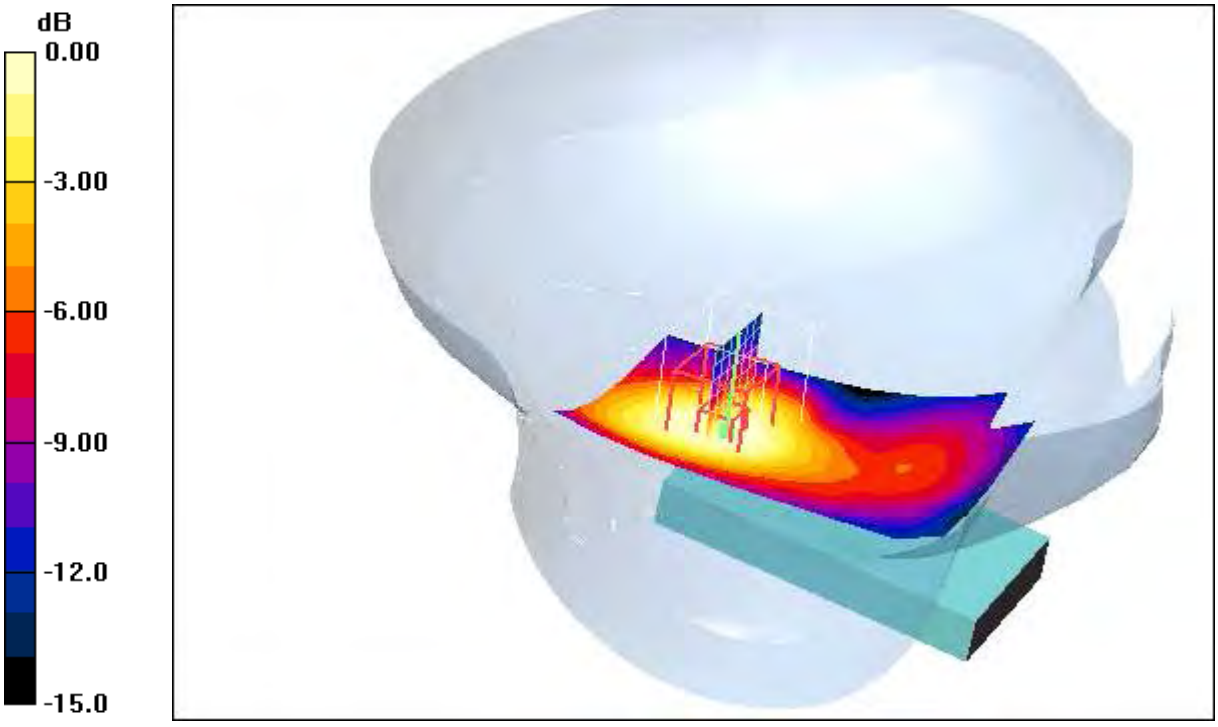
DUT: Sony Ericsson; Type: AAD-3252081-BV; Serial: CB5112VFEC
Communication System: WLAN 2450 US; Frequency: 2462 MHz;Duty Cycle: 1:1
Medium: HSL2450 Medium parameters used (interpolated): f = 2462 MHz; σ = 1.88 mho/m; ε_r = 38.7; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1559; ConvF(4.56, 4.56, 4.56); Calibrated: 23.01.2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn477; Calibrated: 14.05.2008
- Phantom: SAM left; Type: SAM; Serial: 1041
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 146

Tilt position - High/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.039 mW/g

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

Reference Value = 4.55 V/m; Power Drift = -0.170 dB
Peak SAR (extrapolated) = 0.062 W/kg
SAR(1 g) = 0.035 mW/g; SAR(10 g) = 0.020 mW/g
Maximum value of SAR (measured) = 0.037 mW/g



0 dB = 0.037mW/g

Additional information:
position or distance of DUT to SAM (if not standard head positions) :
ambient temperature: 20.8°C; liquid temperature: 20.1°C

Date/Time: 22.09.2008 20:30:22Date/Time: 22.09.2008 20:36:58Date/Time: 22.09.2008 20:49:11

P1528_OET65-LeftHandSide-WLAN-open

DUT: Sony Ericsson; Type: AAD-3252081-BV; Serial: CB5112VFEC
Communication System: WLAN 2450 US; Frequency: 2412 MHz; Duty Cycle: 1:1
Medium: HSL2450 Medium parameters used (interpolated): f = 2412 MHz; σ = 1.88 mho/m; ε_r = 38.7; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1559; ConvF(4.56, 4.56, 4.56); Calibrated: 23.01.2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn477; Calibrated: 14.05.2008
- Phantom: SAM left; Type: SAM; Serial: 1041
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 146

Touch position - Low/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

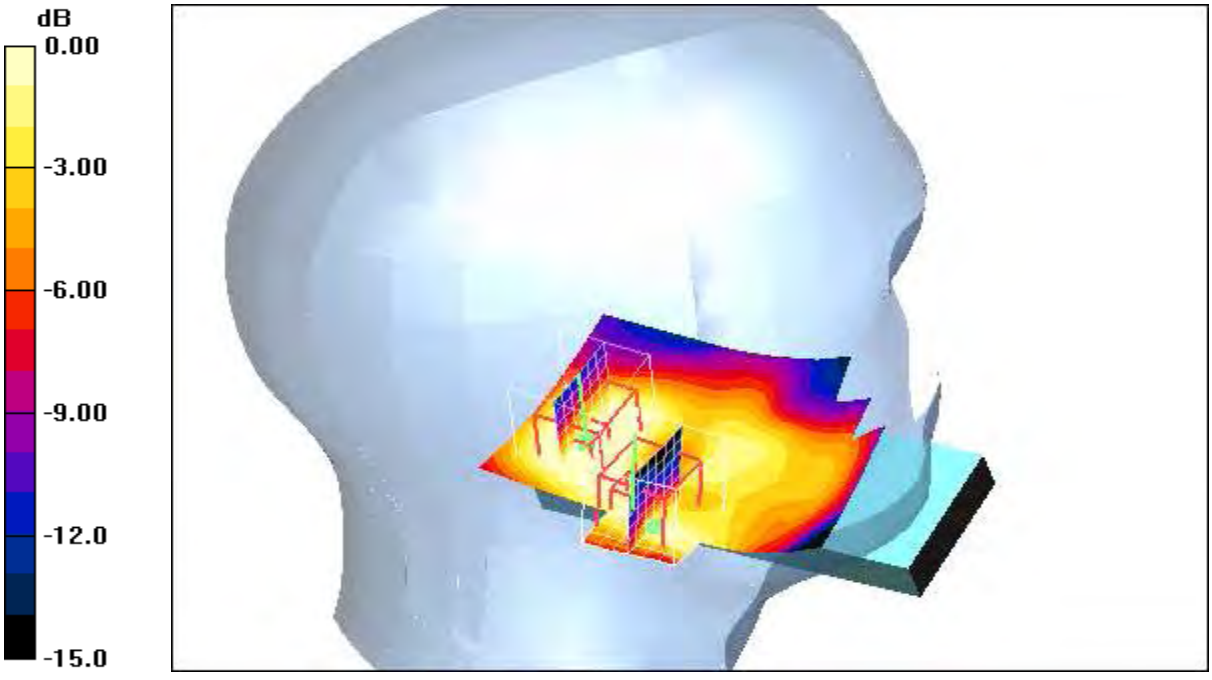
Maximum value of SAR (interpolated) = 0.043 mW/g

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

Reference Value = 4.50 V/m; Power Drift = -0.123 dB
Peak SAR (extrapolated) = 0.072 W/kg
SAR(1 g) = 0.039 mW/g; SAR(10 g) = 0.021 mW/g
Maximum value of SAR (measured) = 0.044 mW/g

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

Reference Value = 4.50 V/m; Power Drift = -0.123 dB
Peak SAR (extrapolated) = 0.059 W/kg
SAR(1 g) = 0.027 mW/g; SAR(10 g) = 0.013 mW/g
Maximum value of SAR (measured) = 0.029 mW/g



0 dB = 0.029mW/g

Additional information:
position or distance of DUT to SAM (if not standard head positions) :
ambient temperature: 20.9°C; liquid temperature: 20.1°C

Date/Time: 22.09.2008 21:05:19Date/Time: 22.09.2008 21:12:07Date/Time: 22.09.2008 21:24:24

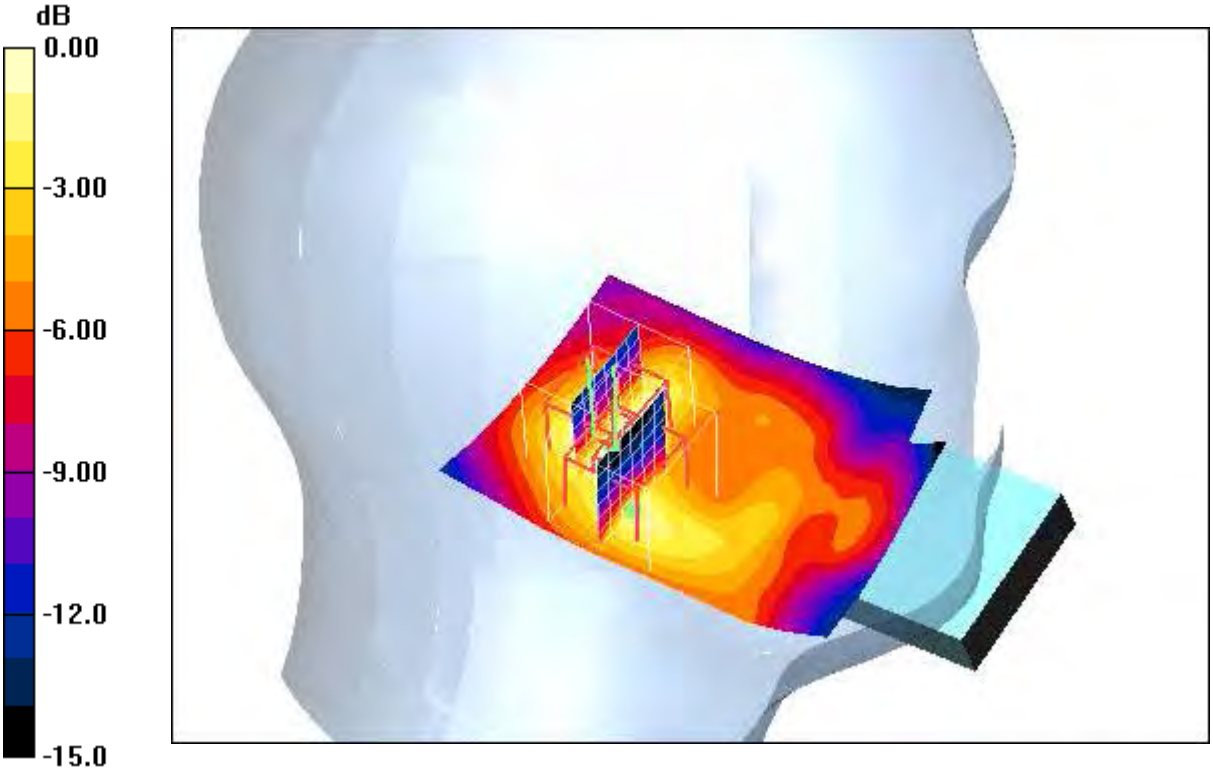
P1528_OET65-LeftHandSide-WLAN-open

DUT: Sony Ericsson; Type: AAD-3252081-BV; Serial: CB5112VFEC
Communication System: WLAN 2450 US; Frequency: 2437 MHz; Duty Cycle: 1:1
Medium: HSL2450 Medium parameters used (interpolated): f = 2437 MHz; σ = 1.88 mho/m; ε_r = 38.7; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1559; ConvF(4.56, 4.56, 4.56); Calibrated: 23.01.2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn477; Calibrated: 14.05.2008
- Phantom: SAM left; Type: SAM; Serial: 1041
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 146

Touch position - Middle/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.031 mW/g

Touch position - Middle/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 4.19 V/m; Power Drift = 0.102 dB
Peak SAR (extrapolated) = 0.053 W/kg
SAR(1 g) = 0.029 mW/g; SAR(10 g) = 0.015 mW/g
Maximum value of SAR (measured) = 0.031 mW/g

Touch position - Middle/Zoom Scan (7x7x7) (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 4.19 V/m; Power Drift = 0.102 dB
Peak SAR (extrapolated) = 0.054 W/kg
SAR(1 g) = 0.024 mW/g; SAR(10 g) = 0.011 mW/g
Maximum value of SAR (measured) = 0.030 mW/g



0 dB = 0.030mW/g

Additional information:
position or distance of DUT to SAM (if not standard head positions) :
ambient temperature: 20.9°C; liquid temperature: 20.1°C

Date/Time: 22.09.2008 21:29:02Date/Time: 22.09.2008 21:35:52

P1528_OET65-LeftHandSide-WLAN-open

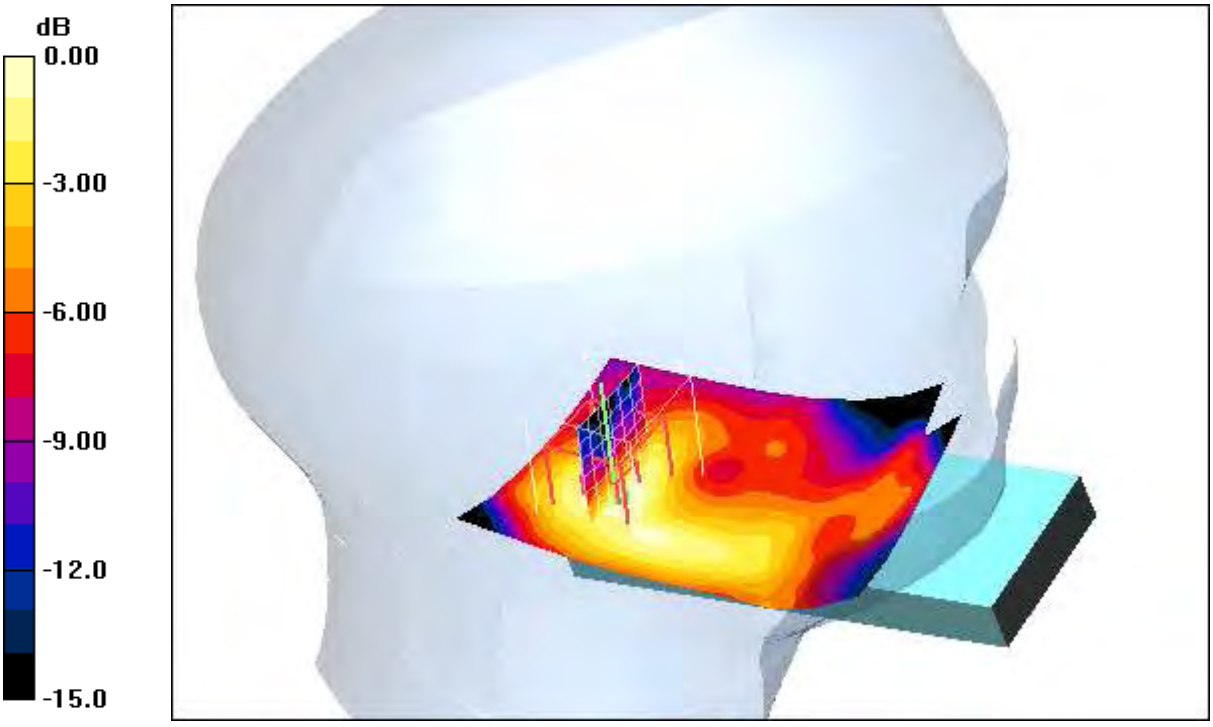
DUT: Sony Ericsson; Type: AAD-3252081-BV; Serial: CB5112VFEC
Communication System: WLAN 2450 US; Frequency: 2462 MHz; Duty Cycle: 1:1
Medium: HSL2450 Medium parameters used (interpolated): f = 2462 MHz; σ = 1.88 mho/m; ε_r = 38.7; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1559; ConvF(4.56, 4.56, 4.56); Calibrated: 23.01.2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn477; Calibrated: 14.05.2008
- Phantom: SAM left; Type: SAM; Serial: 1041
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 146

Touch position - High/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.017 mW/g

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

Reference Value = 3.06 V/m; Power Drift = -0.118 dB
Peak SAR (extrapolated) = 0.040 W/kg
SAR(1 g) = 0.016 mW/g; SAR(10 g) = 0.00803 mW/g
Maximum value of SAR (measured) = 0.017 mW/g



0 dB = 0.017mW/g

Additional information:
position or distance of DUT to SAM (if not standard head positions) :
ambient temperature: 20.9°C; liquid temperature: 20.1°C

Date/Time: 22.09.2008 20:03:11Date/Time: 22.09.2008 20:09:29

P1528_OET65-LeftHandSide-WLAN-open

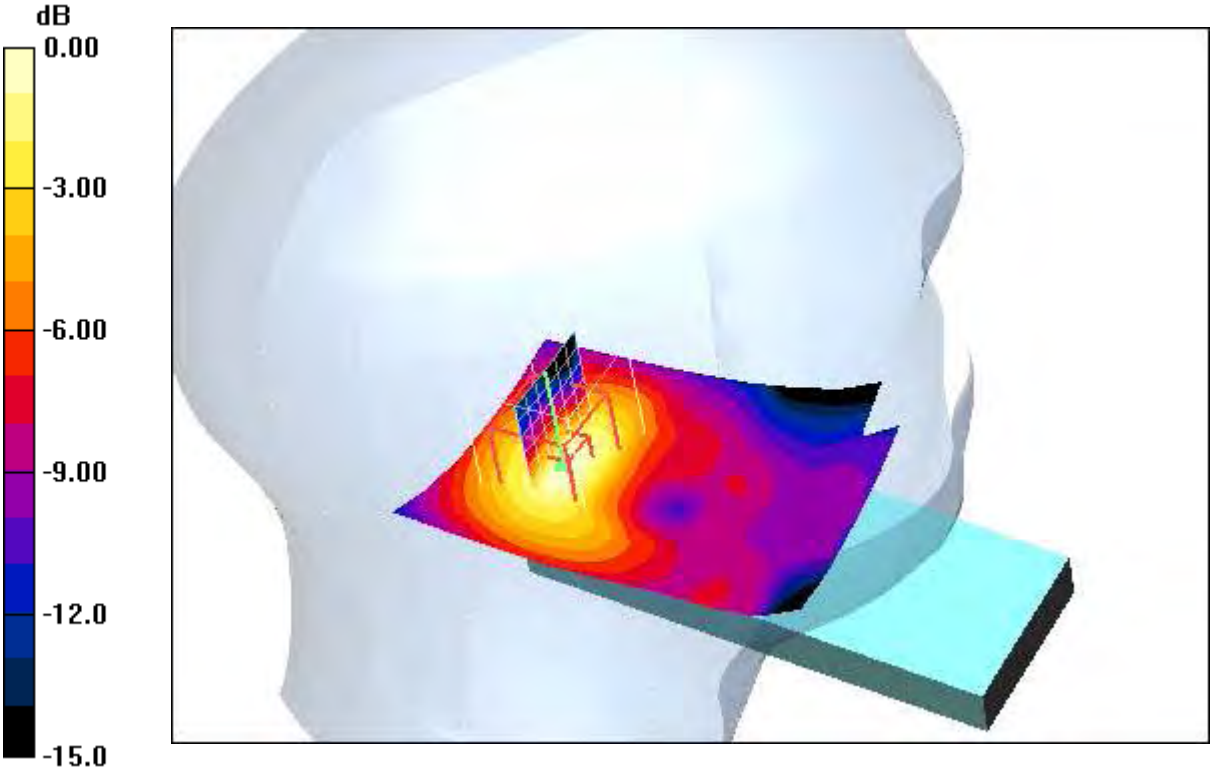
DUT: Sony Ericsson; Type: AAD-3252081-BV; Serial: CB5112VFEC
Communication System: WLAN 2450 US; Frequency: 2412 MHz; Duty Cycle: 1:1
Medium: HSL2450 Medium parameters used (interpolated): f = 2412 MHz; σ = 1.88 mho/m; ε_r = 38.7; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1559; ConvF(4.56, 4.56, 4.56); Calibrated: 23.01.2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn477; Calibrated: 14.05.2008
- Phantom: SAM left; Type: SAM; Serial: 1041
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 146

Tilt position - Low/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.032 mW/g

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

Reference Value = 4.22 V/m; Power Drift = -0.108 dB
Peak SAR (extrapolated) = 0.054 W/kg
SAR(1 g) = 0.032 mW/g; SAR(10 g) = 0.017 mW/g
Maximum value of SAR (measured) = 0.035 mW/g



0 dB = 0.035mW/g

Additional information:
position or distance of DUT to SAM (if not standard head positions) :
ambient temperature: 20.9°C; liquid temperature: 20.1°C

Date/Time: 22.09.2008 19:41:53Date/Time: 22.09.2008 19:48:33

P1528_OET65-LeftHandSide-WLAN-open

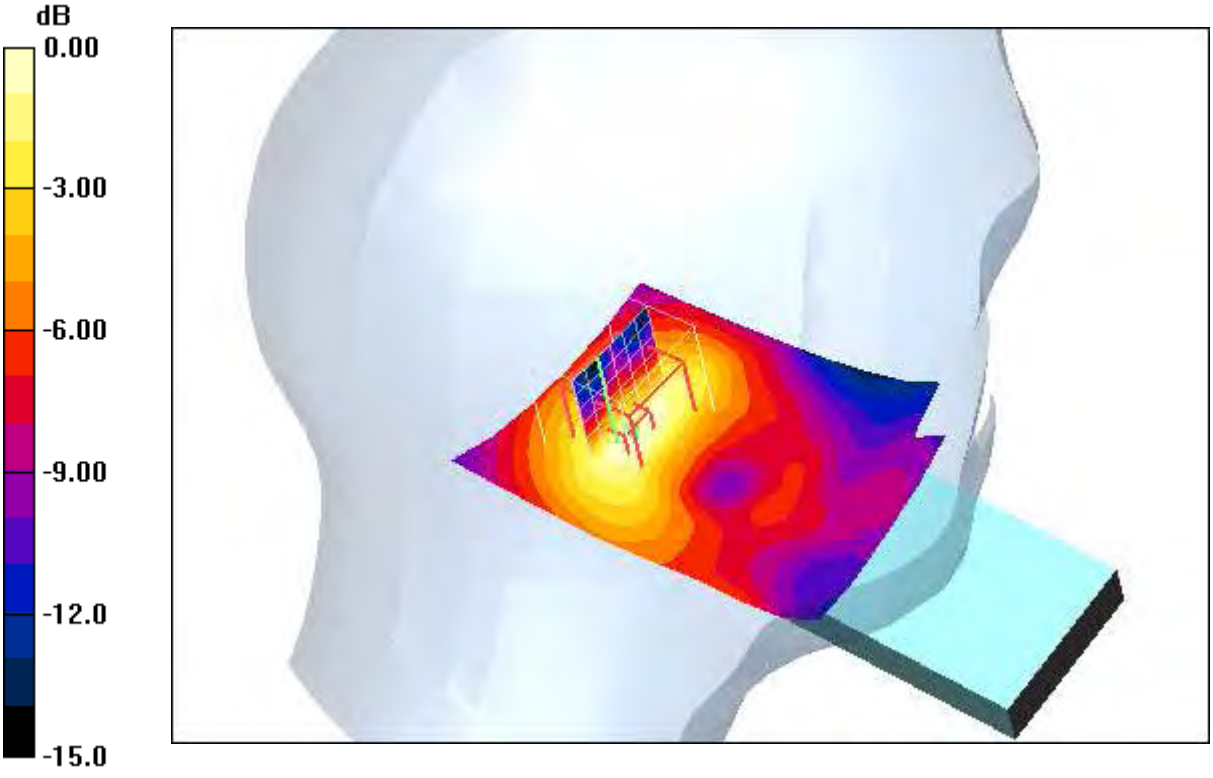
DUT: Sony Ericsson; Type: AAD-3252081-BV; Serial: CB5112VFEC
Communication System: WLAN 2450 US; Frequency: 2437 MHz; Duty Cycle: 1:1
Medium: HSL2450 Medium parameters used (interpolated): f = 2437 MHz; σ = 1.88 mho/m; ε_r = 38.7; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1559; ConvF(4.56, 4.56, 4.56); Calibrated: 23.01.2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn477; Calibrated: 14.05.2008
- Phantom: SAM left; Type: SAM; Serial: 1041
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 146

Tilt position - Middle/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.020 mW/g

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

Reference Value = 3.40 V/m; Power Drift = -0.141 dB
Peak SAR (extrapolated) = 0.033 W/kg
SAR(1 g) = 0.019 mW/g; SAR(10 g) = 0.010 mW/g
Maximum value of SAR (measured) = 0.020 mW/g



0 dB = 0.020mW/g

Additional information:
position or distance of DUT to SAM (if not standard head positions) :
ambient temperature: 20.9°C; liquid temperature: 20.1°C

Date/Time: 22.09.2008 19:20:39Date/Time: 22.09.2008 19:27:23

P1528_OET65-LeftHandSide-WLAN-open

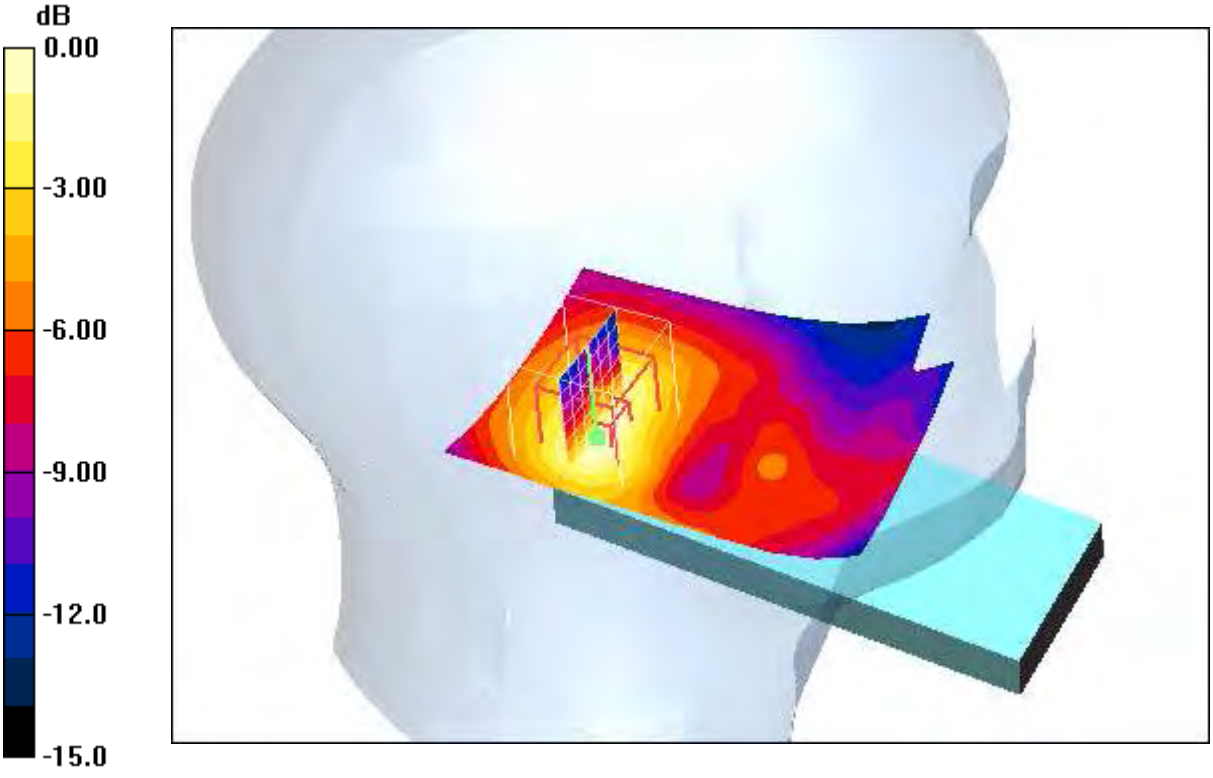
DUT: Sony Ericsson; Type: AAD-3252081-BV; Serial: CB5112VFEC
Communication System: WLAN 2450 US; Frequency: 2462 MHz; Duty Cycle: 1:1
Medium: HSL2450 Medium parameters used (interpolated): f = 2462 MHz; σ = 1.88 mho/m; ε_r = 38.7; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1559; ConvF(4.56, 4.56, 4.56); Calibrated: 23.01.2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn477; Calibrated: 14.05.2008
- Phantom: SAM left; Type: SAM; Serial: 1041
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 146

Tilt position - High/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.015 mW/g

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

Reference Value = 2.96 V/m; Power Drift = -0.117 dB
Peak SAR (extrapolated) = 0.039 W/kg
SAR(1 g) = 0.014 mW/g; SAR(10 g) = 0.00759 mW/g
Maximum value of SAR (measured) = 0.016 mW/g



0 dB = 0.016mW/g

Additional information:
position or distance of DUT to SAM (if not standard head positions) :
ambient temperature: 20.9°C; liquid temperature: 20.1°C

Date/Time: 22.09.2008 08:41:29Date/Time: 22.09.2008 08:47:37

P1528_OET65-RightHandSide-WLAN

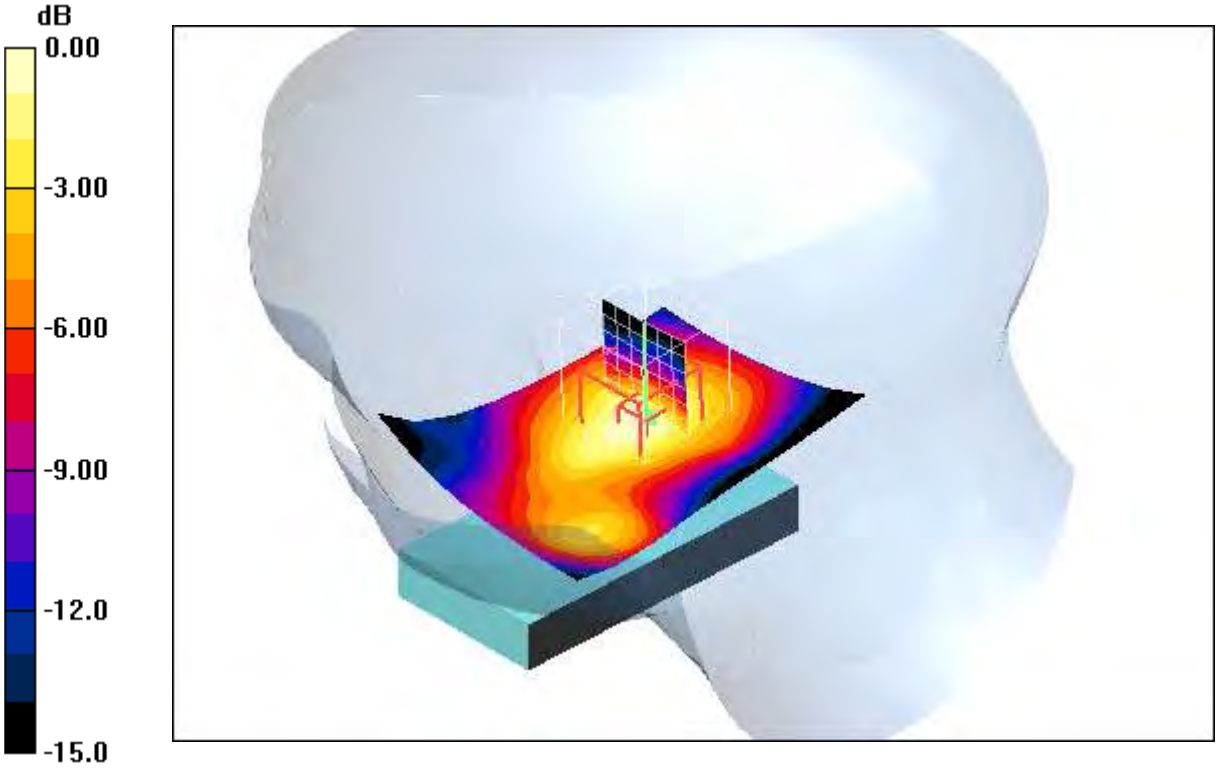
DUT: Sony Ericsson; Type: AAD-3252081-BV; Serial: CB5112VFEC
Communication System: WLAN 2450 US; Frequency: 2412 MHz; Duty Cycle: 1:1
Medium: HSL2450 Medium parameters used (interpolated): f = 2412 MHz; σ = 1.88 mho/m; ε_r = 38.7; ρ = 1000 kg/m^3
Phantom section: Right Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1559; ConvF(4.56, 4.56, 4.56); Calibrated: 23.01.2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn477; Calibrated: 14.05.2008
- Phantom: SAM left; Type: SAM; Serial: 1041
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 146

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

Maximum value of SAR (interpolated) = 0.108 mW/g

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

Reference Value = 7.66 V/m; Power Drift = 0.190 dB
Peak SAR (extrapolated) = 0.183 W/kg
SAR(1 g) = 0.100 mW/g; SAR(10 g) = 0.052 mW/g
Maximum value of SAR (measured) = 0.110 mW/g



0 dB = 0.110mW/g

Additional information:
position or distance of DUT to SAM (if not standard head positions) :
ambient temperature: 23.1°C; liquid temperature: 20.7°C

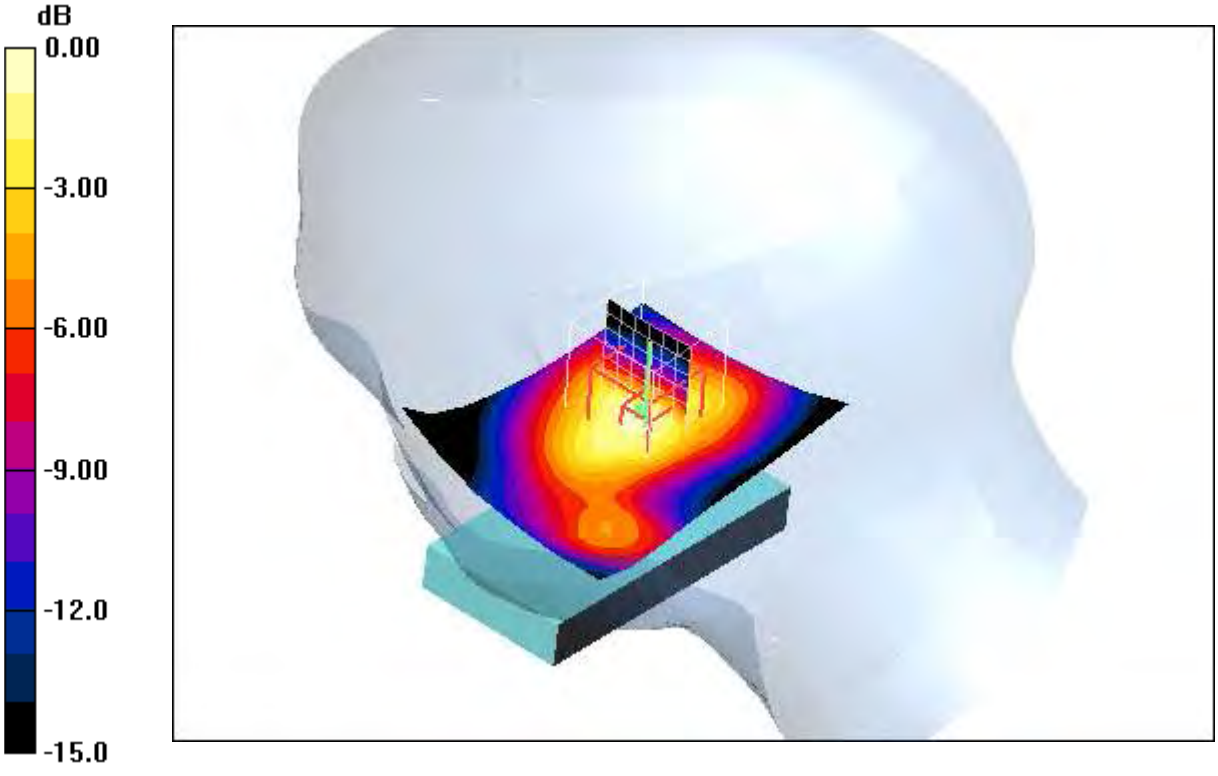
Date/Time: 22.09.2008 09:07:43Date/Time: 22.09.2008 09:13:46

P1528_OET65-RightHandSide-WLAN

DUT: Sony Ericsson; Type: AAD-3252081-BV; Serial: CB5112VFEC
Communication System: WLAN 2450 US; Frequency: 2437 MHz; Duty Cycle: 1:1
Medium: HSL2450 Medium parameters used (interpolated): f = 2437 MHz; σ = 1.88 mho/m; ε_r = 38.7; ρ = 1000 kg/m^3
Phantom section: Right Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1559; ConvF(4.56, 4.56, 4.56); Calibrated: 23.01.2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn477; Calibrated: 14.05.2008
- Phantom: SAM left; Type: SAM; Serial: 1041
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 146

Touch position - Middle/Area Scan (51x71x1):
Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.102 mW/g

Touch position - Middle/Zoom Scan (7x7x7) (7x7x7)/Cube 0:
Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 7.62 V/m; Power Drift = -0.144 dB
Peak SAR (extrapolated) = 0.183 W/kg
SAR(1 g) = 0.094 mW/g; SAR(10 g) = 0.049 mW/g
Maximum value of SAR (measured) = 0.109 mW/g



0 dB = 0.109mW/g

Additional information:
position or distance of DUT to SAM (if not standard head positions) :
ambient temperature: 23.1°C; liquid temperature: 20.7°C

Date/Time: 22.09.2008 09:18:21Date/Time: 22.09.2008 09:23:44

P1528_OET65-RightHandSide-WLAN

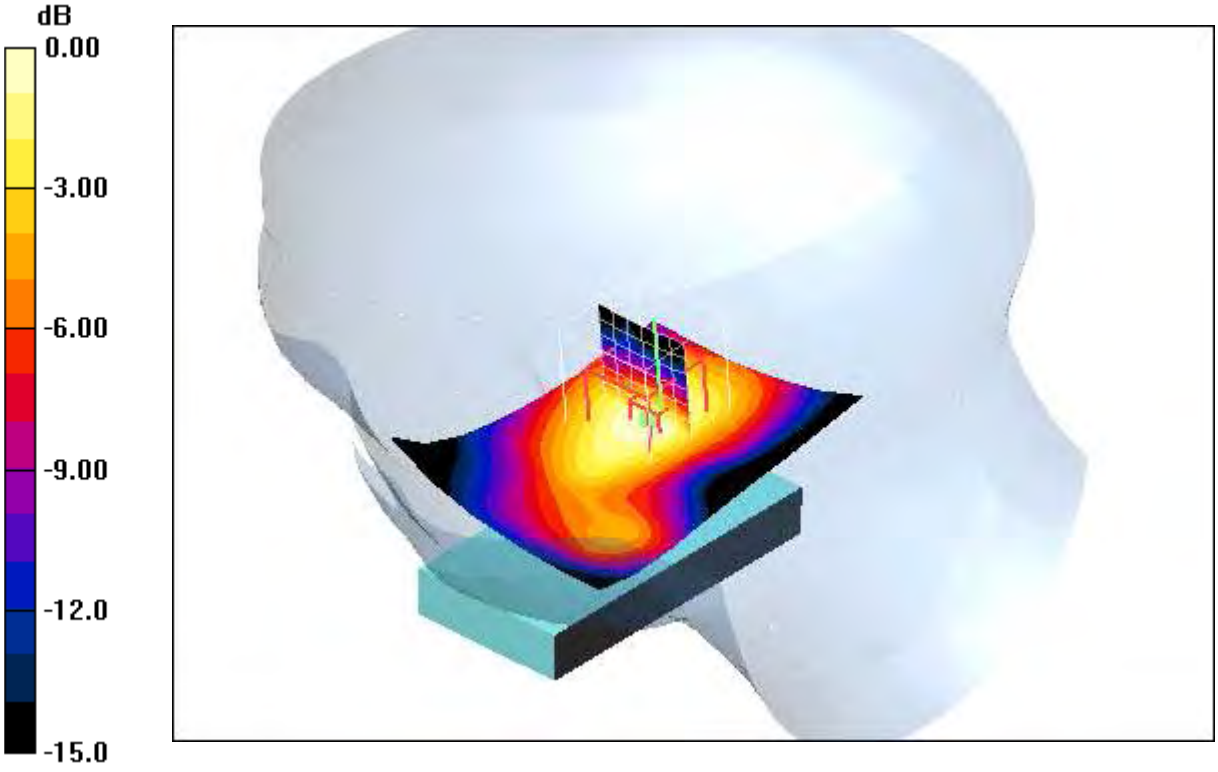
DUT: Sony Ericsson; Type: AAD-3252081-BV; Serial: CB5112VFEC
Communication System: WLAN 2450 US; Frequency: 2462 MHz; Duty Cycle: 1:1
Medium: HSL2450 Medium parameters used (interpolated): f = 2462 MHz; σ = 1.88 mho/m; ε_r = 38.7; ρ = 1000 kg/m^3
Phantom section: Right Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1559; ConvF(4.56, 4.56, 4.56); Calibrated: 23.01.2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn477; Calibrated: 14.05.2008
- Phantom: SAM left; Type: SAM; Serial: 1041
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 146

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

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

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

Reference Value = 6.29 V/m; Power Drift = -0.189 dB
Peak SAR (extrapolated) = 0.115 W/kg
SAR(1 g) = 0.057 mW/g; SAR(10 g) = 0.029 mW/g
Maximum value of SAR (measured) = 0.063 mW/g



0 dB = 0.063mW/g

Additional information:
position or distance of DUT to SAM (if not standard head positions) :
ambient temperature: 23.1°C; liquid temperature: 20.7°C

Date/Time: 22.09.2008 10:13:29Date/Time: 22.09.2008 10:19:52

P1528_OET65-RightHandSide-WLAN

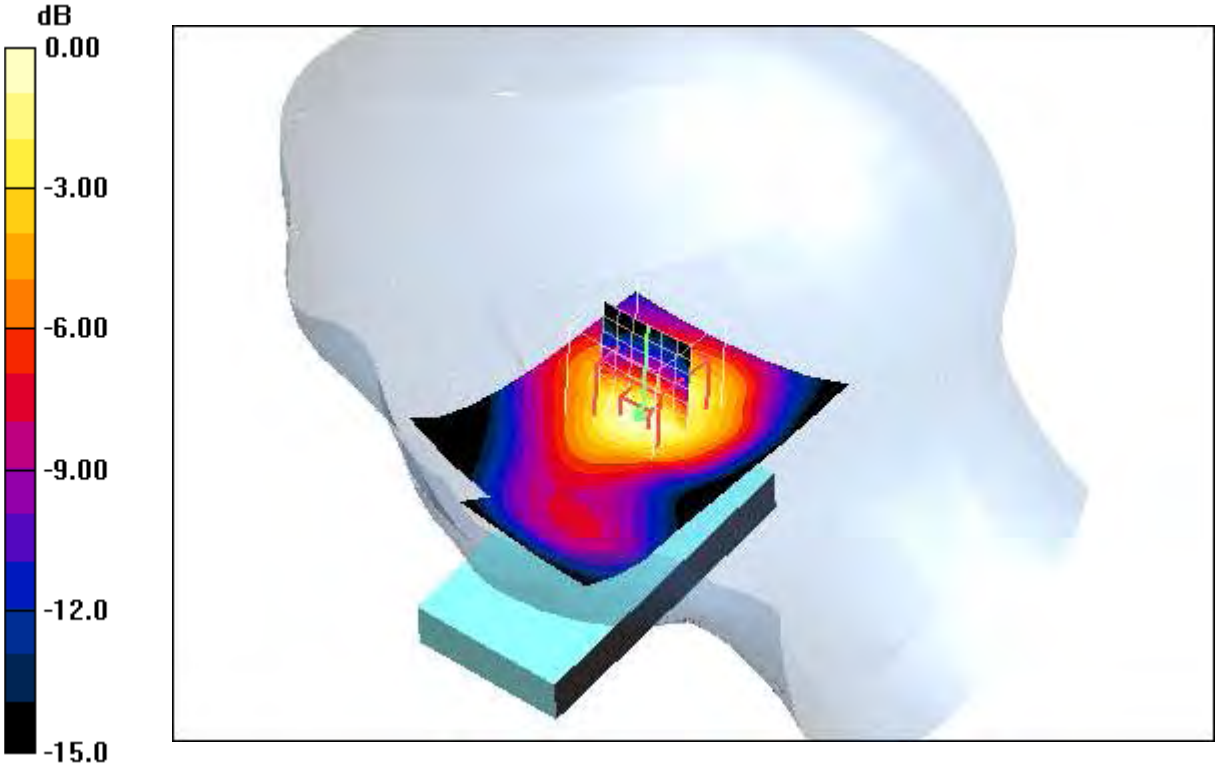
DUT: Sony Ericsson; Type: AAD-3252081-BV; Serial: CB5112VFEC
Communication System: WLAN 2450 US; Frequency: 2412 MHz; Duty Cycle: 1:1
Medium: HSL2450 Medium parameters used (interpolated): f = 2412 MHz; σ = 1.88 mho/m; ε_r = 38.7; ρ = 1000 kg/m^3
Phantom section: Right Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1559; ConvF(4.56, 4.56, 4.56); Calibrated: 23.01.2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn477; Calibrated: 14.05.2008
- Phantom: SAM left; Type: SAM; Serial: 1041
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 146

Tilt position - Low/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.091 mW/g

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

Reference Value = 6.80 V/m; Power Drift = -0.018 dB
Peak SAR (extrapolated) = 0.151 W/kg
SAR(1 g) = 0.083 mW/g; SAR(10 g) = 0.043 mW/g
Maximum value of SAR (measured) = 0.092 mW/g



0 dB = 0.092mW/g

Additional information:
position or distance of DUT to SAM (if not standard head positions) :
ambient temperature: 23.1°C; liquid temperature: 20.7°C

Date/Time: 22.09.2008 10:29:36Date/Time: 22.09.2008 10:36:11

P1528_OET65-RightHandSide-WLAN

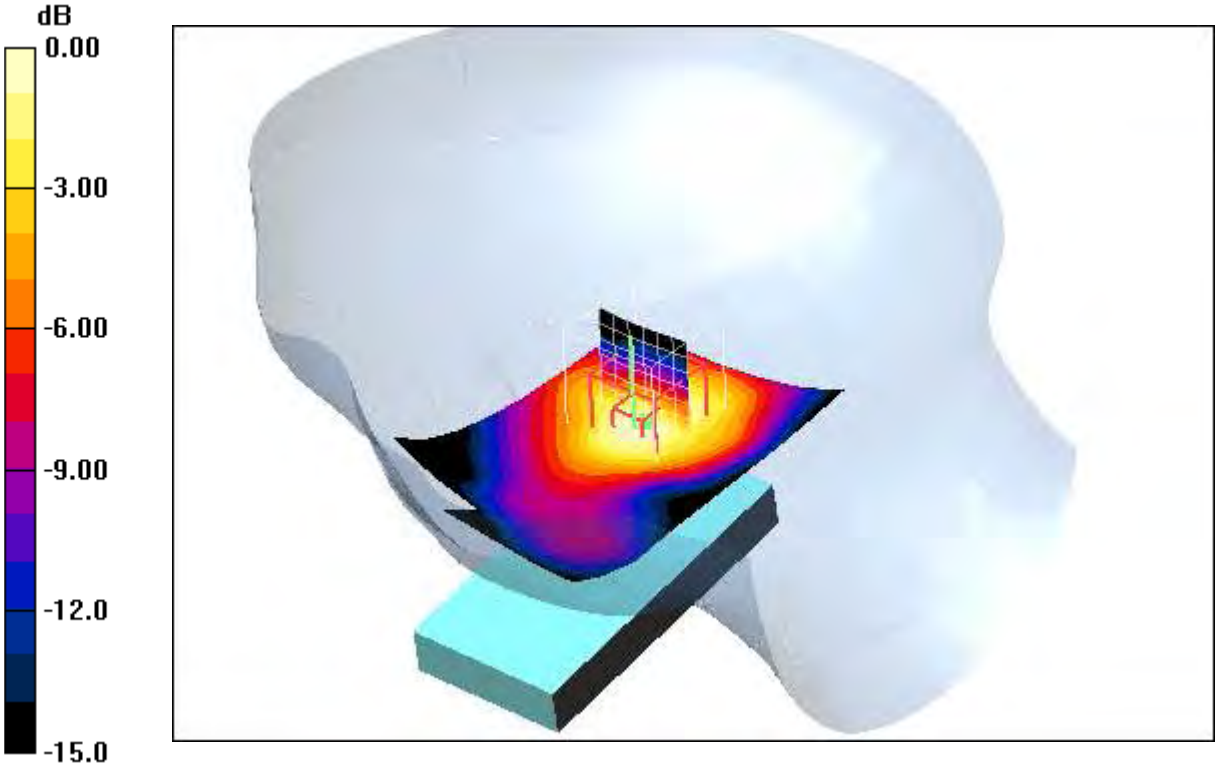
DUT: Sony Ericsson; Type: AAD-3252081-BV; Serial: CB5112VFEC
Communication System: WLAN 2450 US; Frequency: 2437 MHz; Duty Cycle: 1:1
Medium: HSL2450 Medium parameters used (interpolated): f = 2437 MHz; σ = 1.88 mho/m; ε_r = 38.7; ρ = 1000 kg/m^3
Phantom section: Right Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1559; ConvF(4.56, 4.56, 4.56); Calibrated: 23.01.2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn477; Calibrated: 14.05.2008
- Phantom: SAM left; Type: SAM; Serial: 1041
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 146

Tilt position - Middle/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

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

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

Reference Value = 6.23 V/m; Power Drift = 0.197 dB
Peak SAR (extrapolated) = 0.124 W/kg
SAR(1 g) = 0.064 mW/g; SAR(10 g) = 0.034 mW/g
Maximum value of SAR (measured) = 0.071 mW/g



0 dB = 0.071mW/g

Additional information:
position or distance of DUT to SAM (if not standard head positions) :
ambient temperature: 23.1°C; liquid temperature: 20.7°C

Date/Time: 22.09.2008 10:47:22Date/Time: 22.09.2008 10:53:51

P1528_OET65-RightHandSide-WLAN

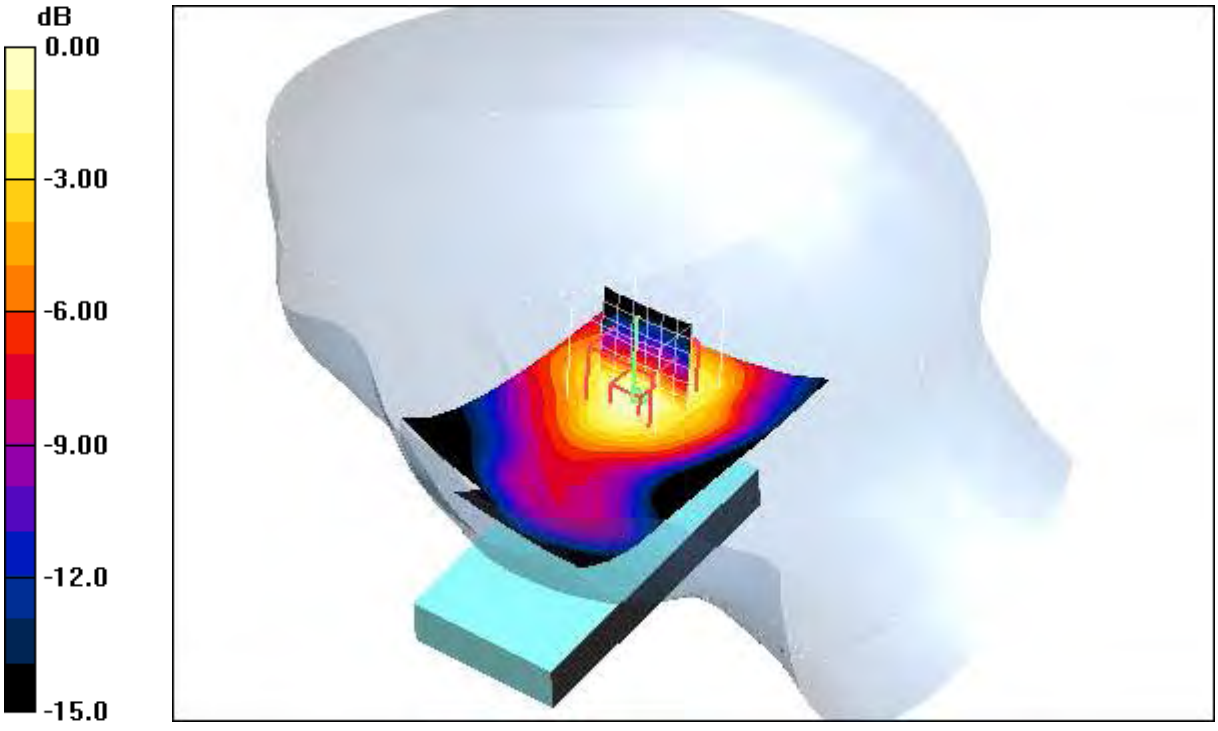
DUT: Sony Ericsson; Type: AAD-3252081-BV; Serial: CB5112VFEC
Communication System: WLAN 2450 US; Frequency: 2462 MHz; Duty Cycle: 1:1
Medium: HSL2450 Medium parameters used (interpolated): f = 2462 MHz; σ = 1.88 mho/m; ε_r = 38.7; ρ = 1000 kg/m^3
Phantom section: Right Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1559; ConvF(4.56, 4.56, 4.56); Calibrated: 23.01.2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn477; Calibrated: 14.05.2008
- Phantom: SAM left; Type: SAM; Serial: 1041
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 146

Tilt position - High/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.048 mW/g

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

Reference Value = 5.18 V/m; Power Drift = 0.048 dB
Peak SAR (extrapolated) = 0.083 W/kg
SAR(1 g) = 0.043 mW/g; SAR(10 g) = 0.023 mW/g
Maximum value of SAR (measured) = 0.048 mW/g



0 dB = 0.048mW/g

Additional information:
position or distance of DUT to SAM (if not standard head positions) :
ambient temperature: 21.1°C; liquid temperature: 20.8°C

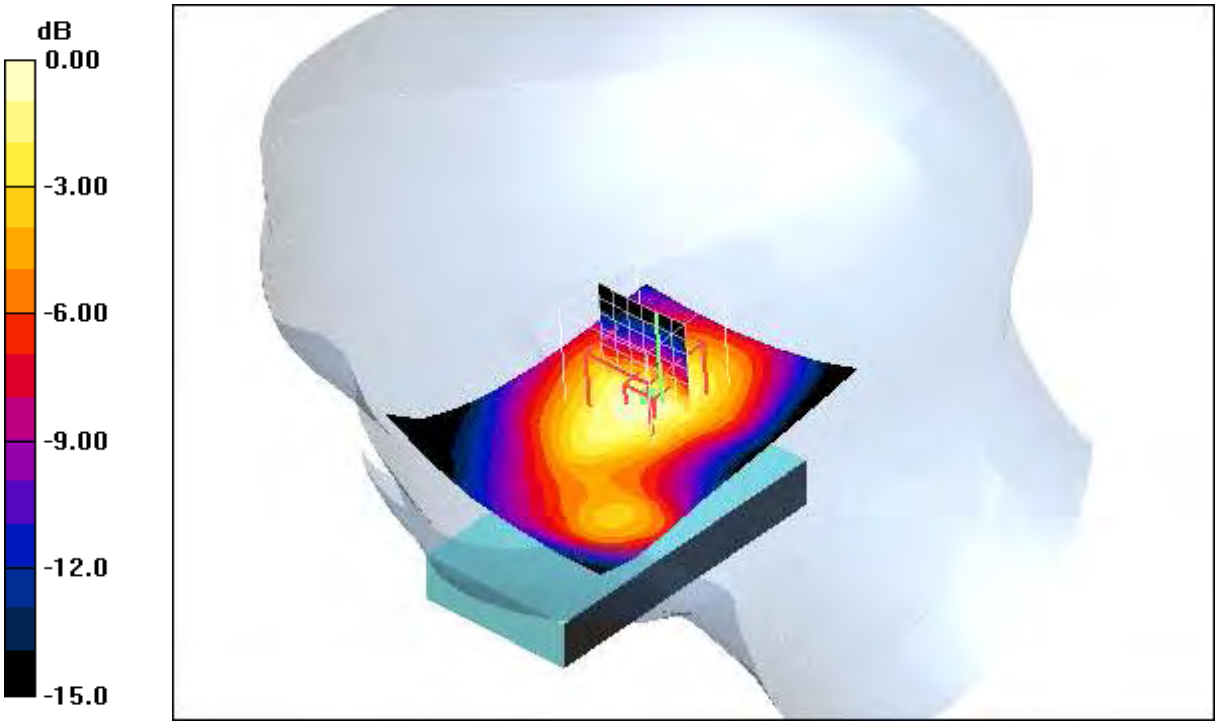
Date/Time: 22.09.2008 11:50:15Date/Time: 22.09.2008 11:56:36

P1528_OET65-RightHandSide-WLAN

DUT: Sony Ericsson; Type: AAD-3252081-BV; Serial: CB5112VFEC
Communication System: WLAN 2450 US; Frequency: 2412 MHz; Duty Cycle: 1:1
Medium: HSL2450 Medium parameters used (interpolated): f = 2412 MHz; σ = 1.88 mho/m; ε_r = 38.7; ρ = 1000 kg/m^3
Phantom section: Right Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1559; ConvF(4.56, 4.56, 4.56); Calibrated: 23.01.2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn477; Calibrated: 14.05.2008
- Phantom: SAM left; Type: SAM; Serial: 1041
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 146

Touch position - Low 11 Mbps/Area Scan (51x71x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.132 mW/g

Touch position - Low 11 Mbps/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 8.59 V/m; Power Drift = -0.107 dB
Peak SAR (extrapolated) = 0.221 W/kg
SAR(1 g) = 0.119 mW/g; SAR(10 g) = 0.062 mW/g
Maximum value of SAR (measured) = 0.132 mW/g



0 dB = 0.132mW/g

Additional information:
position or distance of DUT to SAM (if not standard head positions) :
ambient temperature: 21.1°C; liquid temperature: 20.8°C

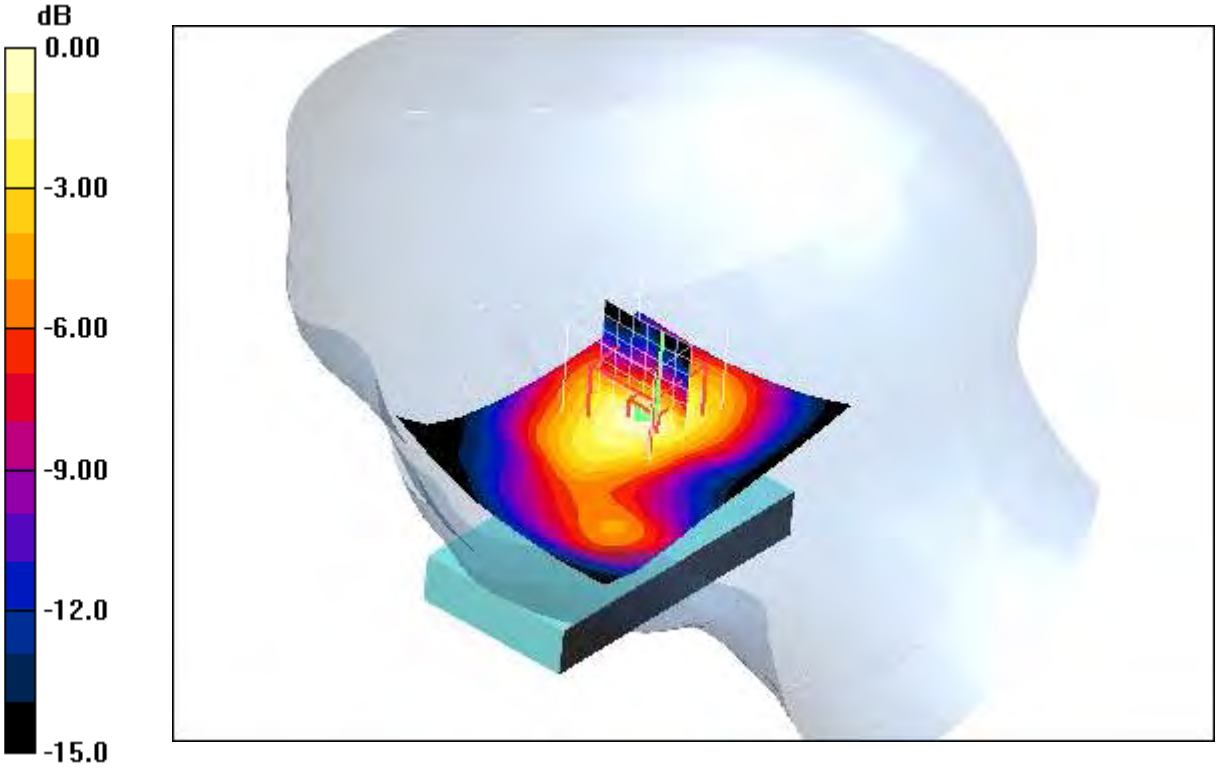
Date/Time: 22.09.2008 12:57:36Date/Time: 22.09.2008 13:03:47

P1528_OET65-RightHandSide-WLAN

DUT: Sony Ericsson; Type: AAD-3252081-BV; Serial: CB5112VFEC
Communication System: WLAN 2450 US; Frequency: 2412 MHz; Duty Cycle: 1:1
Medium: HSL2450 Medium parameters used (interpolated): f = 2412 MHz; σ = 1.88 mho/m; ε_r = 38.7; ρ = 1000 kg/m^3
Phantom section: Right Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1559; ConvF(4.56, 4.56, 4.56); Calibrated: 23.01.2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn477; Calibrated: 14.05.2008
- Phantom: SAM left; Type: SAM; Serial: 1041
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 146

Touch position - Low 54 Mbps/Area Scan (51x71x1):
Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.061 mW/g

Touch position - Low 54 Mbps/Zoom Scan (7x7x7) (7x7x7)/Cube 0:
Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 5.97 V/m; Power Drift = -0.117 dB
Peak SAR (extrapolated) = 0.105 W/kg
SAR(1 g) = 0.055 mW/g; SAR(10 g) = 0.028 mW/g
Maximum value of SAR (measured) = 0.064 mW/g



0 dB = 0.064mW/g

Additional information:
position or distance of DUT to SAM (if not standard head positions) :
ambient temperature: 21.1°C; liquid temperature: 20.8°C

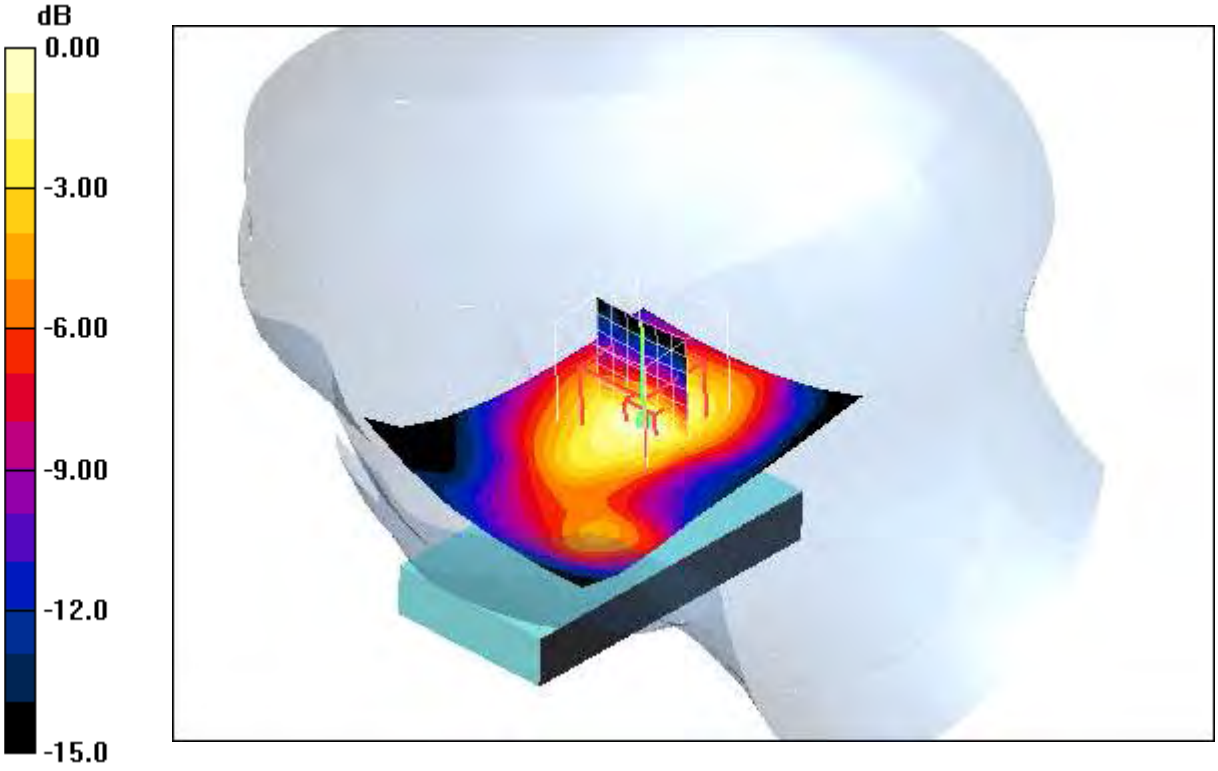
Date/Time: 22.09.2008 13:19:23Date/Time: 22.09.2008 13:25:35

P1528_OET65-RightHandSide-WLAN

DUT: Sony Ericsson; Type: AAD-3252081-BV; Serial: CB5112VFEC
Communication System: WLAN 2450 US; Frequency: 2412 MHz; Duty Cycle: 1:1
Medium: HSL2450 Medium parameters used (interpolated): f = 2412 MHz; σ = 1.88 mho/m; ε_r = 38.7; ρ = 1000 kg/m^3
Phantom section: Right Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1559; ConvF(4.56, 4.56, 4.56); Calibrated: 23.01.2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn477; Calibrated: 14.05.2008
- Phantom: SAM left; Type: SAM; Serial: 1041
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 146

Touch position - Low 6 Mbps/Area Scan (51x71x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.061 mW/g

Touch position - Low 6 Mbps/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 6.01 V/m; Power Drift = -0.134 dB
Peak SAR (extrapolated) = 0.110 W/kg
SAR(1 g) = 0.058 mW/g; SAR(10 g) = 0.030 mW/g
Maximum value of SAR (measured) = 0.065 mW/g



0 dB = 0.065mW/g

Additional information:
position or distance of DUT to SAM (if not standard head positions) :
ambient temperature: 21.1°C; liquid temperature: 20.8°C

Date/Time: 22.09.2008 13:14:50Date/Time: 22.09.2008 13:21:35Date/Time: 22.09.2008 13:34:15

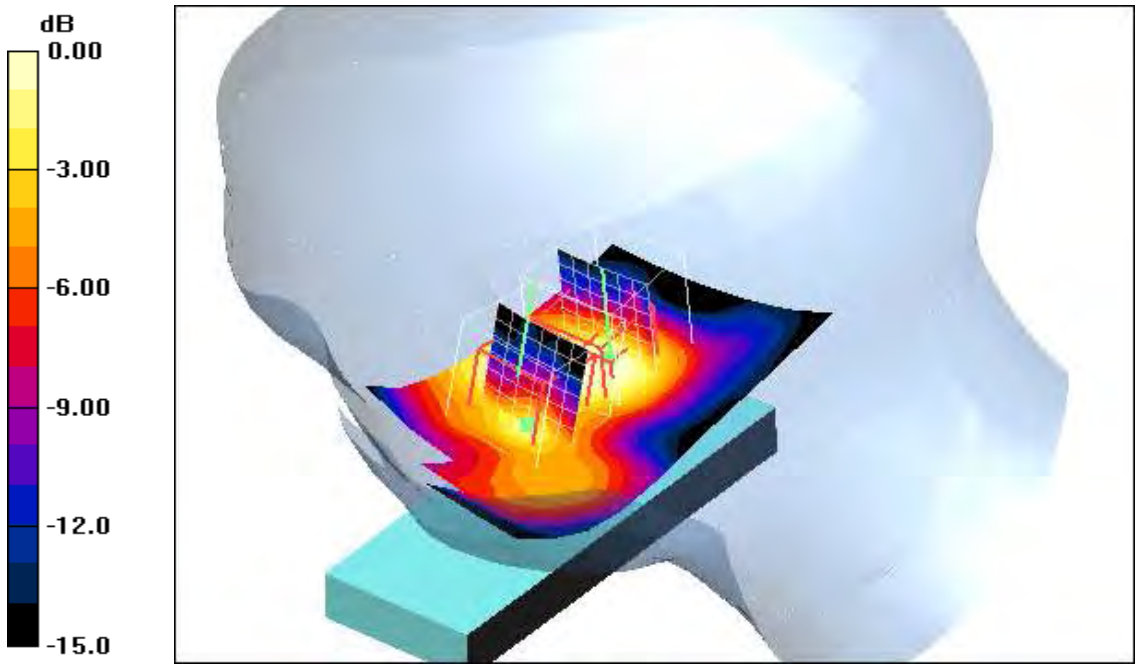
P1528_OET65-RightHandSide-WLAN open

DUT: Sony Ericsson; Type: AAD-3252081-BV; Serial: CB5112VFEC
Communication System: WLAN 2450 US; Frequency: 2412 MHz; Duty Cycle: 1:1
Medium: HSL2450 Medium parameters used (interpolated): f = 2412 MHz; σ = 1.88 mho/m; ε_r = 38.7; ρ = 1000 kg/m^3
Phantom section: Right Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1559; ConvF(4.56, 4.56, 4.56); Calibrated: 23.01.2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn477; Calibrated: 14.05.2008
- Phantom: SAM left; Type: SAM; Serial: 1041
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 146

Touch position - Low/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.053 mW/g

Touch position - Low/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 5.22 V/m; Power Drift = -0.121 dB
Peak SAR (extrapolated) = 0.088 W/kg
SAR(1 g) = 0.046 mW/g; SAR(10 g) = 0.024 mW/g
Maximum value of SAR (measured) = 0.053 mW/g

Touch position - Low/Zoom Scan (7x7x7) (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 5.22 V/m; Power Drift = -0.121 dB
Peak SAR (extrapolated) = 0.099 W/kg
SAR(1 g) = 0.032 mW/g; SAR(10 g) = 0.015 mW/g
Maximum value of SAR (measured) = 0.048 mW/g



0 dB = 0.048mW/g

Additional information:
position or distance of DUT to SAM (if not standard head positions) :
ambient temperature: 22.5°C; liquid temperature: 20.3°C

Date/Time: 22.09.2008 14:36:17Date/Time: 22.09.2008 14:43:10Date/Time: 22.09.2008 14:56:23

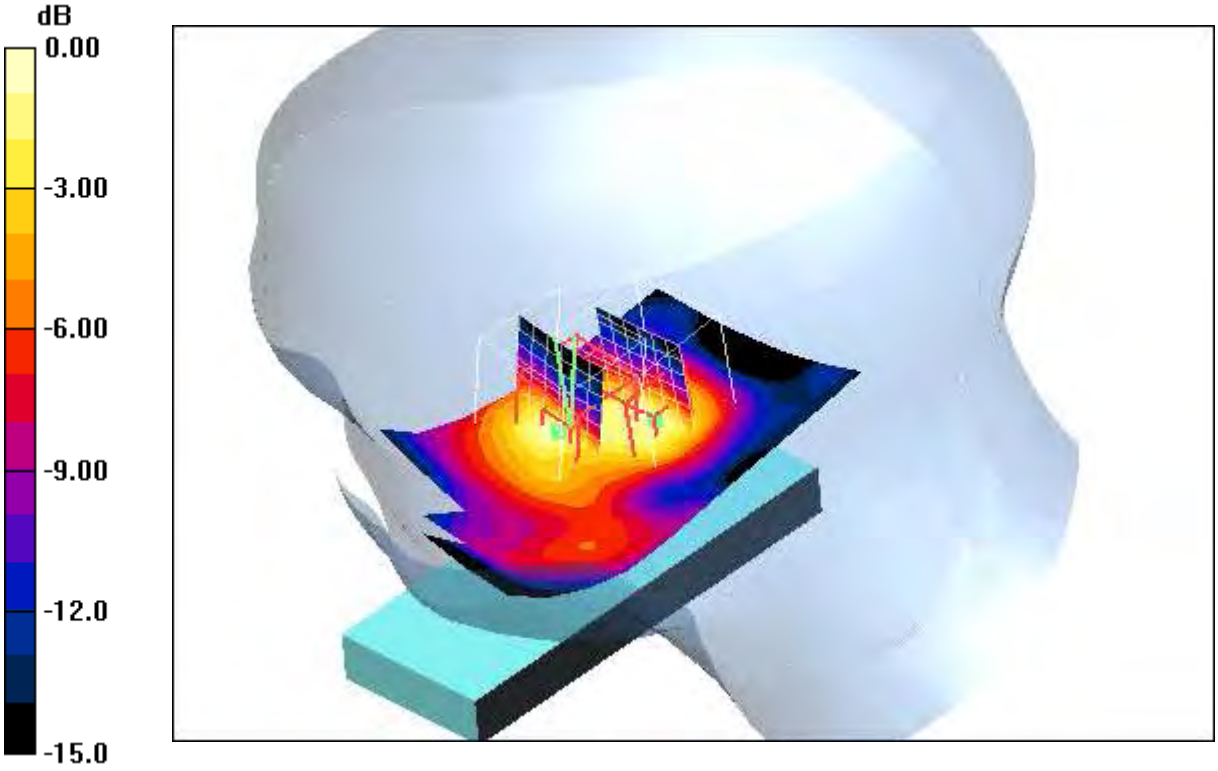
P1528_OET65-RightHandSide-WLAN open

DUT: Sony Ericsson; Type: AAD-3252081-BV; Serial: CB5112VFEC
Communication System: WLAN 2450 US; Frequency: 2437 MHz; Duty Cycle: 1:1
Medium: HSL2450 Medium parameters used (interpolated): f = 2437 MHz; σ = 1.88 mho/m; ε_r = 38.7; ρ = 1000 kg/m^3
Phantom section: Right Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1559; ConvF(4.56, 4.56, 4.56); Calibrated: 23.01.2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn477; Calibrated: 14.05.2008
- Phantom: SAM left; Type: SAM; Serial: 1041
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 146

Touch position - Middle/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.036 mW/g

Touch position - Middle/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 4.63 V/m; Power Drift = -0.183 dB
Peak SAR (extrapolated) = 0.078 W/kg
SAR(1 g) = 0.037 mW/g; SAR(10 g) = 0.018 mW/g
Maximum value of SAR (measured) = 0.041 mW/g

Touch position - Middle/Zoom Scan (7x7x7) (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 4.63 V/m; Power Drift = -0.183 dB
Peak SAR (extrapolated) = 0.078 W/kg
SAR(1 g) = 0.036 mW/g; SAR(10 g) = 0.019 mW/g
Maximum value of SAR (measured) = 0.042 mW/g



0 dB = 0.042mW/g

Additional information:
position or distance of DUT to SAM (if not standard head positions) :
ambient temperature: 22.5°C; liquid temperature: 20.3°C

Date/Time: 22.09.2008 13:53:30Date/Time: 22.09.2008 14:00:50Date/Time: 22.09.2008 14:14:57

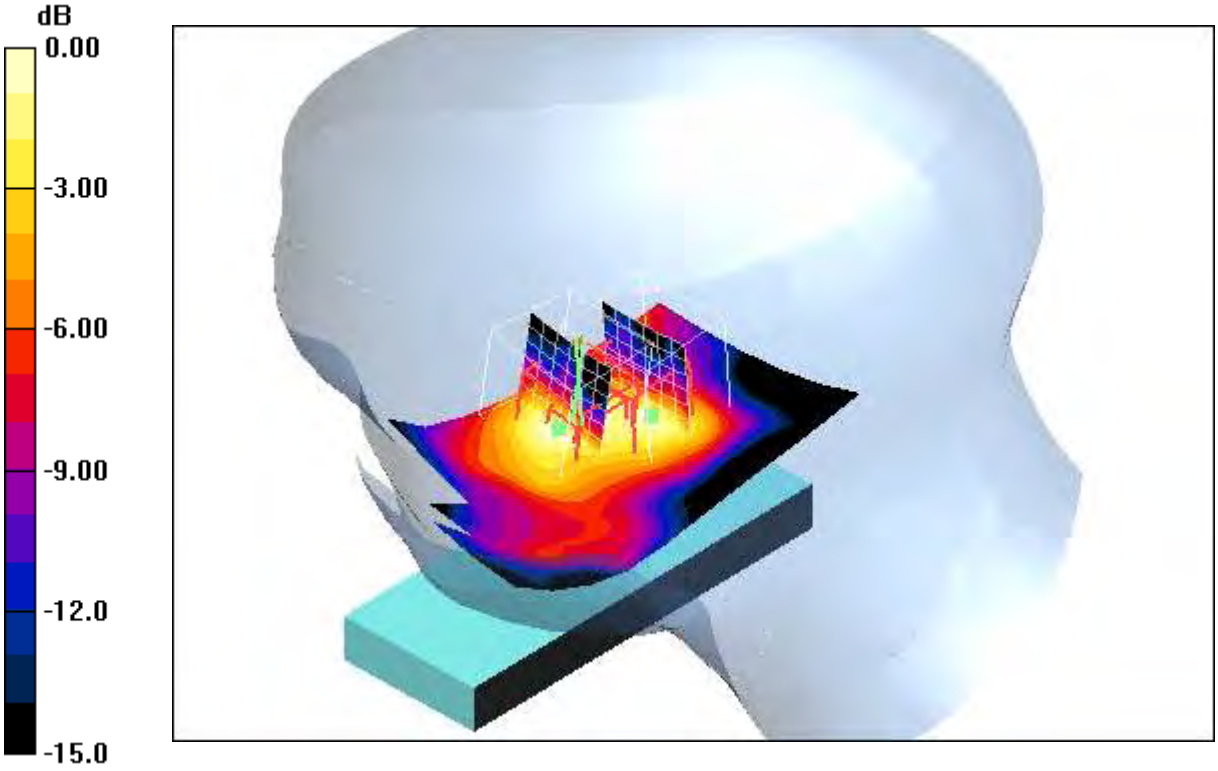
P1528_OET65-RightHandSide-WLAN open

DUT: Sony Ericsson; Type: AAD-3252081-BV; Serial: CB5112VFEC
Communication System: WLAN 2450 US; Frequency: 2462 MHz; Duty Cycle: 1:1
Medium: HSL2450 Medium parameters used (interpolated): f = 2462 MHz; σ = 1.88 mho/m; ε_r = 38.7; ρ = 1000 kg/m^3
Phantom section: Right Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1559; ConvF(4.56, 4.56, 4.56); Calibrated: 23.01.2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn477; Calibrated: 14.05.2008
- Phantom: SAM left; Type: SAM; Serial: 1041
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 146

Touch position - High/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.022 mW/g

Touch position - High/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 3.39 V/m; Power Drift = -0.188 dB
Peak SAR (extrapolated) = 0.044 W/kg
SAR(1 g) = 0.021 mW/g; SAR(10 g) = 0.00991 mW/g
Maximum value of SAR (measured) = 0.023 mW/g

Touch position - High/Zoom Scan (7x7x7) (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 3.39 V/m; Power Drift = -0.188 dB
Peak SAR (extrapolated) = 0.041 W/kg
SAR(1 g) = 0.019 mW/g; SAR(10 g) = 0.00951 mW/g
Maximum value of SAR (measured) = 0.024 mW/g



0 dB = 0.024mW/g

Additional information:
position or distance of DUT to SAM (if not standard head positions) :
ambient temperature: 22.5°C; liquid temperature: 20.3°C

Date/Time: 22.09.2008 15:50:48Date/Time: 22.09.2008 15:57:41

P1528_OET65-RightHandSide-WLAN open

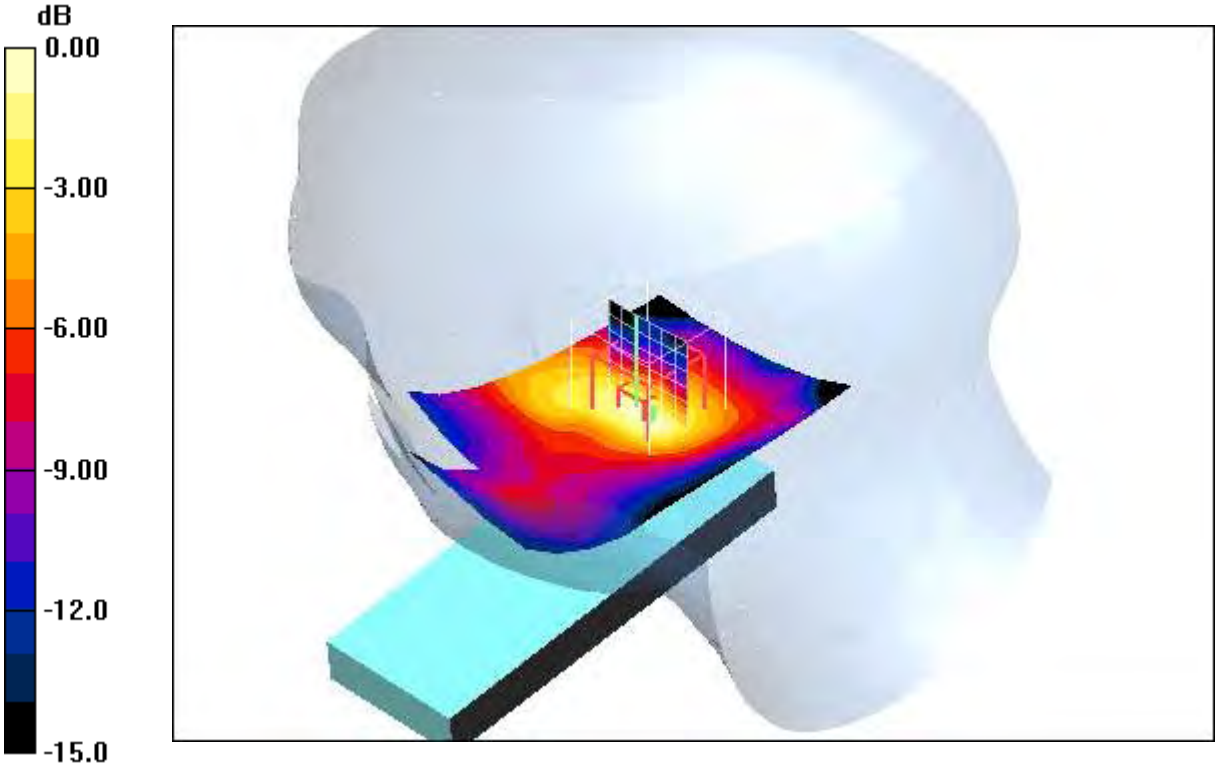
DUT: Sony Ericsson; Type: AAD-3252081-BV; Serial: CB5112VFEC
Communication System: WLAN 2450 US; Frequency: 2412 MHz; Duty Cycle: 1:1
Medium: HSL2450 Medium parameters used (interpolated): f = 2412 MHz; σ = 1.88 mho/m; ε_r = 38.7; ρ = 1000 kg/m^3
Phantom section: Right Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1559; ConvF(4.56, 4.56, 4.56); Calibrated: 23.01.2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn477; Calibrated: 14.05.2008
- Phantom: SAM left; Type: SAM; Serial: 1041
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 146

Tilt position - Low/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.032 mW/g

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

Reference Value = 4.12 V/m; Power Drift = -0.144 dB
Peak SAR (extrapolated) = 0.058 W/kg
SAR(1 g) = 0.031 mW/g; SAR(10 g) = 0.016 mW/g
Maximum value of SAR (measured) = 0.036 mW/g



0 dB = 0.036mW/g

Additional information:
position or distance of DUT to SAM (if not standard head positions) :
ambient temperature: 22.5°C; liquid temperature: 20.3°C

Date/Time: 22.09.2008 15:15:05Date/Time: 22.09.2008 15:21:50

P1528_OET65-RightHandSide-WLAN open

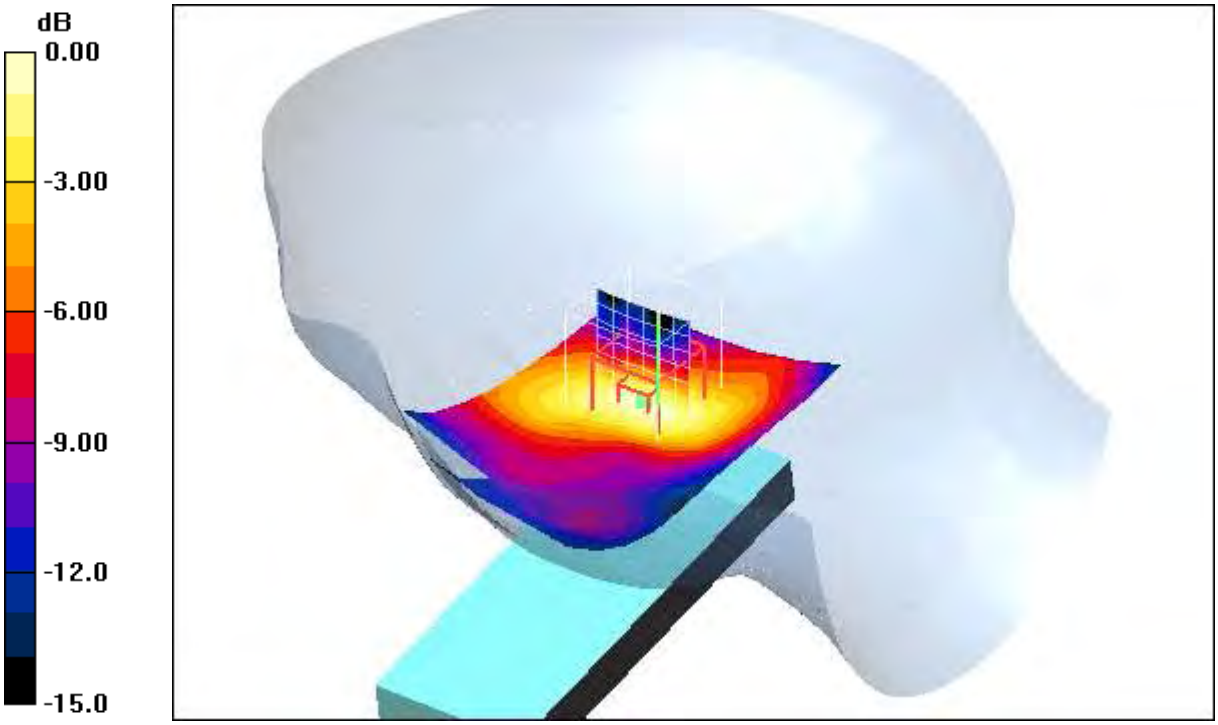
DUT: Sony Ericsson; Type: AAD-3252081-BV; Serial: CB5112VFEC
Communication System: WLAN 2450 US; Frequency: 2437 MHz; Duty Cycle: 1:1
Medium: HSL2450 Medium parameters used (interpolated): f = 2437 MHz; σ = 1.88 mho/m; ε_r = 38.7; ρ = 1000 kg/m^3
Phantom section: Right Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1559; ConvF(4.56, 4.56, 4.56); Calibrated: 23.01.2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn477; Calibrated: 14.05.2008
- Phantom: SAM left; Type: SAM; Serial: 1041
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 146

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

Maximum value of SAR (interpolated) = 0.024 mW/g

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

Reference Value = 3.58 V/m; Power Drift = -0.190 dB
Peak SAR (extrapolated) = 0.052 W/kg
SAR(1 g) = 0.022 mW/g; SAR(10 g) = 0.011 mW/g
Maximum value of SAR (measured) = 0.024 mW/g



0 dB = 0.024mW/g

Additional information:
position or distance of DUT to SAM (if not standard head positions) :
ambient temperature: 22.5°C; liquid temperature: 20.3°C

Date/Time: 22.09.2008 16:21:23Date/Time: 22.09.2008 16:28:45

P1528_OET65-RightHandSide-WLAN open

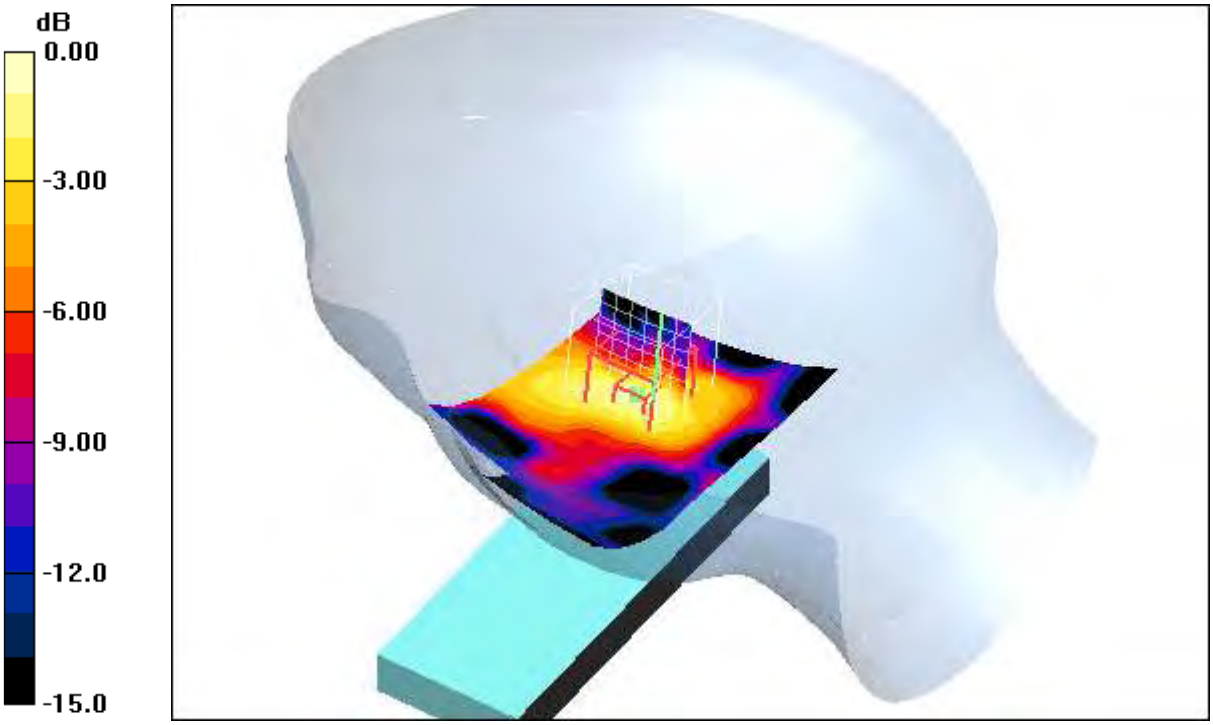
DUT: Sony Ericsson; Type: AAD-3252081-BV; Serial: CB5112VFEC
Communication System: WLAN 2450 US; Frequency: 2462 MHz; Duty Cycle: 1:1
Medium: HSL2450 Medium parameters used (interpolated): f = 2462 MHz; σ = 1.88 mho/m; ε_r = 38.7; ρ = 1000 kg/m^3
Phantom section: Right Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1559; ConvF(4.56, 4.56, 4.56); Calibrated: 23.01.2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn477; Calibrated: 14.05.2008
- Phantom: SAM left; Type: SAM; Serial: 1041
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 146

Tilt position - High/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.012 mW/g

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

Reference Value = 2.46 V/m; Power Drift = -0.135 dB
Peak SAR (extrapolated) = 0.024 W/kg
SAR(1 g) = 0.012 mW/g; SAR(10 g) = 0.0059 mW/g
Maximum value of SAR (measured) = 0.013 mW/g



0 dB = 0.013mW/g

Additional information:
position or distance of DUT to SAM (if not standard head positions) :
ambient temperature: 22.5°C; liquid temperature: 20.3°C

Annex 2.10 WLAN 2450 MHz body

Date/Time: 25.09.2008 15:05:47Date/Time: 25.09.2008 15:11:20

P1528_OET65-Body-WLAN

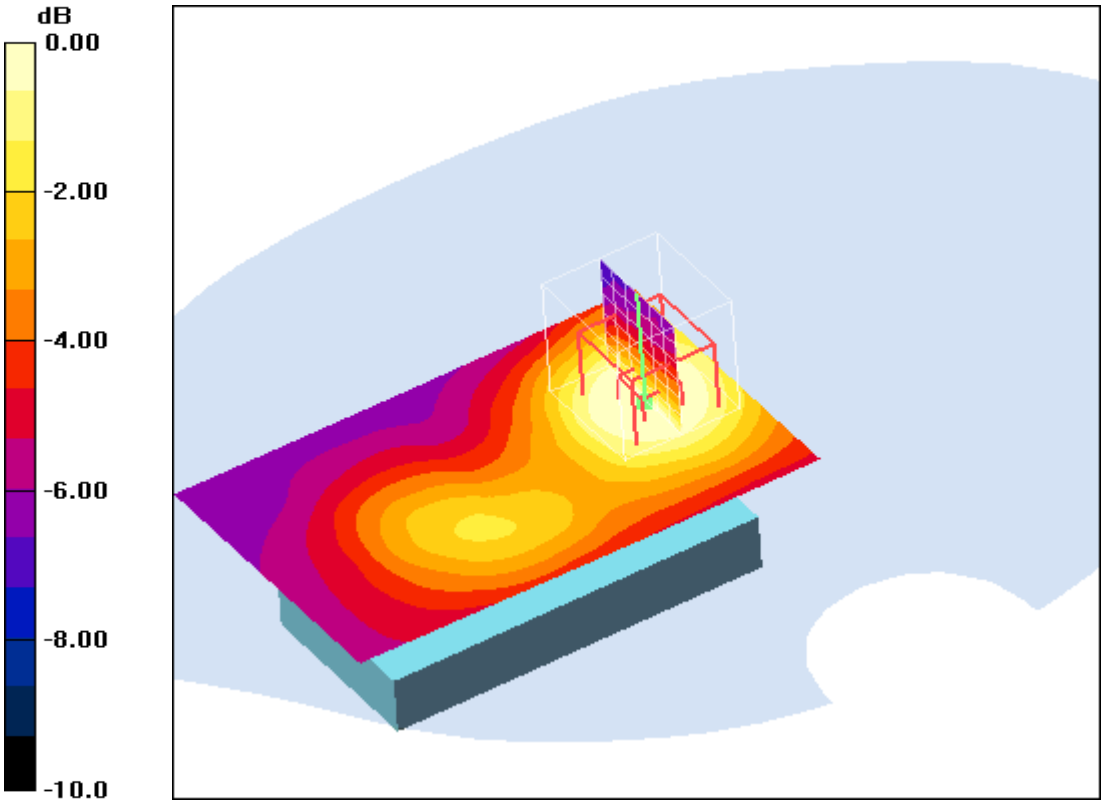
DUT: Sony Ericsson; Type: AAD-3252081-BV; Serial: CB5112VFEC
Communication System: WLAN 2450 US; Frequency: 2412 MHz; Duty Cycle: 1:1
Medium: M2450 Medium parameters used (interpolated): f = 2412 MHz; σ = 2 mho/m; ε_r = 52.1; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1559; ConvF(3.98, 3.98, 3.98); Calibrated: 23.01.2008
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn477; Calibrated: 14.05.2008
- Phantom: SAM right; Type: SAM; Serial: 1042
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 146

Front position - Low/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

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

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

Reference Value = 5.34 V/m; Power Drift = -0.117 dB
Peak SAR (extrapolated) = 0.084 W/kg
SAR(1 g) = 0.048 mW/g; SAR(10 g) = 0.032 mW/g
Maximum value of SAR (measured) = 0.050 mW/g



0 dB = 0.050mW/g

Additional information:
position or distance of DUT to SAM (if not standard head positions) : 15 mm
ambient temperature: 20.7°C; liquid temperature: 20.2°C

Date/Time: 25.09.2008 15:26:09Date/Time: 25.09.2008 15:31:57

P1528_OET65-Body-WLAN

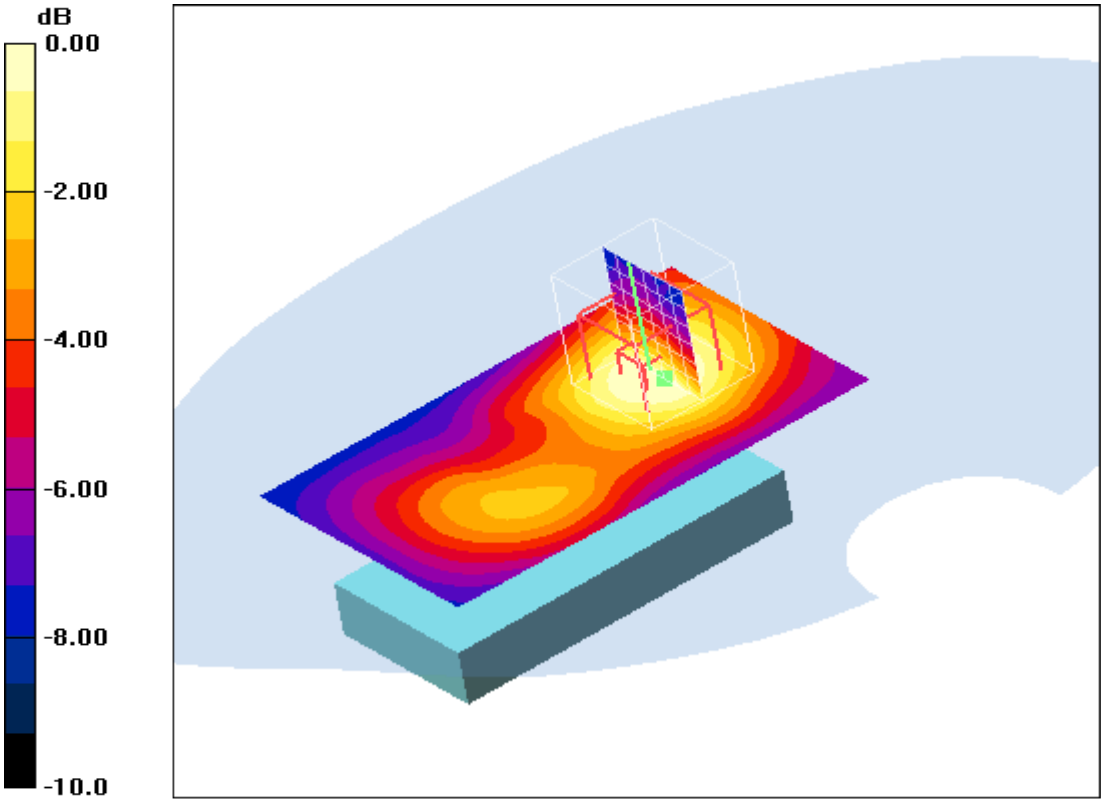
DUT: Sony Ericsson; Type: AAD-3252081-BV; Serial: CB5112VFEC
Communication System: WLAN 2450 US; Frequency: 2437 MHz; Duty Cycle: 1:1
Medium: M2450 Medium parameters used (interpolated): f = 2437 MHz; σ = 2 mho/m; ε_r = 52.1; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1559; ConvF(3.98, 3.98, 3.98); Calibrated: 23.01.2008
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn477; Calibrated: 14.05.2008
- Phantom: SAM right; Type: SAM; Serial: 1042
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 146

Front position - Middle/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.044 mW/g

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

Reference Value = 4.80 V/m; Power Drift = 0.104 dB
Peak SAR (extrapolated) = 0.069 W/kg
SAR(1 g) = 0.040 mW/g; SAR(10 g) = 0.026 mW/g
Maximum value of SAR (measured) = 0.042 mW/g



0 dB = 0.042mW/g

Additional information:
position or distance of DUT to SAM (if not standard head positions) : 15 mm
ambient temperature: 20.7°C; liquid temperature: 20.2°C

Date/Time: 25.09.2008 15:46:39Date/Time: 25.09.2008 15:52:21

P1528_OET65-Body-WLAN

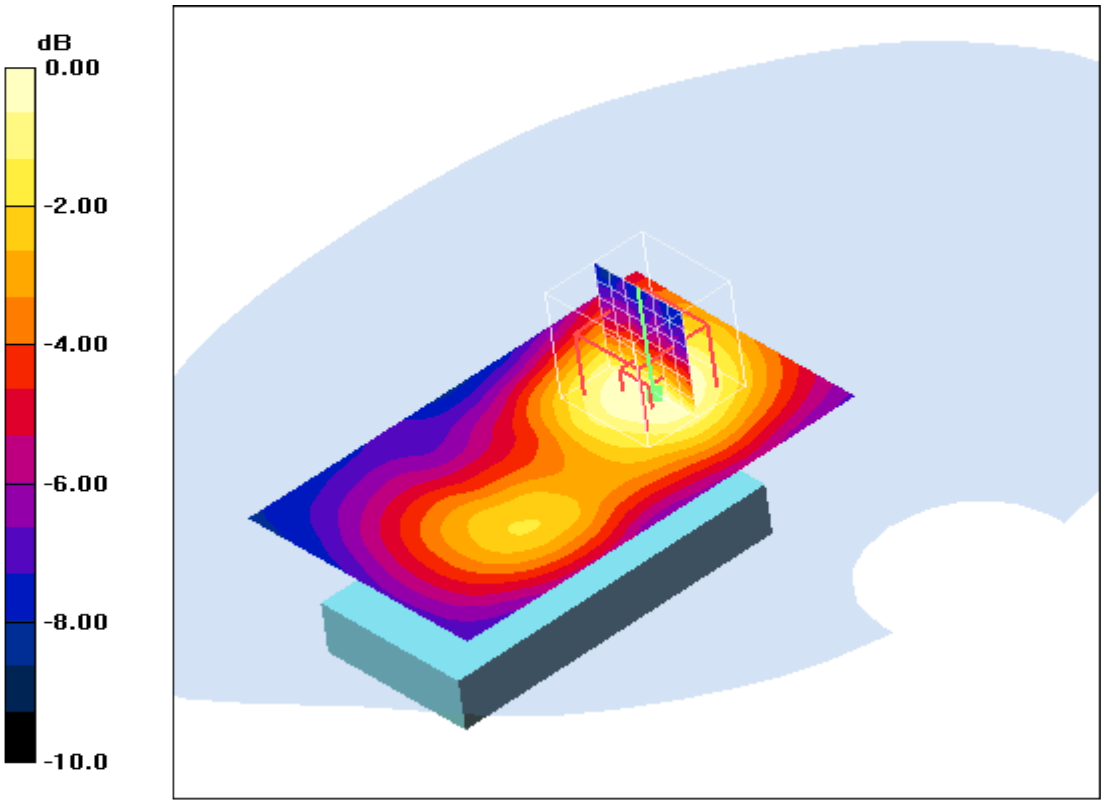
DUT: Sony Ericsson; Type: AAD-3252081-BV; Serial: CB5112VFEC
Communication System: WLAN 2450 US; Frequency: 2462 MHz; Duty Cycle: 1:1
Medium: M2450 Medium parameters used (interpolated): f = 2462 MHz; σ = 2 mho/m; ε_r = 52.1; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1559; ConvF(3.98, 3.98, 3.98); Calibrated: 23.01.2008
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn477; Calibrated: 14.05.2008
- Phantom: SAM right; Type: SAM; Serial: 1042
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 146

Front position - High/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.036 mW/g

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

Reference Value = 4.14 V/m; Power Drift = -0.024 dB
Peak SAR (extrapolated) = 0.056 W/kg
SAR(1 g) = 0.032 mW/g; SAR(10 g) = 0.020 mW/g
Maximum value of SAR (measured) = 0.033 mW/g



0 dB = 0.033mW/g

Additional information:
position or distance of DUT to SAM (if not standard head positions) : 15 mm
ambient temperature: 20.7°C; liquid temperature: 20.2°C

Date/Time: 25.09.2008 16:52:05Date/Time: 25.09.2008 16:57:47

P1528_OET65-Body-WLAN

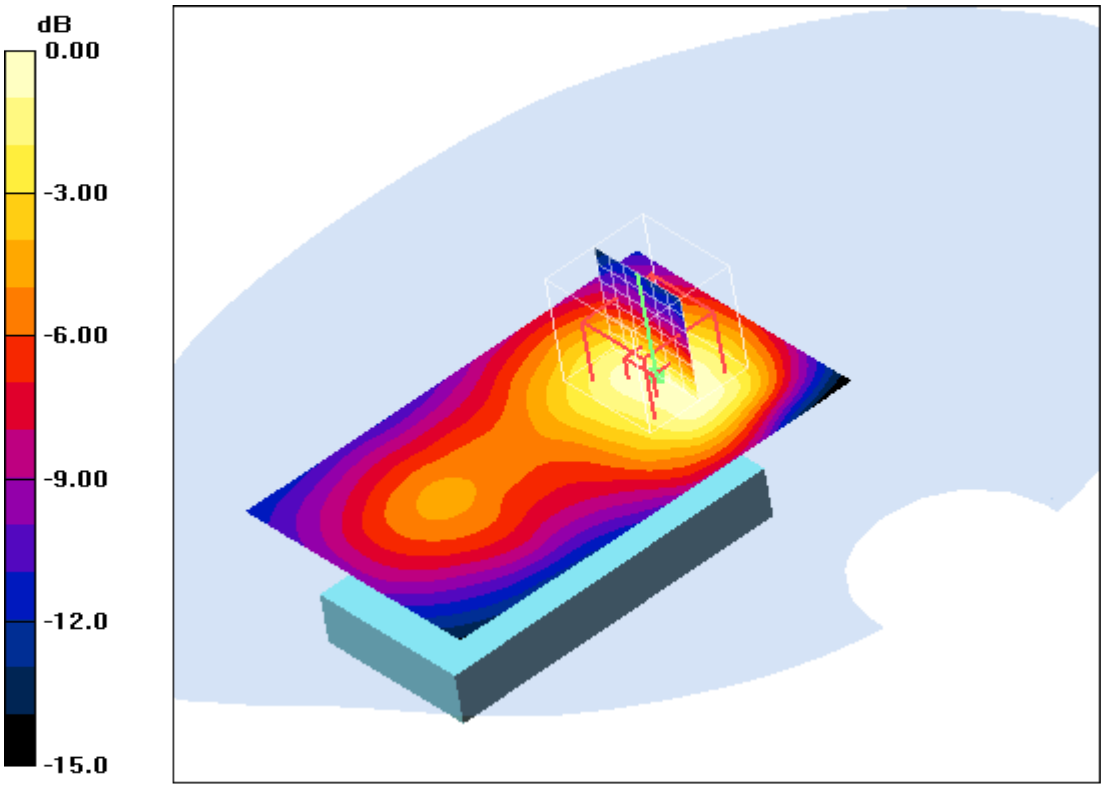
DUT: Sony Ericsson; Type: AAD-3252081-BV; Serial: CB5112VFEC
Communication System: WLAN 2450 US; Frequency: 2462 MHz; Duty Cycle: 1:1
Medium: M2450 Medium parameters used (interpolated): f = 2462 MHz; σ = 2 mho/m; ε_r = 52.1; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1559; ConvF(3.98, 3.98, 3.98); Calibrated: 23.01.2008
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn477; Calibrated: 14.05.2008
- Phantom: SAM right; Type: SAM; Serial: 1042
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 146

Rear position - Low/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.108 mW/g

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

Reference Value = 7.36 V/m; Power Drift = -0.062 dB
Peak SAR (extrapolated) = 0.109 W/kg
SAR(1 g) = 0.107 mW/g; SAR(10 g) = 0.060 mW/g
Maximum value of SAR (measured) = 0.115 mW/g



0 dB = 0.115mW/g

Additional information:
position or distance of DUT to SAM (if not standard head positions) : 15 mm
ambient temperature: 20.7°C; liquid temperature: 20.2°C

Date/Time: 25.09.2008 16:30:13Date/Time: 25.09.2008 16:35:34

P1528_OET65-Body-WLAN

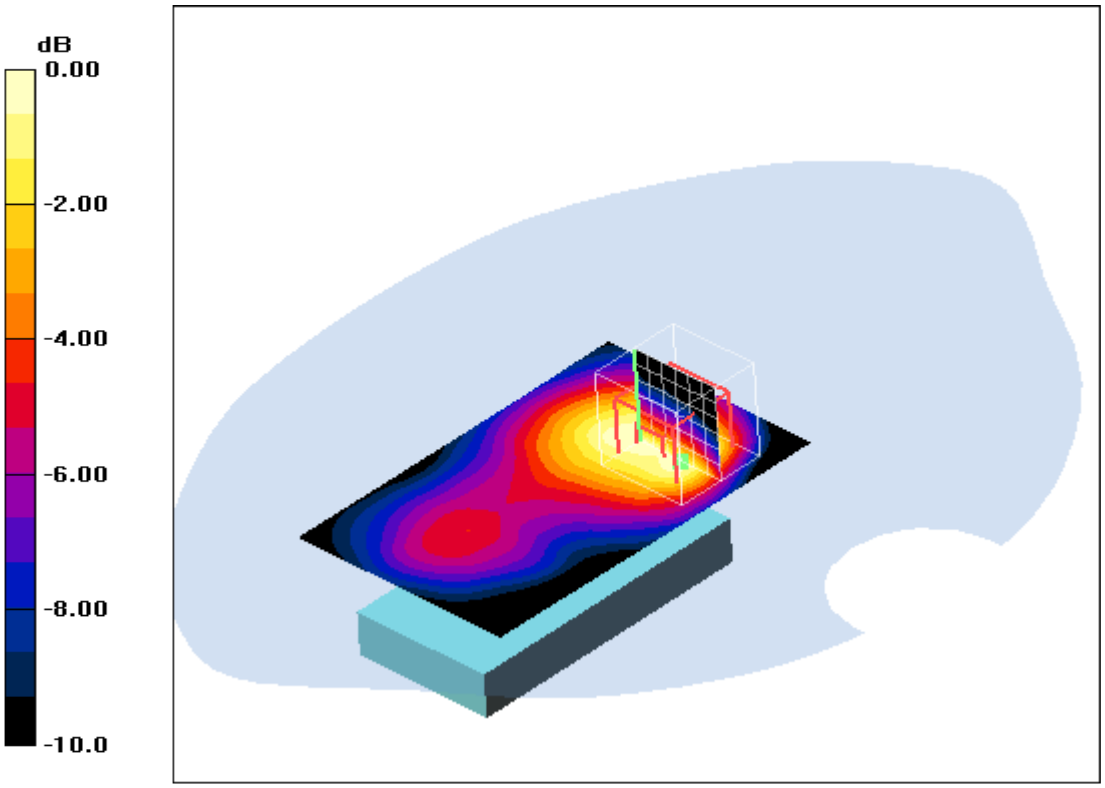
DUT: Sony Ericsson; Type: AAD-3252081-BV; Serial: CB5112VFEC
Communication System: WLAN 2450 US; Frequency: 2437 MHz; Duty Cycle: 1:1
Medium: M2450 Medium parameters used (interpolated): f = 2437 MHz; σ = 2 mho/m; ε_r = 52.1; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1559; ConvF(3.98, 3.98, 3.98); Calibrated: 23.01.2008
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn477; Calibrated: 14.05.2008
- Phantom: SAM right; Type: SAM; Serial: 1042
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 146

Rear position - Middle/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.065 mW/g

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

Reference Value = 5.64 V/m; Power Drift = -0.119 dB
Peak SAR (extrapolated) = 0.126 W/kg
SAR(1 g) = 0.060 mW/g; SAR(10 g) = 0.033 mW/g
Maximum value of SAR (measured) = 0.067 mW/g



0 dB = 0.067mW/g

Additional information:
position or distance of DUT to SAM (if not standard head positions) : 15 mm
ambient temperature: 20.7°C; liquid temperature: 20.2°C

Date/Time: 25.09.2008 16:07:06Date/Time: 25.09.2008 16:12:30

P1528_OET65-Body-WLAN

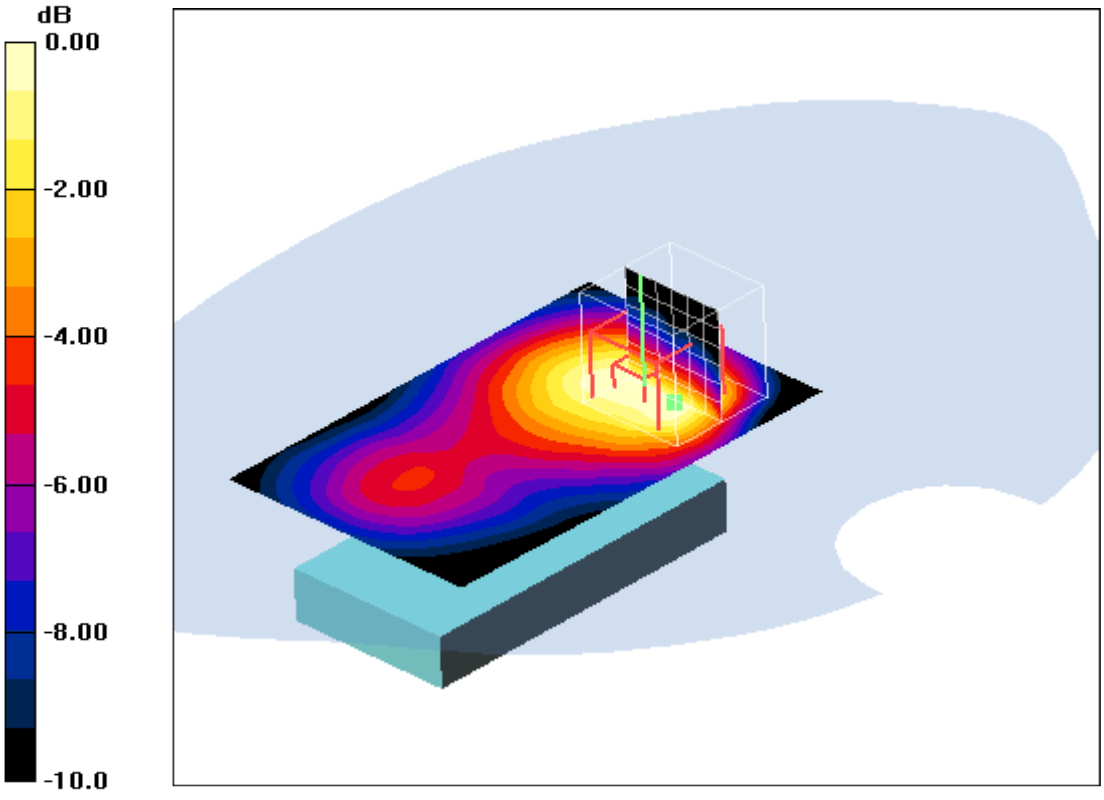
DUT: Sony Ericsson; Type: AAD-3252081-BV; Serial: CB5112VFEC
Communication System: WLAN 2450 US; Frequency: 2412 MHz; Duty Cycle: 1:1
Medium: M2450 Medium parameters used (interpolated): f = 2412 MHz; σ = 2 mho/m; ε_r = 52.1; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1559; ConvF(3.98, 3.98, 3.98); Calibrated: 23.01.2008
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn477; Calibrated: 14.05.2008
- Phantom: SAM right; Type: SAM; Serial: 1042
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 146

Rear position - High/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.069 mW/g

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

Reference Value = 5.85 V/m; Power Drift = -0.074 dB
Peak SAR (extrapolated) = 0.125 W/kg
SAR(1 g) = 0.064 mW/g; SAR(10 g) = 0.035 mW/g
Maximum value of SAR (measured) = 0.069 mW/g



0 dB = 0.069mW/g

Additional information:
position or distance of DUT to SAM (if not standard head positions) : 15 mm
ambient temperature: 20.7°C; liquid temperature: 20.2°C

Date/Time: 25.09.2008 17:12:53Date/Time: 25.09.2008 17:18:22

P1528_OET65-Body-WLAN

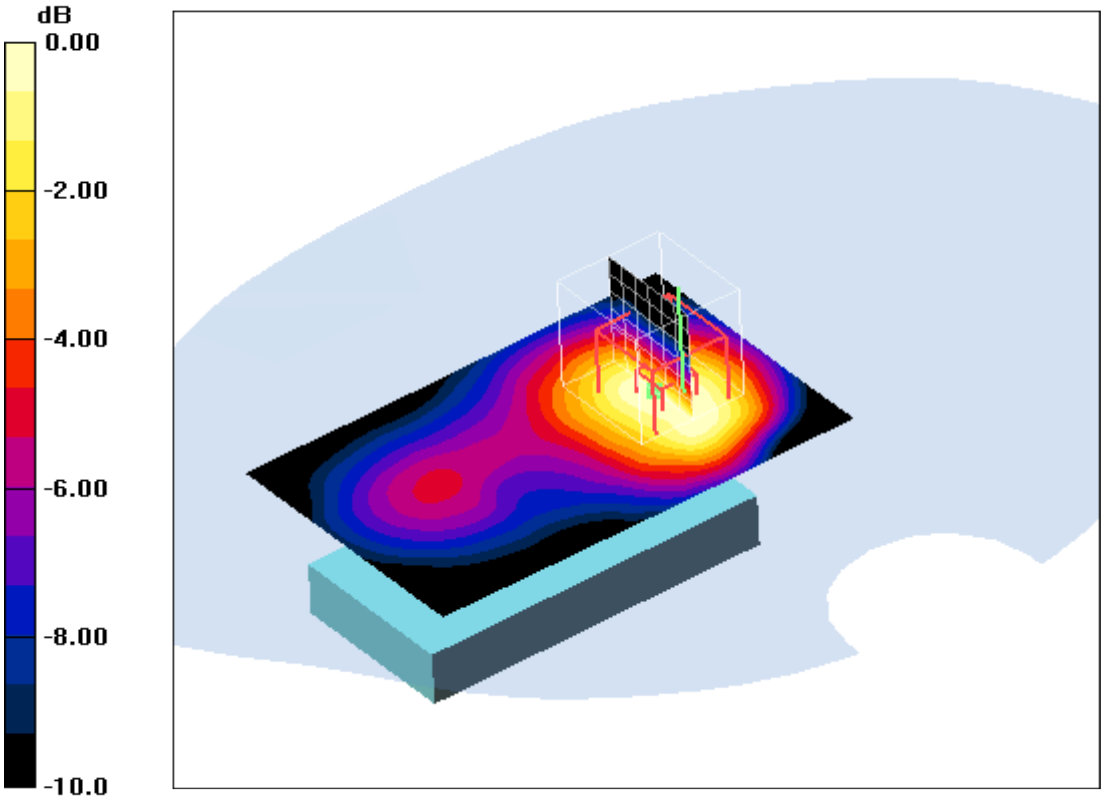
DUT: Sony Ericsson; Type: AAD-3252081-BV; Serial: CB5112VFEC
Communication System: WLAN 2450 US; Frequency: 2412 MHz; Duty Cycle: 1:1
Medium: M2450 Medium parameters used (interpolated): f = 2412 MHz; σ = 2 mho/m; ε_r = 52.1; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1559; ConvF(3.98, 3.98, 3.98); Calibrated: 23.01.2008
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn477; Calibrated: 14.05.2008
- Phantom: SAM right; Type: SAM; Serial: 1042
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 146

Rear position - Low 11Mbps/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.086 mW/g

Rear position - Low 11Mbps/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.41 V/m; Power Drift = -0.171 dB
Peak SAR (extrapolated) = 0.155 W/kg
SAR(1 g) = 0.079 mW/g; SAR(10 g) = 0.045 mW/g
Maximum value of SAR (measured) = 0.085 mW/g



0 dB = 0.085mW/g

Additional information:
position or distance of DUT to SAM (if not standard head positions) : 15 mm
ambient temperature: 20.7°C; liquid temperature: 20.2°C

Date/Time: 25.09.2008 17:36:10Date/Time: 25.09.2008 17:41:50

P1528_OET65-Body-WLAN

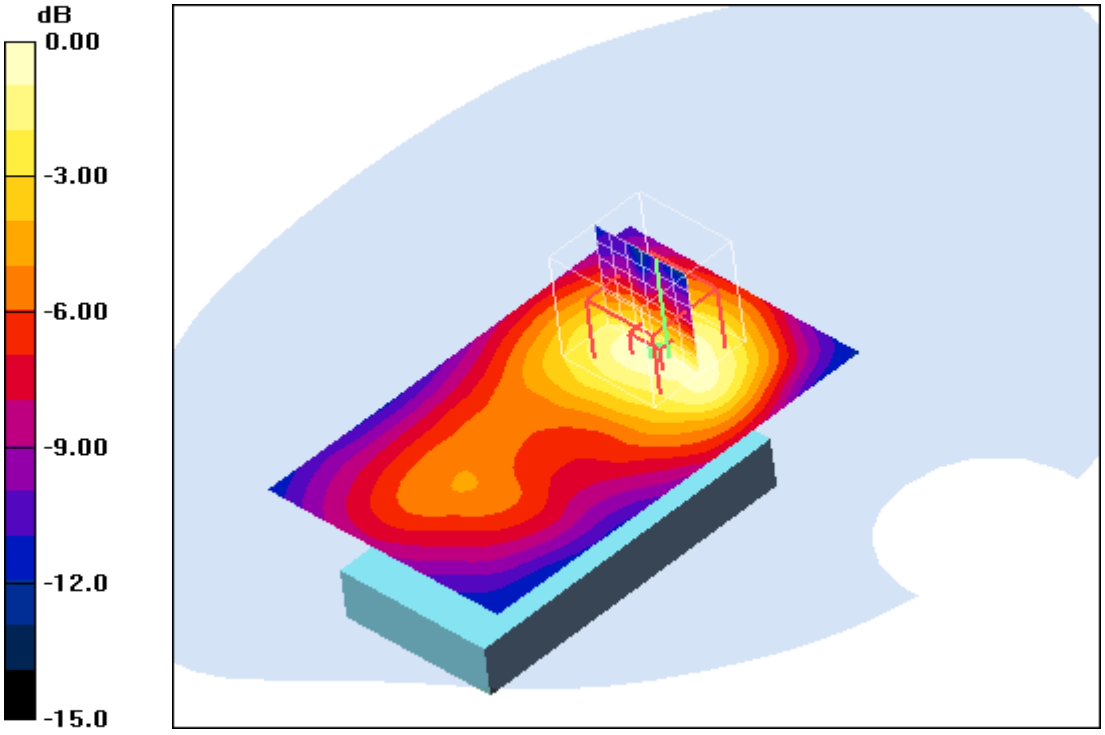
DUT: Sony Ericsson; Type: AAD-3252081-BV; Serial: CB5112VFEC
Communication System: WLAN 2450 US; Frequency: 2412 MHz; Duty Cycle: 1:1
Medium: M2450 Medium parameters used (interpolated): f = 2412 MHz; σ = 2 mho/m; ε_r = 52.1; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1559; ConvF(3.98, 3.98, 3.98); Calibrated: 23.01.2008
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn477; Calibrated: 14.05.2008
- Phantom: SAM right; Type: SAM; Serial: 1042
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 146

Rear position - Low 54Mbps/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.047 mW/g

Rear position - Low 54Mbps/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.96 V/m; Power Drift = -0.128 dB
Peak SAR (extrapolated) = 0.090 W/kg
SAR(1 g) = 0.046 mW/g; SAR(10 g) = 0.026 mW/g
Maximum value of SAR (measured) = 0.050 mW/g



0 dB = 0.050mW/g

Additional information:
position or distance of DUT to SAM (if not standard head positions) : 15 mm
ambient temperature: 20.7°C; liquid temperature: 20.2°C

Date/Time: 25.09.2008 18:03:24Date/Time: 25.09.2008 18:09:01

P1528_OET65-Body-WLAN

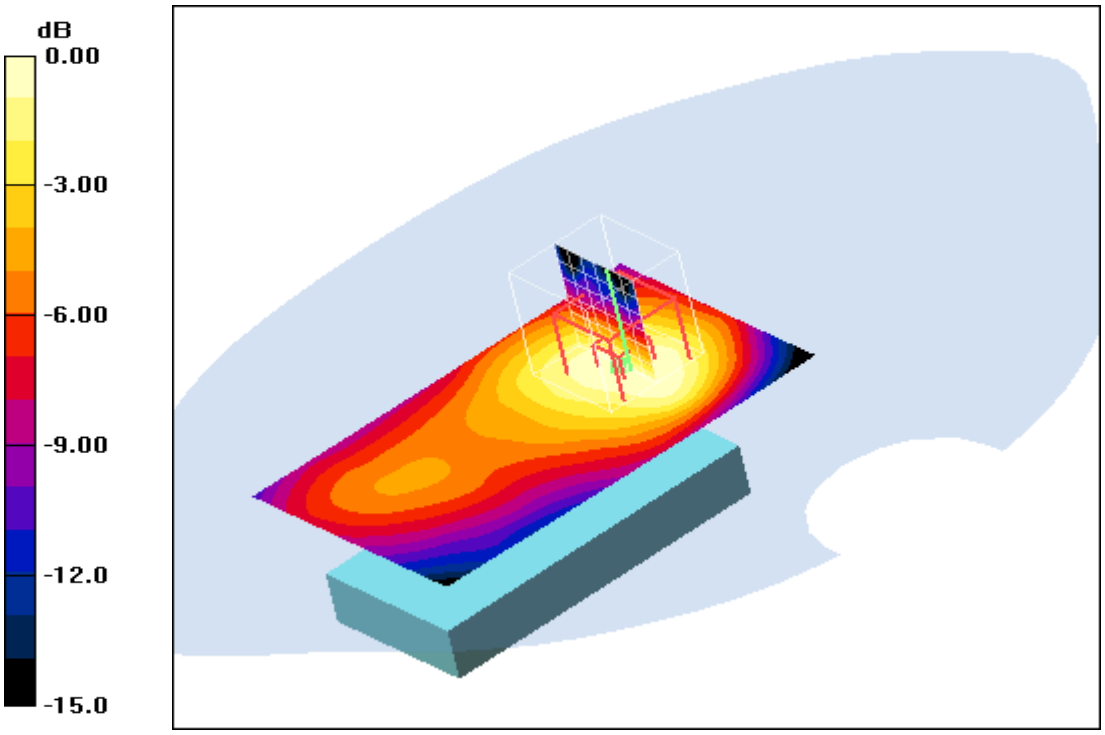
DUT: Sony Ericsson; Type: AAD-3252081-BV; Serial: CB5112VFEC
Communication System: WLAN 2450 US; Frequency: 2412 MHz; Duty Cycle: 1:1
Medium: M2450 Medium parameters used (interpolated): f = 2412 MHz; σ = 2 mho/m; ε_r = 52.1; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1559; ConvF(3.98, 3.98, 3.98); Calibrated: 23.01.2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn477; Calibrated: 14.05.2008
- Phantom: SAM right; Type: SAM; Serial: 1042
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 146

Rear position - Low 6Mbps/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.039 mW/g

Rear position - Low 6Mbps/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

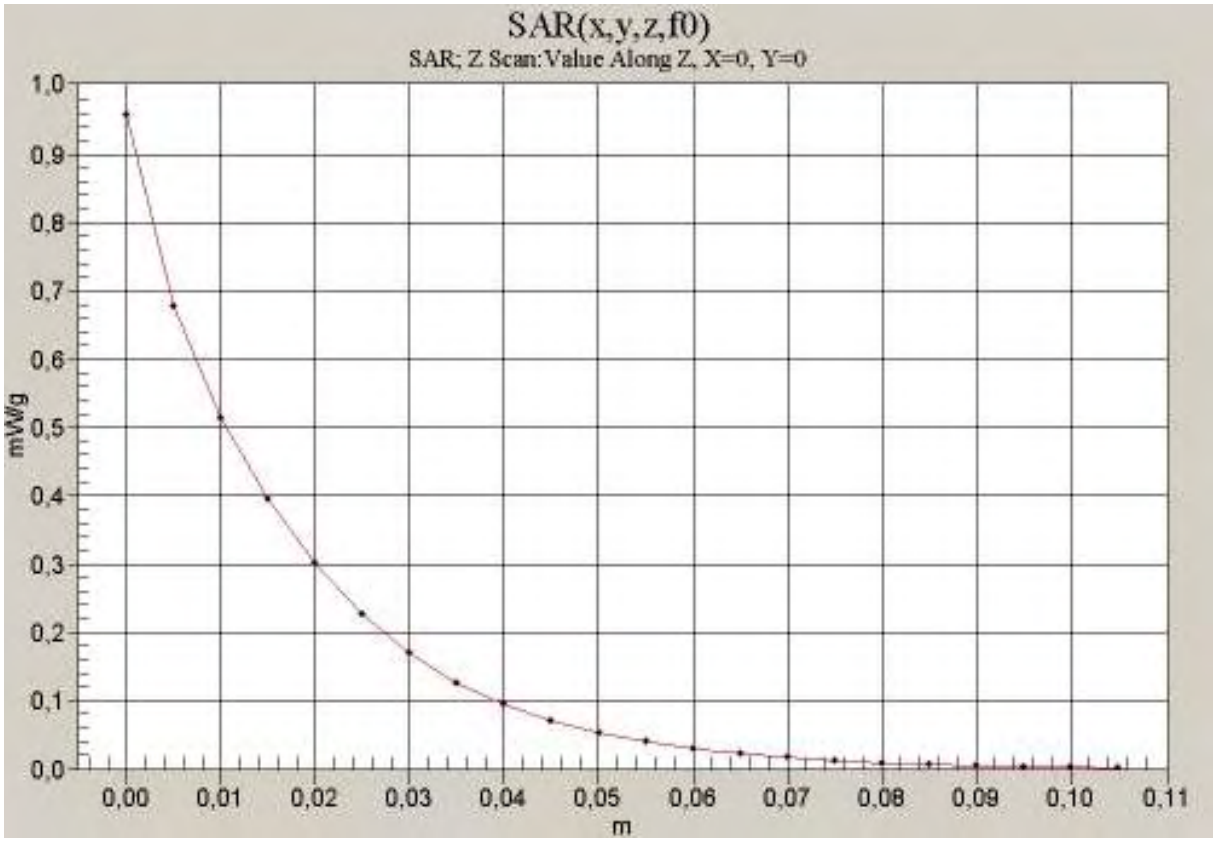
Reference Value = 4.56 V/m; Power Drift = -0.122 dB
Peak SAR (extrapolated) = 0.068 W/kg
SAR(1 g) = 0.035 mW/g; SAR(10 g) = 0.019 mW/g
Maximum value of SAR (measured) = 0.037 mW/g



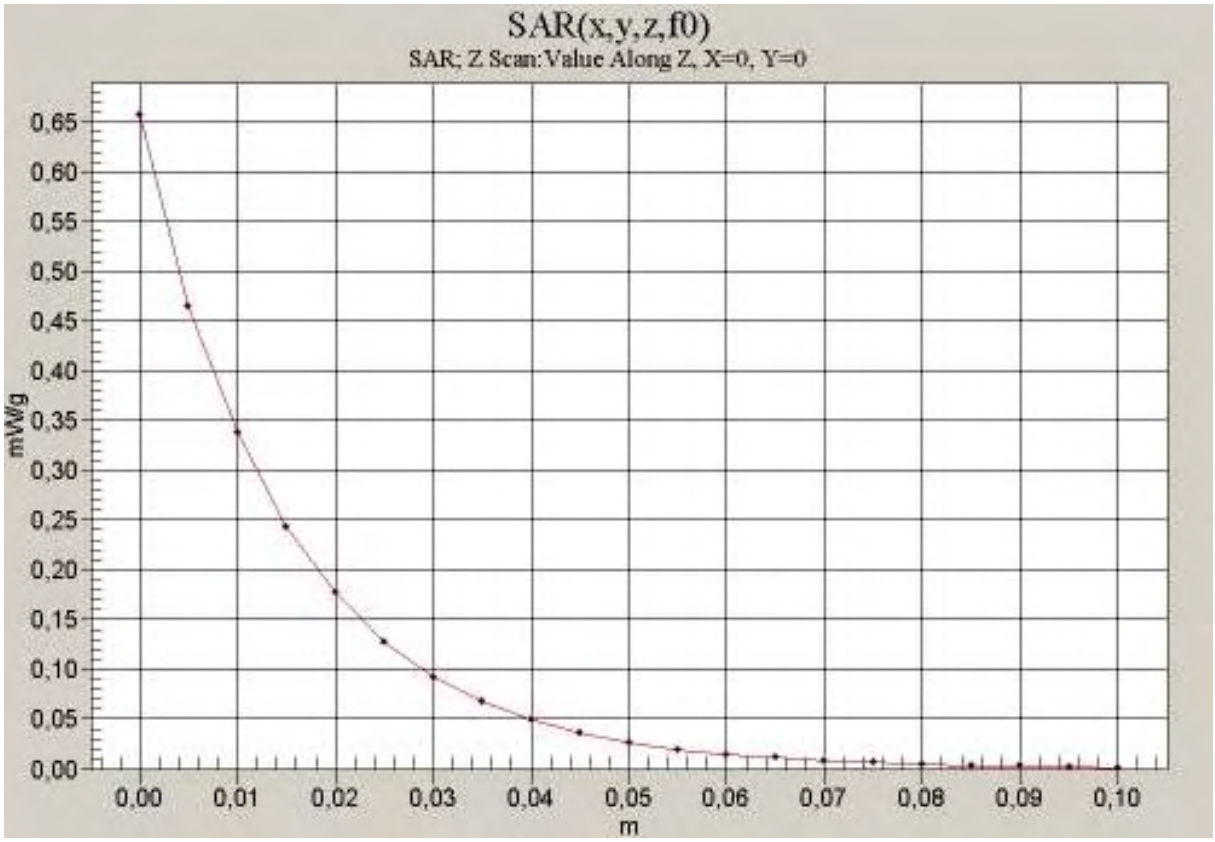
0 dB = 0.037mW/g

Additional information:
position or distance of DUT to SAM (if not standard head positions) : 15 mm
ambient temperature: 20.7°C; liquid temperature: 20.2°C

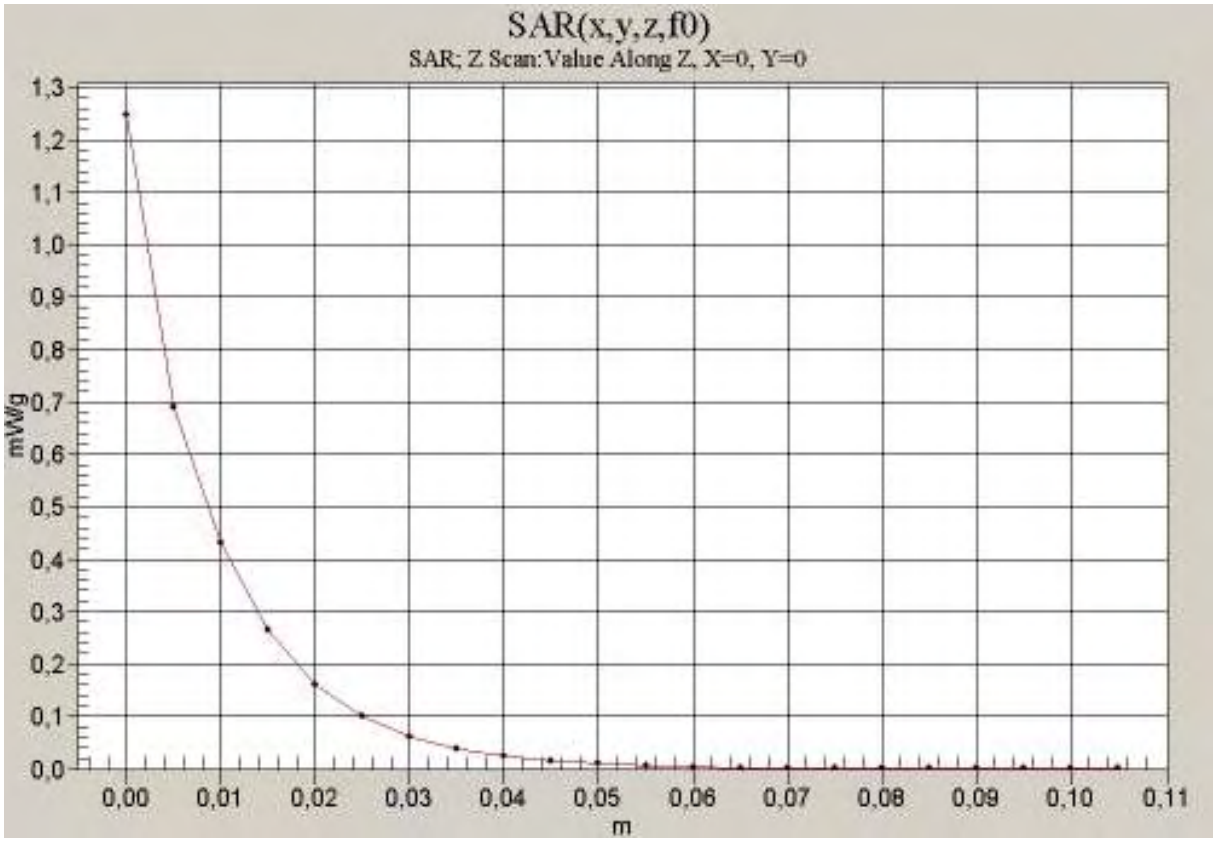
Annex 2.11 Z-axis scans



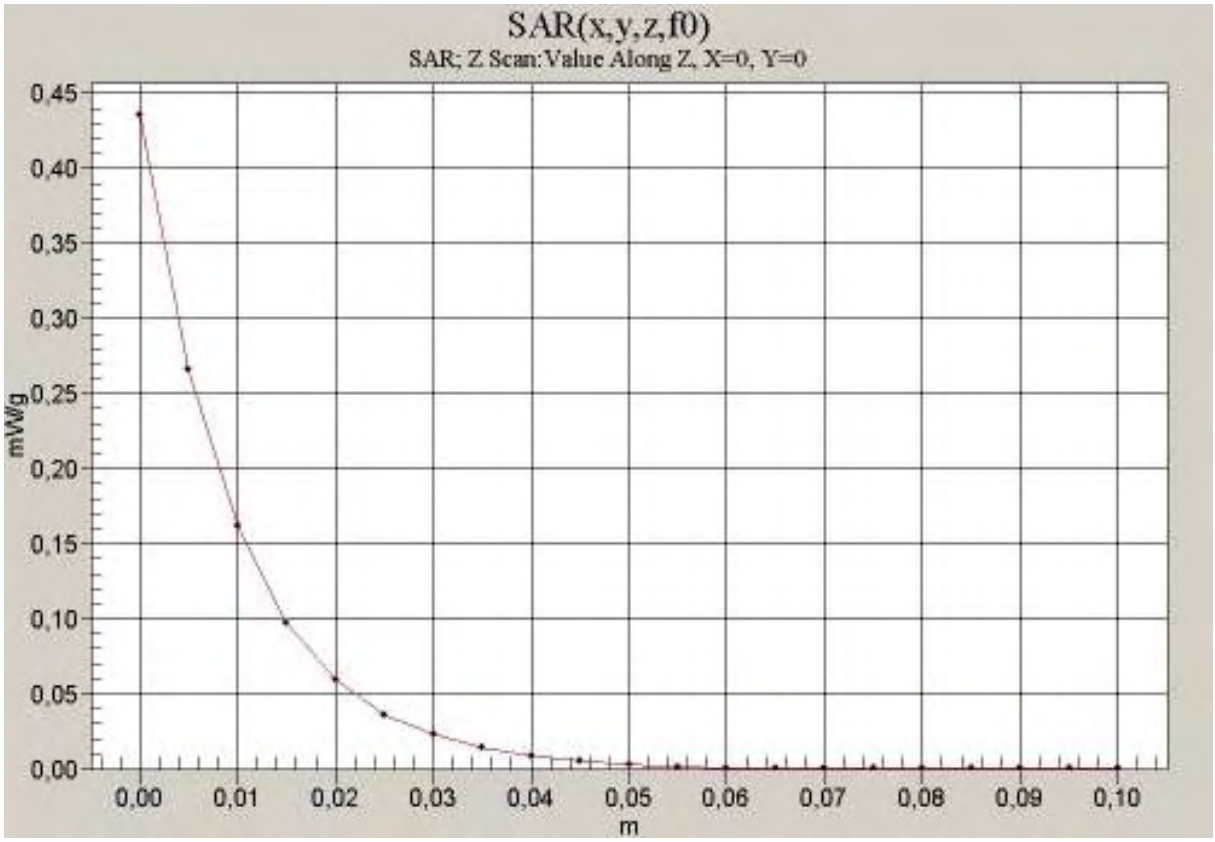
850 head



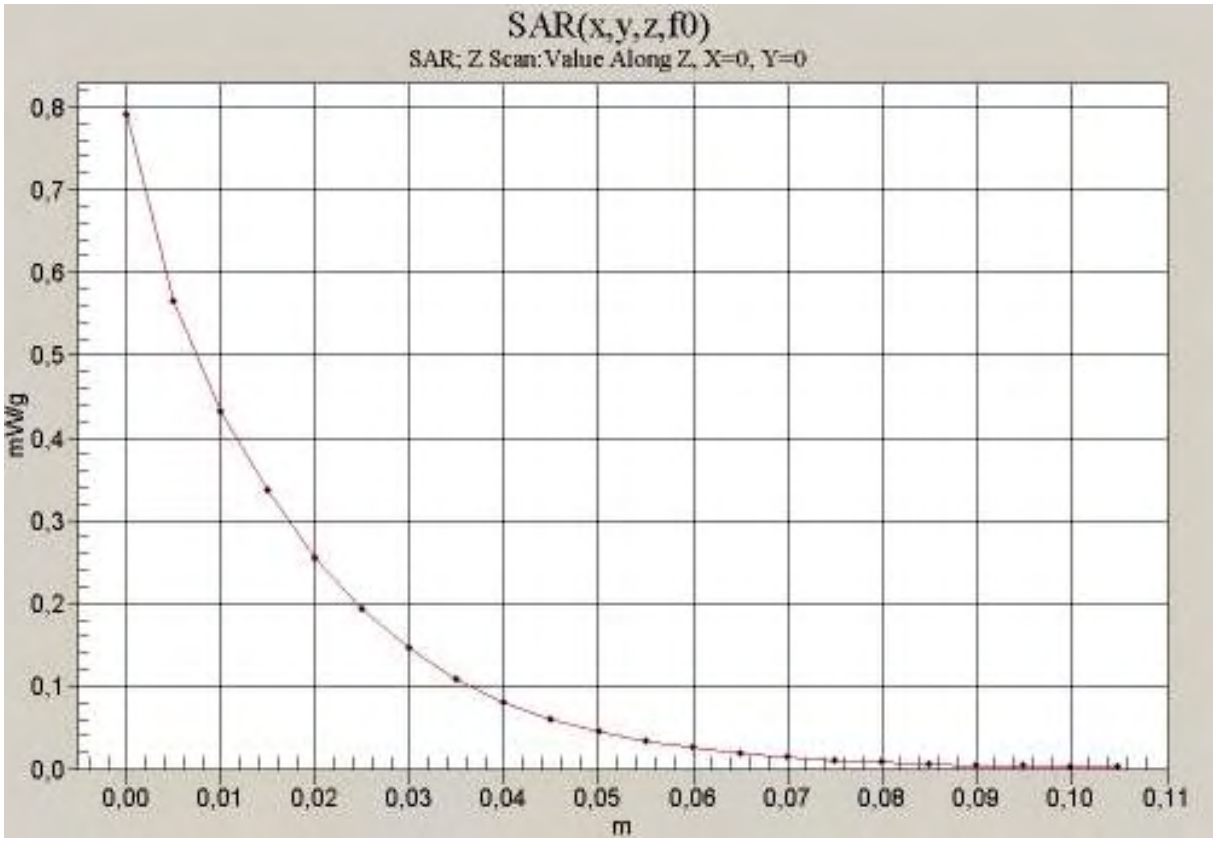
850 body



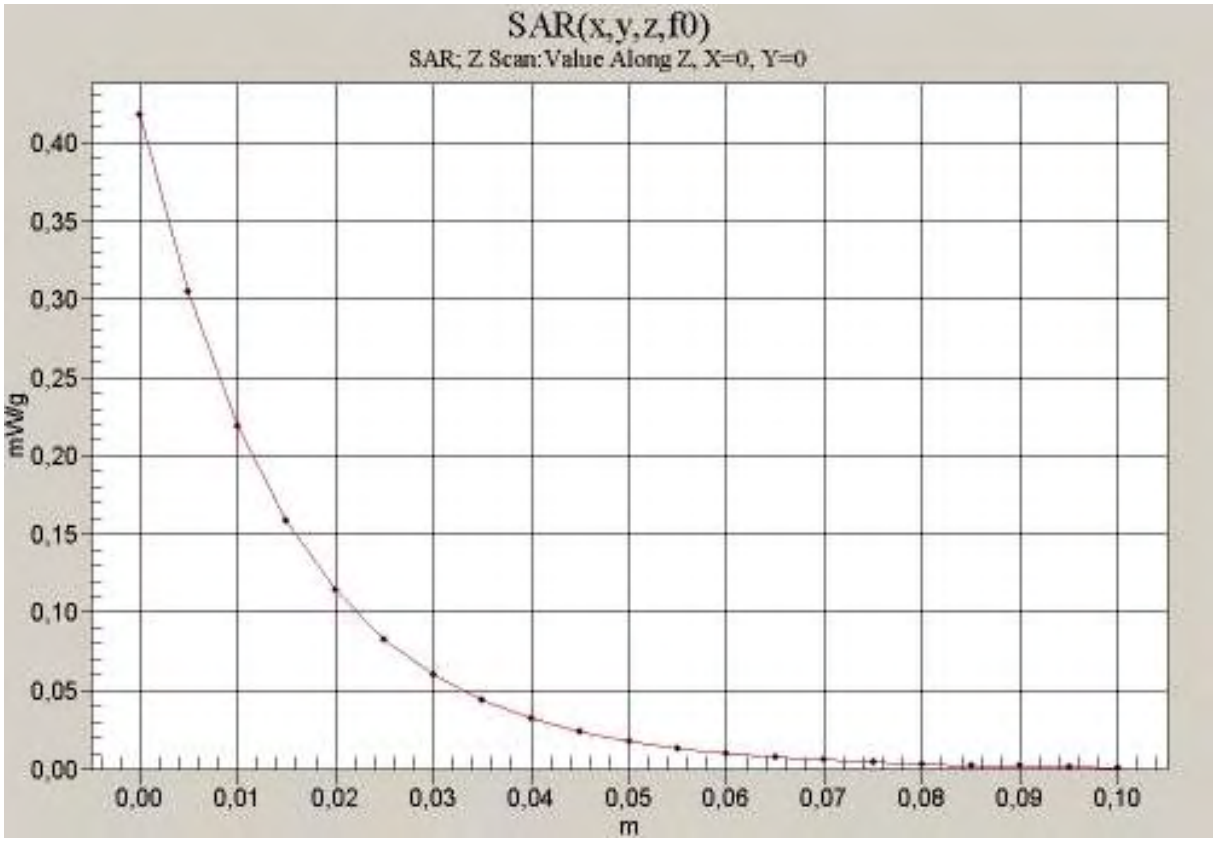
1900 head



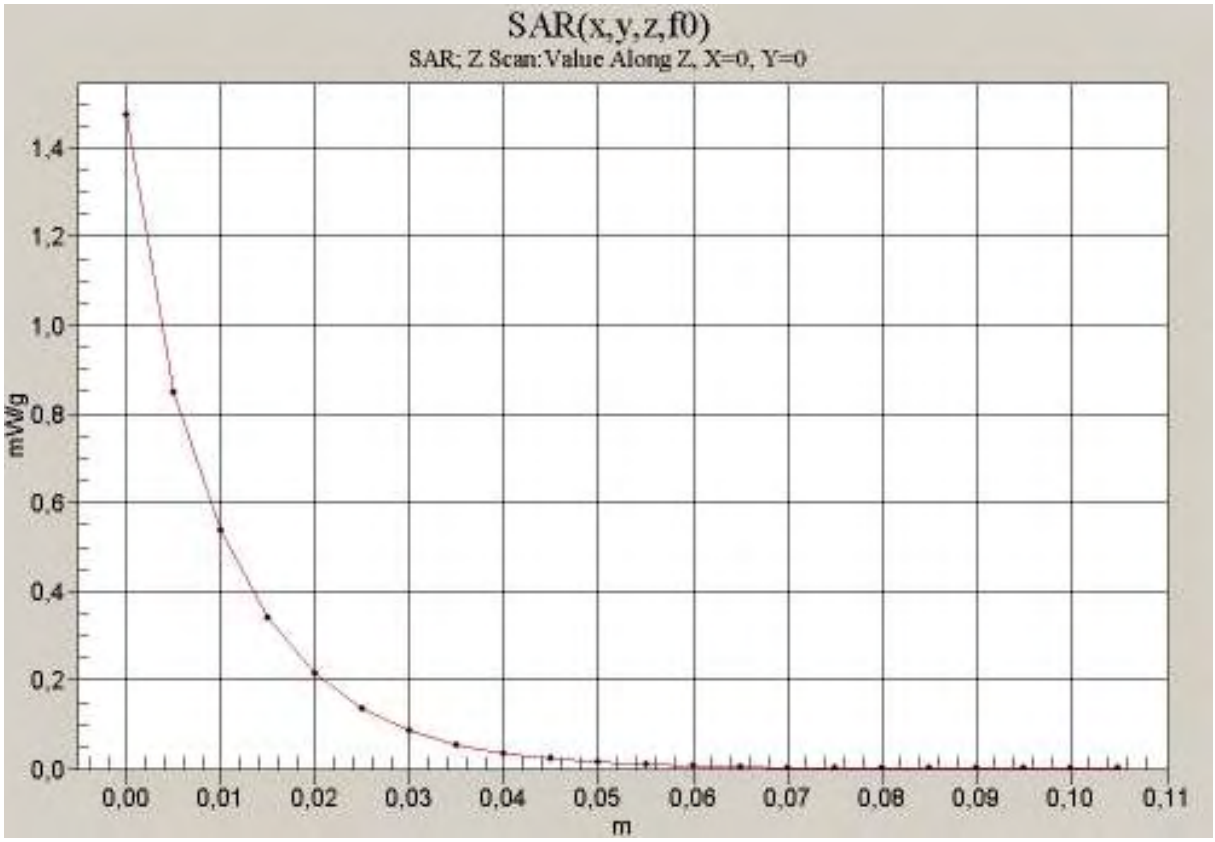
1900 body



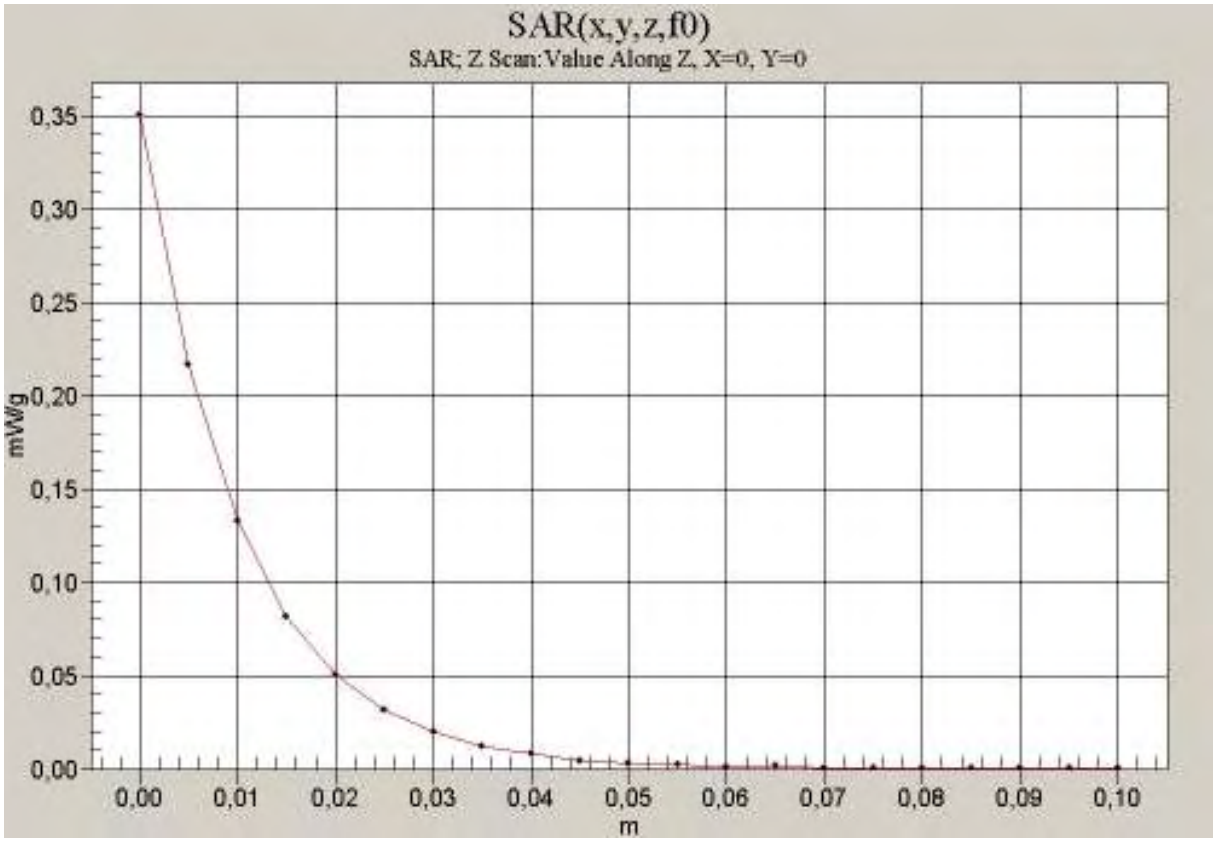
UMTS FDD V 850 head



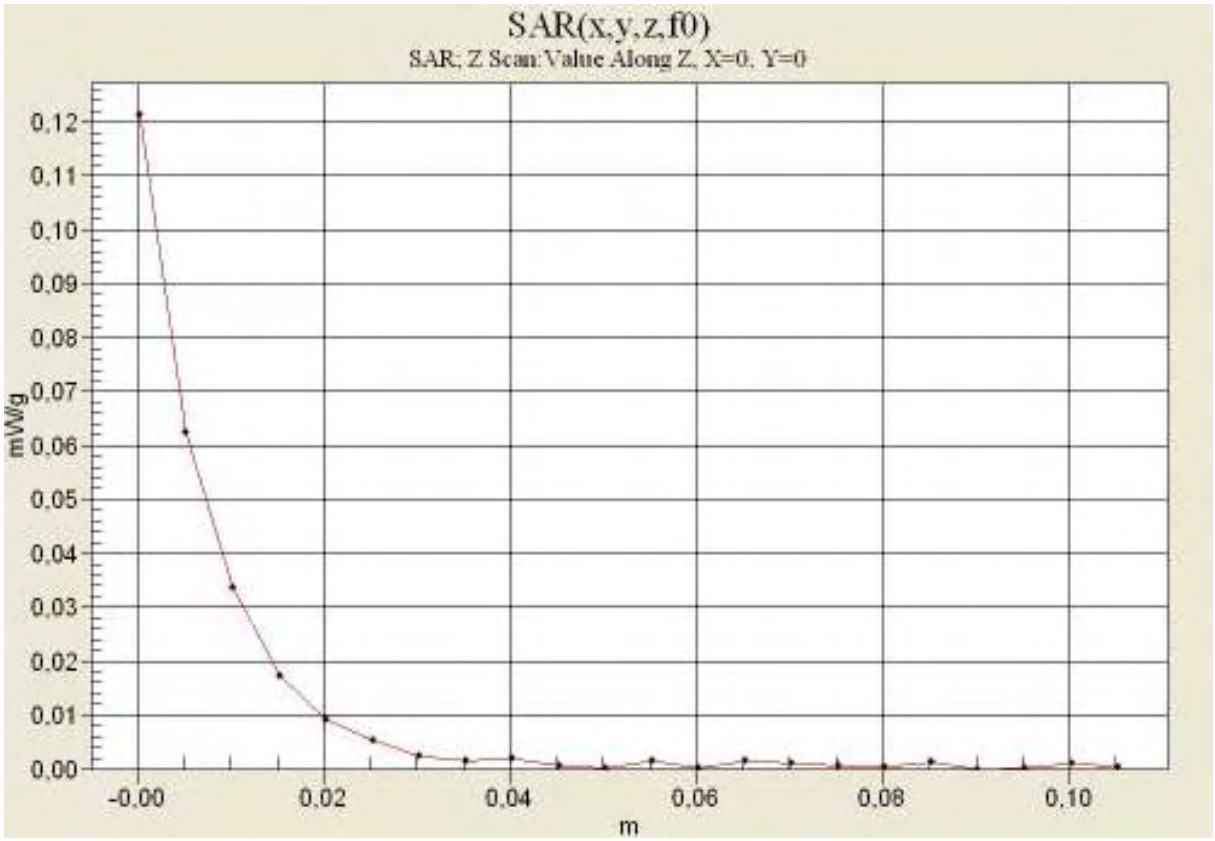
UMTS FDD V 850 body



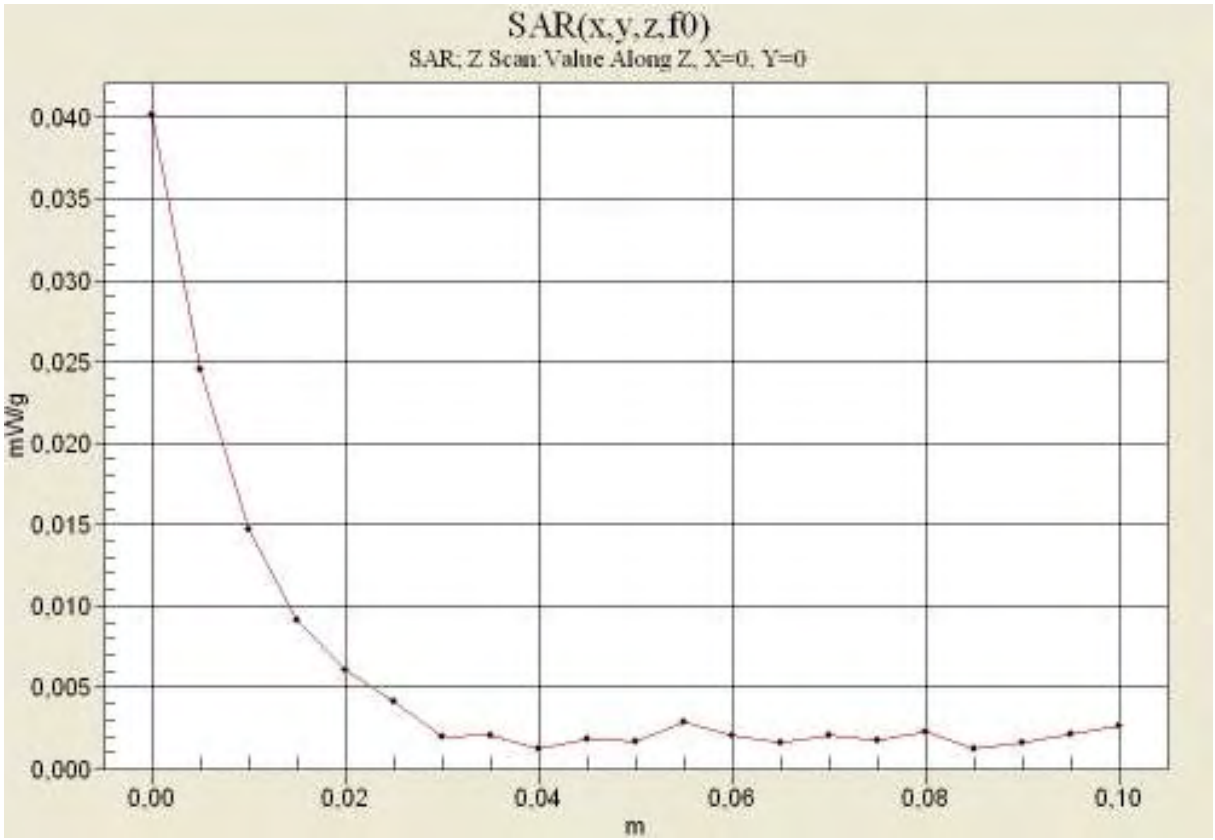
UMTS FDD II 1900 head



UMTS FDD II 1900 body



2450 head



2450 body

Annex 3 Photo documentation

Photo documentation see separate document.

Annex 4 RF Technical Brief Cover Sheet acc. to RSS-102

1. COMPANY NUMBER: 4170B

2. MODEL NUMBER: A3252081-BV

3. MANUFACTURER: Sony Ericsson Mobile Communications AB

4. TYPE OF EVALUATION:

(a) SAR Evaluation: Device used in the Vicinity of the Human Head

- **Multiple transmitters: Yes ☐ No ☒**
- **Evaluated against exposure limits: General Public Use ☒ Controlled Use ☐**
- **Duty cycle used in evaluation: 12.5 %**
- **Standard used for evaluation: RSS-102 Issue 2 (2005-11)**
- **SAR value: 1.28 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: 0.857 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 Vogler **Date: 2008-10-02**

NAME : Thomas Vogler

TITLE : Dipl.-Ing. (FH)

COMPANY : CETECOM ICT Services GmbH

Annex 5 Calibration parameters

Calibration parameters are described in the additional document :

Appendix to test report no. 2-4883-60-05/08-A‘
Calibration data, Phantom certificate
and detail information of the DASY4 System