

SAR TEST REPORT

Equipment Under Test	Dream
Model Name	DREA100
Company Name	HTC Corporation
Company Address	No.23, Xinghua Rd., Taoyuan City, Taoyuan County 330, Taiwan, R.O.C.
Date of Receipt	2008.05.22
Date of Test(s)	2008.05.25-2008.06.07;2008.07.25
Date of Issue	2008.07.31

Standards:

**FCC OET Bulletin 65 supplement C, sf
ANSI/IEEE C95.1, C95.3, IEEE 1528**

In the configuration tested, the EUT complied with the standards specified above.

Remarks:

This report details the results of the testing carried out on one sample, the results contained in this test report do not relate to other samples of the same product. The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in this report.

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Tested by : Ricky Huang Date : 2008.07.31
Asst. Supervisor

Approved by : Robert Chang Date : 2008.07.31
Tech Manager

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1. General Information

1.1 Testing Laboratory

SGS Taiwan Ltd. Electronics & Communication Laboratory	
134, Wu Kung Road, Wuku industrial zone	
Taipei county, Taiwan, R.O.C.	
Telephone	+886-2-2299-3279
Fax	+886-2-2298-0488
Internet	http://www.tw.sgs.com/

1.2 Details of Applicant

Company Name	HTC Corporation
Company Address	No.23, Xinghua Rd., Taoyuan City, Taoyuan County 330, Taiwan, R.O.C
Telephone	+886-3-375-3252Ext7397
Fax	+886-3-375-5530
Contact Person	Doris Yeh
E-mail	Doris_yeh@htc.com
Web site	http://www.htc.com.tw

1.3 Description of EUT

EUT Name	Dream		
FCC ID	NM8DRM		
Model Name	DREA100		
Brand Name	HTC		
IMEI Code	Original solution :358279010024279 Second solution :358279010028510		
Mode of Operation	GSM /GPRS/EDGE/WCDMA band		
Definition	Production unit		
Modulation Mode	GSM/GMSK/QPSK/8PSK/HPSK		
Duty Cycle	GSM	GPRS	WCDMA

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	1/8	1/4	1
Maximum RF Conducted Power (Average)	GSM 850 32.4dbm	GSM1900 30.41dbm	BAND 4 23.7dbm
TX Frequency Range (MHz)	GSM 850 824.2-848.8	GSM1900 1850-1910	BAND 4 1712.4-1752.6
Channel Number (ARFCN)	GSM 850 128-251	GSM1900 512-810	BAND 4 1312-1513
Battery Type	3.7 V Lithium-Ion		
Antenna Type	Internal Antenna		
Jog ball and EUT color description	Jog ball	EUT	
	TMU Dark Green	Black color	
	TMU Brown	Black color	
	TMU Nude	Original color	
Declaration	Second solution(change LCM & Camera)		
	This model DREA100 changed another LCM & Camera component. In order to find SAR value whether the same between first and second solution, we used spot-check method to check it. Finally, the check result, GSM850/1900 /WCDMA B4/WALN 802.11 b/g was within 20% deviation.		
Max. SAR Measured (1 g)	Head		Body
	1.11 W/kg (At WCDMA Band4 Left Head_Slideroff (15° Tilt Position)_ 1513 Channel-repeated with WLAN802.11 b active)		1.08 W/kg (At GSM 850 Body 251Channel-repeated with Memory card)

Note:

- EGPRS mode was not measured because maximum averaged output power is 3 dB lower in EGPRS mode than in GPRS mode.

1.4 Test Environment

Ambient Temperature: 22.2° C

Tissue Simulating Liquid: 21.7° C

Relative Humidity: 62 %

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1.5 Operation description

General:

1. The EUT is controlled by using a Radio Communication Tester (R&S CMU200), and the communication between the EUT and the tester is established by air link. Measurements are performed respectively on the lowest, middle and highest channels of the operating band(s). The EUT is set to maximum power level during all tests, and at the beginning of each test the battery is fully charged.
2. During the SAR testing, the DASY4 system checks power drift by comparing the e-field strength of one specific location measured at the beginning with that measured at the end of the SAR testing.
3. Testing Head SAR at lowest, middle and highest channel for all bands with LET/LEC/RET/REC conditions.
4. Testing body-worn SAR by separating **1.5cm** between the back of the EUT and the flat phantom in GPRS mode.

Worse case-Head:

5. Testing SAR with dominant transmitter ON and co-located Bluetooth transmitter both ON for head-position worst case configuration.
6. For highest SAR configuration in this band repeated with external Memory card inside.
7. For highest SAR configuration in this band repeated with external WLAN802.11b active.
8. For highest SAR configuration in this band repeated with external WLAN802.11g active.
9. For highest SAR configuration in this band repeated with external WLAN802.11b & Bluetooth active.
10. For highest SAR configuration in this band repeated with TWS Battery

Worse case-Body:

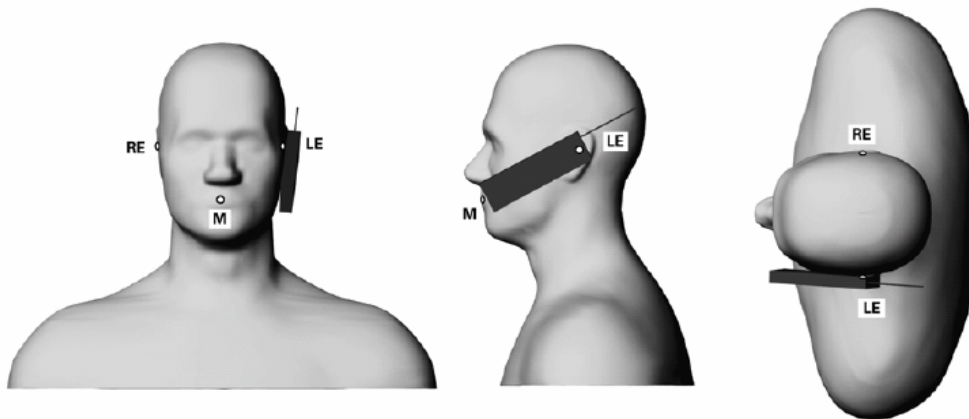
11. Testing body-worn SAR with Headset and with Bluetooth transmitter OFF by separating **1.5cm** between the front of the EUT and the flat phantom in GPRS mode.
12. Testing body-worn SAR with Headset and with Bluetooth transmitter ON in GPRS mode at the body-worn worst case configuration.
13. For highest SAR configuration in this band repeated with external Memory card inside.
14. For highest SAR configuration in this band repeated with Headset.
15. For highest SAR configuration in this band repeated with external WLAN802.11b active.

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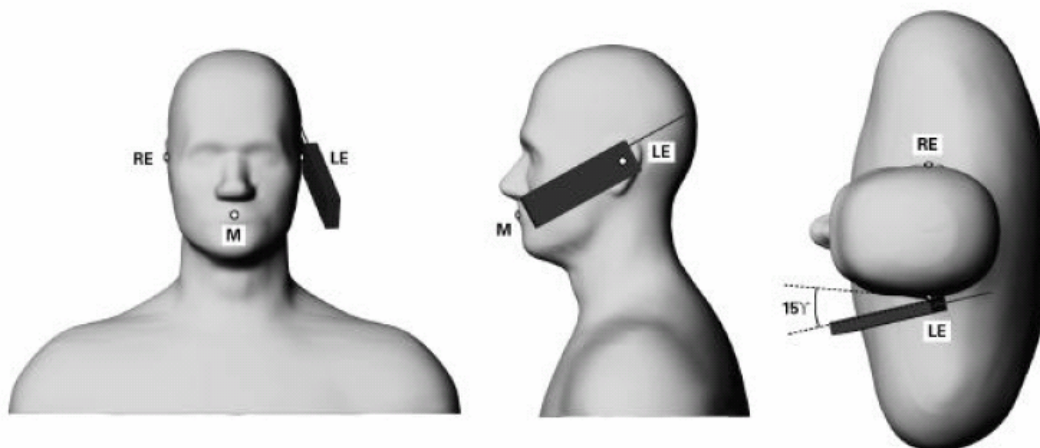
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16. For highest SAR configuration in this band repeated with external WLAN802.11g active.
17. For highest SAR configuration in this band repeated with external WLAN802.11b & Bluetooth active.
18. For highest SAR configuration in this band repeated with TWS Battery

1.6 Positioning Procedure



Phone position 1, "cheek" or "touch" position. The reference points for the right ear (RE), left ear (LE) and mouth (M), which define the reference plane for phone positioning



Phone position 2, "tilted position." The reference points for the right ear (RE), left ear (LE) and mouth (M), which define the reference plane for phone positioning
Cheek/Touch Position:

the handset was brought toward the mouth of the head phantom by pivoting against the ear reference point until any point of the mouthpiece or keypad touched the phantom.

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Ear/Tilt Position:

With the phone aligned in the Cheek/Touch position, the handset was tilted away from the mouth with respect to the test device reference point by 15 degrees.

1.7 EVALUATION PROCEDURES

The entire evaluation of the spatial peak values is performed within the Post-processing engine (SEMCAD). The system always gives the maximum values for the 1 g and 10 g cubes. The algorithm to find the cube with highest averaged SAR is divided into the following stages:

1. The extraction of the measured data (grid and values) from the Zoom Scan.
2. The calculation of the SAR value at every measurement point based on all stored data (A/D values and measurement parameters)
3. The generation of a high-resolution mesh within the measured volume
4. The interpolation of all measured values from the measurement grid to the high-resolution grid
5. The extrapolation of the entire 3-D field distribution to the phantom surface over the distance from sensor to surface
6. The calculation of the averaged SAR within masses of 1g and 10g.

The probe is calibrated at the center of the dipole sensors that is located 1 to 2.7mm away from the probe tip. During measurements, the probe stops shortly above the phantom surface, depending on the probe and the surface detecting system. Both distances are included as parameters in the probe configuration file. The software always knows exactly how far away the measured point is from the surface. As the probe cannot directly measure at the surface, the values between the deepest measured point and the surface must be extrapolated. The angle between the probe axis and the surface normal line is less than 30 degree.

In the Area Scan, the gradient of the interpolation function is evaluated to find all the extreme of the SAR distribution. The uncertainty on the locations of the extreme is less than 1/20 of the grid size. Only local maximum within -2 dB of the global maximum are searched and passed for the Cube Scan measurement. In the Cube Scan, the interpolation function is used to extrapolate the Peak SAR from the lowest measurement points to the inner phantom surface (the extrapolation distance). The uncertainty increases with the extrapolation distance. To keep the uncertainty within 1% for the 1 g and 10 g cubes, the extrapolation distance should not be larger than 5mm.

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The maximum search is automatically performed after each area scan measurement. It is based on splines in two or three dimensions. The procedure can find the maximum for most SAR distributions even with relatively large grid spacing. After the area scanning measurement, the probe is automatically moved to a position at the interpolated maximum. The following scan can directly use this position for reference, e.g., for a finer resolution grid or the cube evaluations. The 1g and 10g peak evaluations are only available for the predefined cube 7x7x7 scans.

The routines are verified and optimized for the grid dimensions used in these cube measurements. The measured volume of 30x30x30mm contains about 30g of tissue. The first procedure is an extrapolation (incl. Boundary correction) to get the points between the lowest measured plane and the surface. The next step uses 3D interpolation to get all points within the measured volume. In the last step, a 1g cube is placed numerically into the volume and its averaged SAR is calculated. This cube is moved around until the highest averaged SAR is found. If the highest SAR is found at the edge of the measured volume, the system will issue a warning: higher SAR values might be found outside of the measured volume. In that case the cube measurement can be repeated, using the new interpolated maximum as the center.

1.8 The SAR Measurement System

A photograph of the SAR measurement System is given in Fig. a. This SAR Measurement System uses a Computer-controlled 3-D stepper motor system (SPEAG DASY 4 professional system). A Model EX3DV3 3526-field probe is used to determine the internal electric fields. The SAR can be obtained from the equation $SAR = \sigma (|E_i|^2) / \rho$ where σ and ρ are the conductivity and mass density of the tissue-simulant.

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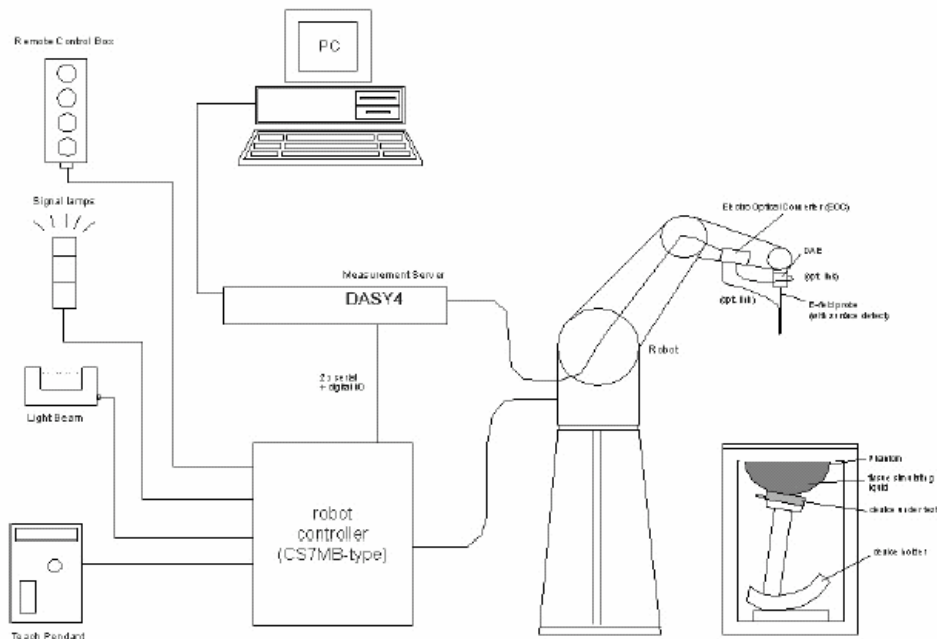


Fig.a The microwave circuit arrangement used for SAR system verification

The DASY4 system for performing compliance tests consists of the following items:

- A standard high precision 6-axis robot (Stabile RX family) with controller, teach pendant and software. An arm extension is 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 electronics (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.
- The Electro-optical converter (EOC) performs the conversion between optical and electrical of the signals for the digital communication to the DAE and for the analog signal from the optical surface detection. The EOC is connected to the measurement server.
- The function of the measurement server is to perform the time critical tasks such as signal filtering, control of the robot operation and fast movement interrupts.
- A probe alignment unit which improves the (absolute) accuracy of the probe positioning.
- A computer operating Windows 2000 or Windows XP.


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- DASY4 software.
- Remote control with teach pendant and additional circuitry for robot safety such as warning lamps, etc.
- The SAM twin phantom enabling testing left-hand and right-hand usage.
- The device holder for handheld mobile phones.
- Tissue simulating liquid mixed according to the given recipes.
- Validation dipole kits allowing to validate the proper functioning of the system.

1.9 System Components

EX3DV3 E-Field Probe

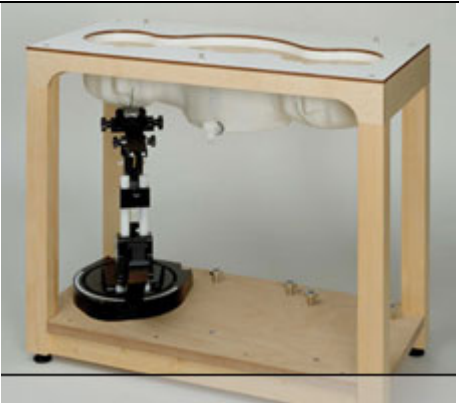
Construction:	Symmetrical design with triangular core Built-in shielding against static charges PEEK enclosure material (resistant to organic solvents, e.g., DGBE)	
Calibration:	Basic Broad Band Calibration in air Conversion Factors (CF) for HSL850/1800/1900/2450 Additional CF for other liquids and frequencies upon request	
Frequency:	10 MHz to > 6 GHz; Linearity: ± 0.2 dB (30 MHz to 6 GHz)	
Directivity:	± 0.3 dB in HSL (rotation around probe axis) ± 0.5 dB in tissue material (rotation normal to probe axis)	
Dynamic Range:	10 μ W/g to > 100 mW/g; Linearity: ± 0.2 dB (noise: typically < 1 μ W/g)	
Dimensions:	Overall length: 330 mm (Tip: 20 mm) Tip diameter: 2.5 mm (Body: 12 mm) Typical distance from probe tip to dipole centers: 1 mm	
Application:	High precision dosimetric measurements in any exposure scenario (e.g., very strong gradient fields). Only probe which enables compliance testing for frequencies up to 6 GHz with precision of better 30%.	

SAM PHANTOM V4.0C


Construction:	The shell corresponds to the specifications of the Specific Anthropomorphic Mannequin (SAM) phantom defined in IEEE 1528-200X, CENELEC 50361 and IEC 62209. It enables the dosimetric evaluation of left and right hand phone usage as well as body mounted usage at the flat phantom region. A cover prevents evaporation of the liquid. Reference markings on the phantom allow the complete setup of all predefined phantom
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	positions and measurement grids by manually teaching three points with the robot.	
Shell Thickness:	2 ± 0.2 mm	
Filling Volume:	Approx. 25 liters	
Dimensions:	Height: 251 mm; Length: 1000 mm; Width: 500 mm	

DEVICE HOLDER

Construction	In combination with the Twin SAM Phantom V4.0/V4.0C or Twin SAM, the Mounting Device (made from POM) enables the rotation of the mounted transmitter in spherical coordinates, whereby the rotation point is the ear opening. The devices can be easily and accurately positioned according to IEC, IEEE, CENELEC, FCC or other specifications. The device holder can be locked at different phantom locations (left head, right head, flat phantom).	 <p style="text-align: center;">Device Holder</p>
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1.10 SAR System Verification

The microwave circuit arrangement for system verification is sketched in Fig. b. The daily system accuracy verification occurs within the flat section of the SAM phantom. A SAR measurement was performed to see if the measured SAR was within +/- 5% from the target SAR values. These tests were done at 900/1800/1900/2450 MHz. The tests were conducted on the same days as the measurement of the DUT. The obtained results from the system accuracy verification are displayed in the table 1. During the tests, the ambient temperature of the laboratory was in the range 22.2°C, the relative humidity was in the range 62% and the liquid depth above the ear reference points was above 15 cm in all the cases. It is seen that the system is operating within its specification, as the results are within acceptable tolerance of the reference values.

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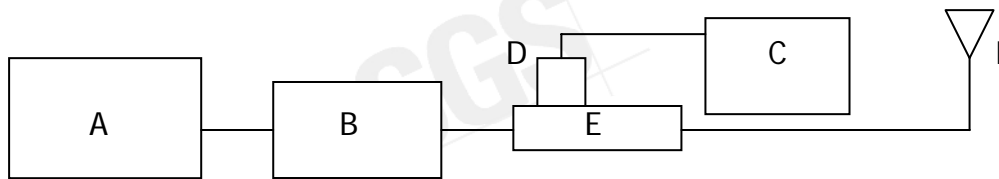
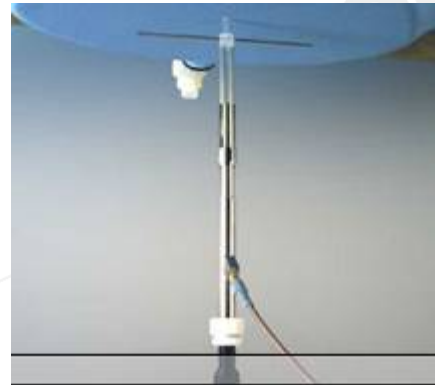


Fig.b The microwave circuit arrangement used for SAR system verification

- A. Agilent Model 8648D Signal Generator
- B. Mini circuits Model ZHL-42 Amplifier
- C. Agilent Model E4416A Power Meter
- D. Agilent Model 8481H Power Sensor
- E. Agilent Model 778D & 777 Dual directional coupling
- F. Reference dipole antenna



Photograph of the dipole Antenna

Validation Kit	Frequency (MHz)	Target SAR (1g) (Pin=250mW)	Measured SAR (1g)	Variation	Measured Date
D900V2 S/N: 178	900 MHz (Head)	2.67 m W/g	2.58m W/g	3.3%	2008/5/25
D900V2 S/N: 178	900 MHz (Body)	2.84 m W/g	2.79m W/g	1.7%	2008/6/07
D1800V2 S/N: 2d061	1800 MHz (Head)	9.86 m W/g	9.41m W/g	4.6%	2008/5/28
D1800V2 S/N: 2d061	1800 MHz (Body)	9.87 m W/g	9.49m W/g	3.9%	2008/5/29
D1900V2 S/N: 5d027	1900 MHz (Head)	10.3 m W/g	10.8m W/g	4.8%	2008/5/26
D1900V2 S/N: 5d027	1900 MHz (Body)	9.64 m W/g	9.32m W/g	3.3%	2008/5/29
D2450V2 S/N: 727	2450 MHz (Body)	13.2 m W/g	13.5m W/g	2.3%	2008/6/02
D900V2 S/N: 178	900 MHz (Head)	2.67 m W/g	2.63m W/g	1.4%	2008/7/25
D900V2 S/N: 178	900 MHz (Body)	2.84 m W/g	2.74m W/g	3.5%	2008/7/25
D1800V2 S/N: 2d061	1800 MHz (Head)	9.86 m W/g	9.43m W/g	4.3%	2008/7/25

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D1800V2 S/N: 2d061	1800 MHz (Body)	9.87 m W/g	9.77m W/g	1%	2008/7/25
D1900V2 S/N: 5d027	1900 MHz (Head)	10.3 m W/g	10.8m W/g	4.8%	2008/7/25
D1900V2 S/N: 5d027	1900 MHz (Body)	9.64 m W/g	9.39m W/g	2.5%	2008/7/25
D2450V2 S/N: 727	2450 MHz (Body)	13.2 m W/g	13.8m W/g	4.5%	2008/7/25

Table 1. System validation (follow manufacture target value)

1.11 Tissue Simulant Fluid for the Frequency Band

The dielectric properties for this Head-simulant fluid were measured by using the HP Model 85070D Dielectric Probe (rates frequency band 200 MHz to 20 GHz) in conjunction with HP 8753D Network Analyzer (30 KHz-6000MHz) by using a procedure detailed in Section V.

All dielectric parameters of tissue simulates were measured within 24 hours of SAR measurements. The depth of the tissue simulant in the ear reference point of the phantom was 15cm±5mm during all tests. (Appendix Fig .2)

Frequency (MHz)	Tissue type	Measurement date/ Limits	Dielectric Parameters		
			ρ	σ (S/m)	Simulated Tissue Temperature(° C)
900	Head	Measured, 2008.05.25	39.4	0.937	21.7
		Recommended Limits	39.4-43.6	0.86-1.03	20-24
900	Body	Measured, 2008.06.07	54.4	1.07	21.7
		Recommended Limits	52.3-57.8	0.92-1.1	20-24
1800	Head	Measured, 2008.05.28	41.3	1.34	21.7
		Recommended Limits	38-42	1.29-1.47	20-24
1800	Body	Measured, 2008.05.29	51.8	1.49	21.7
		Recommended Limits	50.6-56	1.38-1.6	20-24
1900	Head	Measured, 2008.05.26	41	1.46	21.7
		Recommended Limits	38-42	1.29-1.47	20-24
1900	Body	Measured, 2008.05.29	51.1	1.57	21.7
		Recommended Limits	50.6-56	1.44-1.69	20-24
2450	Body	Measured, 2008.06.02	54.3	1.97	21.7
		Recommended Limits	50.1-55.3	1.85-2.12	20-24

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900	Head	Measured, 2008.07.25	41.5	0.968	21.7
		Recommended Limits	39.4-43.6	0.86-1.03	20-24
900	Body	Measured, 2008.07.25	55.9	1.01	21.7
		Recommended Limits	52.3-57.8	0.92-1.1	20-24
1800	Head	Measured, 2008.07.25	40.8	1.46	21.7
		Recommended Limits	38-42	1.29-1.47	20-24
1800	Body	Measured, 2008.07.25	52.7	1.45	21.7
		Recommended Limits	50.6-56	1.38-1.6	20-24
1900	Head	Measured, 2008.07.25	38.5	1.38	21.7
		Recommended Limits	38-42	1.29-1.47	20-24
1900	Body	Measured, 2008.07.25	52.4	1.56	21.7
		Recommended Limits	50.6-56	1.44-1.69	20-24
2450	Body	Measured, 2008.07.25	50.9	1.99	21.7
		Recommended Limits	50.1-55.3	1.85-2.12	20-24

Table 2. Dielectric Parameters of Tissue Simulant Fluid

Band 850 Frequency (MHz)	Channel	Target	Permittivity Measurement Data	Variation	Target	Conductivity Measurement Data	Variation
For Head Part (GSM850)							
Low(824.2)	128	41	39.9	2.68%	0.89	0.901	1.23%
Mid(836.6)	190		39.8	2.92%		0.929	4.38%
High(848.8)	251		39.7	3.17%		0.933	4.83%
For Body Part (GSM850)							
Low(824.2)	128	55.2	55.1	0.18%	0.97	0.994	2.4%
Mid(836.6)	190		55	0.36%		1	3%
High(848.8)	251		54.9	0.54%		1.01	4.1%

Table 3. Dielectric Parameters of Tissue Simulant Fluid (follow P1528 target value)

The composition of the brain tissue simulating liquid for 900 band:

Ingredient	900MHz (Head)	900MHz (Body)	1800MHz (Head)	1800MHz (Body)	1900MHz (Head)	1900MHz (Body)	2450MHz (Body)
DGMBE	X	X	444.52	300.67g	444.52 g	300.67g	301.7ml
Water	532.98 g	631.68 g	552.42 g	716.56 g	552.42 g	716.56 g	698.3ml
Salt	18.3 g	11.72 g	3.06 g	4.0 g	3.06 g	4.0 g	X

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Preventol D-7	2.4 g	1.2 g	X	X	X	X	X
Cellulose	3.2 g	X	X	X	X	X	X
Sugar	766.0 g	600 g	X	X	X	X	X
Total amount	1 L (1.0kg)	1 L (1.0kg)	1 L (1.0kg)	1 L (1.0kg)	1 L (1.0kg)	1 L (1.0kg)	1 L (1.0kg)

Table 4. Recipes for tissue simulating liquid

1.12 Test Standards and Limits

According to FCC 47CFR §2.1093(d) The limits to be used for evaluation are based generally on criteria published by the American National Standards Institute (ANSI) for localized specific absorption rate ("SAR") in Section 4.2 of "IEEE Standard for Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz to 300 GHz," ANSI/IEEE C95.1-1992, Copyright 1992 by the Institute of Electrical and Electronics Engineers, Inc., New York, New York 10017. These criteria for SAR evaluation are similar to those recommended by the National Council on Radiation Protection and Measurements (NCRP) in "Biological Effects and Exposure Criteria for Radio frequency Electromagnetic Fields," NCRP Report No. 86, Section 17.4.5. Copyright NCRP, 1986, Bethesda, Maryland 20814. SAR is a measure of the rate of energy absorption due to exposure to an RF transmitting source. SAR values have been related to threshold levels for potential biological hazards. The criteria to be used are specified in paragraphs (d)(1) and (d)(2) of this section and shall apply for portable devices transmitting in the frequency range from 100 kHz to 6 GHz. Portable devices that transmit at frequencies above 6 GHz are to be evaluated in terms of the MPE limits specified in § 1.1310 of this chapter. Measurements and calculations to demonstrate compliance with MPE field strength or power density limits for devices operating above 6 GHz should be made at a minimum distance of 5 cm from the radiating source.

(1) Limits for Occupational/Controlled exposure: 0.4 W/kg as averaged over the whole-body and spatial peak SAR not exceeding 8 W/kg as averaged over any 1 gram of tissue (defined as a tissue volume in the shape of a cube). Exceptions are the hands, wrists, feet and ankles where the spatial peak SAR shall not exceed 20 W/kg, as averaged over an 10 grams of tissue (defined as a tissue volume in the shape of a cube).

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Occupational/Controlled limits apply when persons are exposed as a consequence of their employment provided these persons are fully aware of and exercise control over their exposure. Awareness of exposure can be accomplished by use of warning labels or by specific training or education through appropriate means, such as an RF safety program in a work environment.

(2) Limits for General Population/Uncontrolled exposure: 0.08 W/kg as averaged over the whole-body and spatial peak SAR not exceeding 1.6 W/kg as averaged over any 1 gram of tissue (defined as a tissue volume in the shape of a cube). Exceptions are the hands, wrists, feet and ankles where the spatial peak SAR shall not exceed 4 W/kg, as averaged over any 10 grams of tissue (defined as a tissue volume in the shape of a cube). General Population/Uncontrolled limits apply when the general public may be exposed, or when persons that are exposed as a consequence of their employment may not be fully aware of the potential for exposure or do not exercise control over their exposure. Warning labels placed on consumer devices such as cellular telephones will not be sufficient reason to allow these devices to be evaluated subject to limits for occupational/controlled exposure in paragraph (d)(1) of this section.(Table .6)

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

Table .5 RF exposure limits

Notes:

1. Uncontrolled environments are defined as locations where there is potential exposure of individuals who have no knowledge or control of their potential exposure.
2. Controlled environments are defined as locations where there is potential exposure of individuals who have knowledge of their potential exposure and can exercise control over their exposure.

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2. Summary of Results

Original solution measurement result GSM 850 MHZ

Right Head_ Slider off (Cheek Position)						
Frequency	Channel	MHz	Conducted Output Power (Average)	Measured(W/kg) 1g	Amb. Temp[° C]	Liquid Temp[° C]
850 MHz	128	824.2	32.4dbm	0.145	22.1	21.7
	190	836.6	32.1dbm	0.201	22.1	21.7
	251	848.8	31.9dbm	0.267	22.1	21.7
Left Head_ Slider off (Cheek Position)						
Frequency	Channel	MHz	Conducted Output Power (Average)	Measured(W/kg) 1g	Amb. Temp[° C]	Liquid Temp[° C]
850 MHz	128	824.2	32.4dbm	0.145	22.1	21.7
	190	836.6	32.1dbm	0.204	22.1	21.7
	251	848.8	31.9dbm	0.259	22.1	21.7
Right Head_ Slider off (15° Tilt Position)						
Frequency	Channel	MHz	Conducted Output Power (Average)	Measured(W/kg) 1g	Amb. Temp[° C]	Liquid Temp[° C]
850 MHz	128	824.2	32.4dbm	0.117	22.1	21.7
	190	836.6	32.1dbm	0.153	22.1	21.7
	251	848.8	31.9dbm	0.186	22.1	21.7
Left Head_ Slider off (15° Tilt Position)						
Frequency	Channel	MHz	Conducted Output Power (Average)	Measured(W/kg) 1g	Amb. Temp[° C]	Liquid Temp[° C]
850 MHz	128	824.2	32.4dbm	0.105	22.1	21.7
	190	836.6	32.1dbm	0.144	22.1	21.7
	251	848.8	31.9dbm	0.178	22.1	21.7
Right Head_ Slider on (Cheek Position)						
Frequency	Channel	MHz	Conducted Output Power (Average)	Measured(W/kg) 1g	Amb. Temp[° C]	Liquid Temp[° C]
850 MHz	128	824.2	32.4dbm	0.133	22.1	21.7
	190	836.6	32.1dbm	0.175	22.1	21.7
	251	848.8	31.9dbm	0.228	22.1	21.7
Left Head_ Slider on (Cheek Position)						

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Frequency	Channel	MHz	Conducted Output Power (Average)	Measured(W/kg) 1g	Amb. Temp[°C]	Liquid Temp[°C]
850 MHz	128	824.2	32.4dbm	0.102	22.1	21.7
	190	836.6	32.1dbm	0.132	22.1	21.7
	251	848.8	31.9dbm	0.17	22.1	21.7

Right Head_ Slider on (15° Tilt Position)

Frequency	Channel	MHz	Conducted Output Power (Average)	Measured(W/kg) 1g	Amb. Temp[°C]	Liquid Temp[°C]
850 MHz	128	824.2	32.4dbm	0.157	22.1	21.7
	190	836.6	32.1dbm	0.198	22.1	21.7
	251	848.8	31.9dbm	0.237	22.1	21.7

Left Head_ Slider on (15° Tilt Position)

Frequency	Channel	MHz	Conducted Output Power (Average)	Measured(W/kg) 1g	Amb. Temp[°C]	Liquid Temp[°C]
850 MHz	128	824.2	32.4dbm	0.102	22.1	21.7
	190	836.6	32.1dbm	0.123	22.1	21.7
	251	848.8	31.9dbm	0.147	22.1	21.7

Body worn (testing in GPRS mode)

Frequency	Channel	MHz	Conducted Output Power (Average)	Measured(W/kg) 1g	Amb. Temp[°C]	Liquid Temp[°C]
850 MHz	128	824.2	32.4dbm	0.901	22.1	21.7
	190	836.6	32.1dbm	1.04	22.1	21.7
	251	848.8	31.9dbm	1.07	22.1	21.7

Body worn- repeated for EUT front to phantom

Frequency	Channel	MHz	Conducted Output Power (Average)	Measured(W/kg) 1g	Amb. Temp[°C]	Liquid Temp[°C]
850 MHz	251	848.8	31.9dbm	0.416	22.1	21.7

Body worn- repeated with Memory card

Frequency	Channel	MHz	Conducted Output Power (Average)	Measured(W/kg) 1g	Amb. Temp[°C]	Liquid Temp[°C]
850 MHz	251	848.8	31.9dbm	1.08	22.1	21.7

Body worn- repeated with Bluetooth active

Frequency	Channel	MHz	Conducted Output Power (Average)	Measured(W/kg) 1g	Amb. Temp[°C]	Liquid Temp[°C]
850 MHz	251	848.8	31.9dbm	1.04	22.1	21.7

Body worn- repeated with Headset

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Frequency	Channel	MHz	Conducted Output Power (Average)	Measured(W/kg) 1g	Amb. Temp[°C]	Liquid Temp[°C]
850 MHz	251	848.8	31.9dbm	0.798	22.1	21.7
Body worn- repeated with WLAN802.11 b active						
Frequency	Channel	MHz	Conducted Output Power (Average)	Measured(W/kg) 1g	Amb. Temp[°C]	Liquid Temp[°C]
850 MHz	251	848.8	31.9dbm	0.695	22.1	21.7
Body worn- repeated with WLAN802.11 g active						
Frequency	Channel	MHz	Conducted Output Power (Average)	Measured(W/kg) 1g	Amb. Temp[°C]	Liquid Temp[°C]
850 MHz	251	848.8	31.9dbm	0.692	22.1	21.7
Body worn- repeated with WLAN802.11 b & Bluetooth active						
Frequency	Channel	MHz	Conducted Output Power (Average)	Measured(W/kg) 1g	Amb. Temp[°C]	Liquid Temp[°C]
850 MHz	251	848.8	31.9dbm	0.7	22.1	21.7
Body worn- repeated with TWS Battery						
Frequency	Channel	MHz	Conducted Output Power (Average)	Measured(W/kg) 1g	Amb. Temp[°C]	Liquid Temp[°C]
850 MHz	251	848.8	31.9dbm	0.867	22.1	21.7

GSM 1900 MHZ

Right Head_ Slider off (Cheek Position)						
Frequency	Channel	MHz	Conducted Output Power (Average)	Measured(W/kg) 1g	Amb. Temp[°C]	Liquid Temp[°C]
1900 MHz	512	1850.2	30.4dbm	0.512	22.1	21.7
	661	1880	29.4dbm	0.552	22.1	21.7
	810	1909.8	30.1dbm	0.534	22.1	21.7
Left Head_ Slider off (Cheek Position)						
Frequency	Channel	MHz	Conducted Output Power (Average)	Measured(W/kg) 1g	Amb. Temp[°C]	Liquid Temp[°C]
1900 MHz	512	1850.2	30.4dbm	0.528	22.1	21.7
	661	1880	29.4dbm	0.554	22.1	21.7
	810	1909.8	30.1dbm	0.532	22.1	21.7
Right Head_ Slider off (15° Tilt Position)						
Frequency	Channel	MHz	Conducted Output Power (Average)	Measured(W/kg) 1g	Amb. Temp[°C]	Liquid Temp[°C]
1900 MHz	512	1850.2	30.4dbm	0.695	22.1	21.7

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	661	1880	29.4dbm	0.711	22.1	21.7
	810	1909.8	30.1dbm	0.662	22.1	21.7
Left Head _ Slider off (15° Tilt Position)						
Frequency	Channel	MHz	Conducted Output Power (Average)	Measured(W/kg) 1g	Amb. Temp[°C]	Liquid Temp[°C]
1900 MHz	512	1850.2	30.4dbm	0.702	22.1	21.7
	661	1880	29.4dbm	0.713	22.1	21.7
	810	1909.8	30.1dbm	0.642	22.1	21.7
Right Head_ Slider on (Cheek Position)						
Frequency	Channel	MHz	Conducted Output Power (Average)	Measured(W/kg) 1g	Amb. Temp[°C]	Liquid Temp[°C]
1900 MHz	512	1850.2	30.4dbm	0.456	22.1	21.7
	661	1880	29.4dbm	0.42	22.1	21.7
	810	1909.8	30.1dbm	0.382	22.1	21.7
Left Head_ Slider on (Cheek Position)						
Frequency	Channel	MHz	Conducted Output Power (Average)	Measured(W/kg) 1g	Amb. Temp[°C]	Liquid Temp[°C]
1900 MHz	512	1850.2	30.4dbm	0.42	22.1	21.7
	661	1880	29.4dbm	0.377	22.1	21.7
	810	1909.8	30.1dbm	0.335	22.1	21.7
Right Head_ Slider on (15° Tilt Position)						
Frequency	Channel	MHz	Conducted Output Power (Average)	Measured(W/kg) 1g	Amb. Temp[°C]	Liquid Temp[°C]
1900 MHz	512	1850.2	30.4dbm	0.649	22.1	21.7
	661	1880	29.4dbm	0.627	22.1	21.7
	810	1909.8	30.1dbm	0.606	22.1	21.7
Left Head _ Slider on (15° Tilt Position)						
Frequency	Channel	MHz	Conducted Output Power (Average)	Measured(W/kg) 1g	Amb. Temp[°C]	Liquid Temp[°C]
1900 MHz	512	1850.2	30.4dbm	0.57	22.1	21.7
	661	1880	29.4dbm	0.565	22.1	21.7
	810	1909.8	30.1dbm	0.522	22.1	21.7
Body worn (testing in GPRS mode)						
Frequency	Channel	MHz	Conducted Output Power (Average)	Measured(W/kg) 1g	Amb. Temp[°C]	Liquid Temp[°C]
1900 MHz	512	1850.2	30.4dbm	0.848	22.1	21.7

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	661	1880	29.4dbm	0.775	22.1	21.7
	810	1909.8	30.1dbm	0.69	22.1	21.7

WCDMA Band 4

Right Head_ Slider off (Cheek Position)

Frequency	Channel	MHz	Conducted Output Power (Average)	Measured(W/kg) 1g	Amb. Temp[°C]	Liquid Temp[°C]
WCDMA B4	1312	1712.4	23.3dbm	0.499	22.1	21.7
	1412	1732.4	23.5dbm	0.536	22.1	21.7
	1513	1752.6	23.7dbm	0.687	22.1	21.7

Left Head _ Slider off (Cheek Position)

Frequency	Channel	MHz	Conducted Output Power (Average)	Measured(W/kg) 1g	Amb. Temp[°C]	Liquid Temp[°C]
WCDMA B4	1312	1712.4	23.3dbm	0.511	22.1	21.7
	1412	1732.4	23.5dbm	0.57	22.1	21.7
	1513	1752.6	23.7dbm	0.756	22.1	21.7

Right Head_ Slider off (15° Tilt Position)

Frequency	Channel	MHz	Conducted Output Power (Average)	Measured(W/kg) 1g	Amb. Temp[°C]	Liquid Temp[°C]
WCDMA B4	1312	1712.4	23.3dbm	0.67	22.1	21.7
	1412	1732.4	23.5dbm	0.741	22.1	21.7
	1513	1752.6	23.7dbm	0.963	22.1	21.7

Left Head_ Slider off (15° Tilt Position)

Frequency	Channel	MHz	Conducted Output Power (Average)	Measured(W/kg) 1g	Amb. Temp[°C]	Liquid Temp[°C]
WCDMA B4	1312	1712.4	23.3dbm	0.698	22.1	21.7
	1412	1732.4	23.5dbm	0.752	22.1	21.7
	1513	1752.6	23.7dbm	1.08	22.1	21.7

Right Head_ Slider on (Cheek Position)

Frequency	Channel	MHz	Conducted Output Power (Average)	Measured(W/kg) 1g	Amb. Temp[°C]	Liquid Temp[°C]
WCDMA B4	1312	1712.4	23.3dbm	0.654	22.1	21.7
	1412	1732.4	23.5dbm	0.695	22.1	21.7
	1513	1752.6	23.7dbm	0.763	22.1	21.7

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Left Head _ Slider on (Cheek Position)						
Frequency	Channel	MHz	Conducted Output Power (Average)	Measured(W/kg) 1g	Amb. Temp[° C]	Liquid Temp[° C]
WCDMA B4	1312	1712.4	23.3dbm	0.546	22.1	21.7
	1412	1732.4	23.5dbm	0.507	22.1	21.7
	1513	1752.6	23.7dbm	0.613	22.1	21.7
Right Head_ Slider on (15° Tilt Position)						
Frequency	Channel	MHz	Conducted Output Power (Average)	Measured(W/kg) 1g	Amb. Temp[° C]	Liquid Temp[° C]
WCDMA B4	1312	1712.4	23.3dbm	0.882	22.1	21.7
	1412	1732.4	23.5dbm	0.922	22.1	21.7
	1513	1752.6	23.7dbm	1.04	22.1	21.7
Left Head_ Slider on (15° Tilt Position)						
Frequency	Channel	MHz	Conducted Output Power (Average)	Measured(W/kg) 1g	Amb. Temp[° C]	Liquid Temp[° C]
WCDMA B4	1312	1712.4	23.3dbm	0.656	22.1	21.7
	1412	1732.4	23.5dbm	0.672	22.1	21.7
	1513	1752.6	23.7dbm	0.776	22.1	21.7
Left Head_ Slider off (15° Tilt Position)-repeated with Memory Card						
Frequency	Channel	MHz	Conducted Output Power (Average)	Measured(W/kg) 1g	Amb. Temp[° C]	Liquid Temp[° C]
WCDMA B4	1513	1752.6	23.7dbm	0.982	22.1	21.7
Left Head_ Slider off (15° Tilt Position)-repeated with Bluetooth active						
Frequency	Channel	MHz	Conducted Output Power (Average)	Measured(W/kg) 1g	Amb. Temp[° C]	Liquid Temp[° C]
WCDMA B4	1513	1752.6	23.7dbm	0.976	22.1	21.7
Left Head_ Slider off (15° Tilt Position)- repeated with WLAN802.11 b active						
Frequency	Channel	MHz	Conducted Output Power (Average)	Measured(W/kg) 1g	Amb. Temp[° C]	Liquid Temp[° C]
WCDMA B4	1513	1752.6	23.7dbm	1.11	22.1	21.7
Left Head_ Slider off (15° Tilt Position)- repeated with WLAN802.11 g active						
Frequency	Channel	MHz	Conducted Output Power (Average)	Measured(W/kg) 1g	Amb. Temp[° C]	Liquid Temp[° C]
WCDMA B4	1513	1752.6	23.7dbm	1.09	22.1	21.7
Left Head_ Slider off (15° Tilt Position)- repeated with WLAN802.11 b & Bluetooth active						

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Frequency	Channel	MHz	Conducted Output Power (Average)	Measured(W/kg) 1g	Amb. Temp[°C]	Liquid Temp[°C]
WCDMA B4	1513	1752.6	23.7dbm	1.05	22.1	21.7
Left Head_ Slider off (15° Tilt Position)- repeated with TWS Battery						
Frequency	Channel	MHz	Conducted Output Power (Average)	Measured(W/kg) 1g	Amb. Temp[°C]	Liquid Temp[°C]
WCDMA B4	1513	1752.6	23.7dbm	0.950	22.1	21.7
Body worn						
Frequency	Channel	MHz	Conducted Output Power (Average)	Measured(W/kg) 1g	Amb. Temp[°C]	Liquid Temp[°C]
WCDMA B4	1312	1712.4	23.3dbm	0.365	22.1	21.7
	1412	1732.4	23.5dbm	0.416	22.1	21.7
	1513	1752.6	23.7dbm	0.497	22.1	21.7

WLAN802.11 b

Body worn (testing in WLAN802.11 b mode)						
Frequency	Channel	MHz	Conducted Output Power (Average)	Measured(W/kg) 1g	Amb. Temp[°C]	Liquid Temp[°C]
WLAN802.11 b	1	2412	17.18dbm	0.092	22.1	21.7
	6	2437	17.26dbm	0.108	22.1	21.7
	11	2462	17.36dbm	0.14	22.1	21.7
Body worn- repeated for EUT back to phantom						
Frequency	Channel	MHz	Conducted Output Power (Average)	Measured(W/kg) 1g	Amb. Temp[°C]	Liquid Temp[°C]
WLAN802.11 b	11	2462	17.36dbm	0.069	22.1	21.7
Body worn- repeated with Memory Card						
Frequency	Channel	MHz	Conducted Output Power (Average)	Measured(W/kg) 1g	Amb. Temp[°C]	Liquid Temp[°C]
WLAN802.11 b	11	2462	17.36dbm	0.140	22.1	21.7
Body worn- repeated with Bluetooth active						
Frequency	Channel	MHz	Conducted Output Power (Average)	Measured(W/kg) 1g	Amb. Temp[°C]	Liquid Temp[°C]
WLAN802.11 b	11	2462	17.36dbm	0.118	22.1	21.7

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WLAN802.11 g

Body worn (testing in WLAN802.11 g mode)

Frequency	Channel	MHz	Conducted Output Power (Average)	Measured(W/kg) 1g	Amb. Temp[° C]	Liquid Temp[° C]
WLAN802.11 g	1	2412	12.36dbm	0.00637	22.1	21.7
	6	2437	12.39dbm	0.00824	22.1	21.7
	11	2462	12.41dbm	0.01	22.1	21.7

Note: SAR measurement results for the Mobile Phone at maximum output power.

Second solution measurement result (LCM & Camera changed)

GSM 850 MHZ

Right Head_ Slider off (Cheek Position)

Frequency	Channel	MHz	Conducted Output Power (Average)	Measured(W/kg) 1g	Amb. Temp[° C]	Liquid Temp[° C]
850 MHz	251	848.8	32.1dbm	0.259	22.1	21.7

Body worn (testing in GPRS mode)_repeated with Memory card

Frequency	Channel	MHz	Conducted Output Power (Average)	Measured(W/kg) 1g	Amb. Temp[° C]	Liquid Temp[° C]
850 MHz	251	848.8	32.1dbm	1.07	22.1	21.7

GSM 1900 MHZ

Left Head _ Slider off (15° Tilt Position)

Frequency	Channel	MHz	Conducted Output Power (Average)	Measured(W/kg) 1g	Amb. Temp[° C]	Liquid Temp[° C]
1900 MHz	661	1880	30.1dbm	0.577	22.1	21.7

Body worn (testing in GPRS mode)

Frequency	Channel	MHz	Conducted Output Power (Average)	Measured(W/kg) 1g	Amb. Temp[° C]	Liquid Temp[° C]
1900 MHz	512	1850.2	30.2dbm	0.807	22.1	21.7

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WCDMA Band 4

Left Head_ Slider off (15° Tilt Position)_repeated with WLAN802.11 b active						
Frequency	Channel	MHz	Conducted Output Power (Average)	Measured(W/kg) 1g	Amb. Temp[°C]	Liquid Temp[°C]
WCDMA B4	1513	1752.6	23.5dbm	0.908	22.1	21.7
Body worn						
Frequency	Channel	MHz	Conducted Output Power (Average)	Measured(W/kg) 1g	Amb. Temp[°C]	Liquid Temp[°C]
WCDMA B4	1513	1752.6	23.5dbm	0.582	22.1	21.7

WLAN802.11 b

Body worn (testing in WLAN802.11 b mode)_repeated with Bluetooth active						
Frequency	Channel	MHz	Conducted Output Power (Average)	Measured(W/kg) 1g	Amb. Temp[°C]	Liquid Temp[°C]
WLAN802.11 b	11	2462	17.21dbm	0.1	22.1	21.7

WLAN802.11 g

Body worn (testing in WLAN802.11 b mode)_repeated with Bluetooth active						
Frequency	Channel	MHz	Conducted Output Power (Average)	Measured(W/kg) 1g	Amb. Temp[°C]	Liquid Temp[°C]
WLAN802.11 g	11	2462	12.55dbm	0.011	22.1	21.7

Note: SAR measurement results for the Mobile Phone at maximum output power.

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3. Instruments List

Manufacturer	Device	Type	Serial number	Date of last calibration
Schmid & Partner Engineering AG	Dosimetric E-FieldProbe	EX3DV3	3526	Aug.29.2007
Schmid & Partner Engineering AG	900/1800/1900/2450MHz System Validation Dipole	D900V2 D1800V2 D1900V2 D2450V2	178 2d061 5d027 727	Apr.16.2008 Apr.15.2008 Apr.15.2008 Apr.11.2008
Schmid & Partner Engineering AG	Data acquisition Electronics	DAE4	547	Jan.24.2008
Schmid & Partner Engineering AG	Software	DASY 4 V4.7 Build 55	N/A	Calibration isn't necessary
Schmid & Partner Engineering AG	Phantom	SAM	N/A	Calibration isn't necessary
Agilent	Network Analyzer	8753D	3410A05547	Nov.14.2007
Agilent	Dielectric Probe Kit	85070D	US01440168	Calibration isn't necessary
Agilent	Dual-directional coupler	778D 777D	50313 50114	Aug.21.2007 Aug.21.2007
Agilent	RF Signal Generator	E4438c	MY45093613	May.21.2008
Agilent	Power Sensor	8481H	MY41091361	May.20.2008
R&S	Radio Communication Test	CMU200	113508	Aug.24.2007

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4. Measurements

Date/Time: 2008/5/25 03:46:22

RE Cheek_CH128_slider off

DUT: DREA100; IMEI:358279010024279

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

Medium: Head 850 MHz Medium parameters used (interpolated): $f = 824.2 \text{ MHz}$; $\sigma = 0.901 \text{ mho/m}$; $\epsilon_r = 39.9$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3526; ConvF(11.48, 11.48, 11.48); Calibrated: 2007/8/29
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2008/1/24
- Phantom: SAM2; Type: SAM 4.0; Serial: TP:1270
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

RE_Cheek/Area Scan (51x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 0.154 mW/g

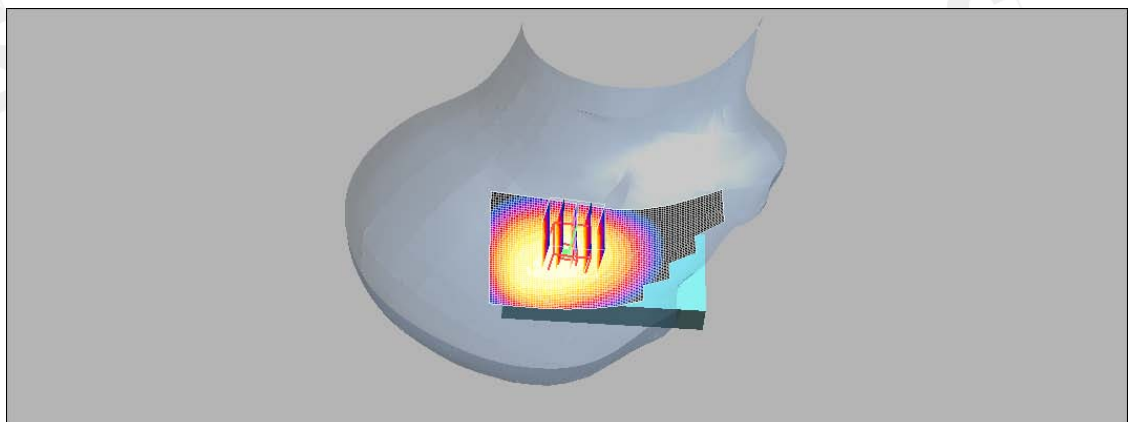
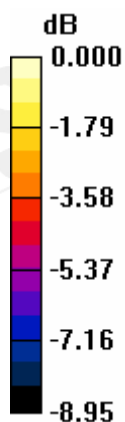
RE_Cheek/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 11.1 V/m; Power Drift = -0.071 dB

Peak SAR (extrapolated) = 0.187 W/kg

SAR(1 g) = 0.145 mW/g; SAR(10 g) = 0.107 mW/g

Maximum value of SAR (measured) = 0.153 mW/g



0 dB = 0.153mW/g

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RE Cheek_CH190_slider off

DUT: DREA100; IMEI:358279010024279

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

Medium: Head 850 MHz Medium parameters used: $f = 837 \text{ MHz}$; $\sigma = 0.929 \text{ mho/m}$; $\epsilon_r = 39.8$;
 $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3526; ConvF(11.48, 11.48, 11.48); Calibrated: 2007/8/29
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2008/1/24
- Phantom: SAM2; Type: SAM 4.0; Serial: TP:1270
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

RE_Cheek/Area Scan (51x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
 Maximum value of SAR (interpolated) = 0.212 mW/g

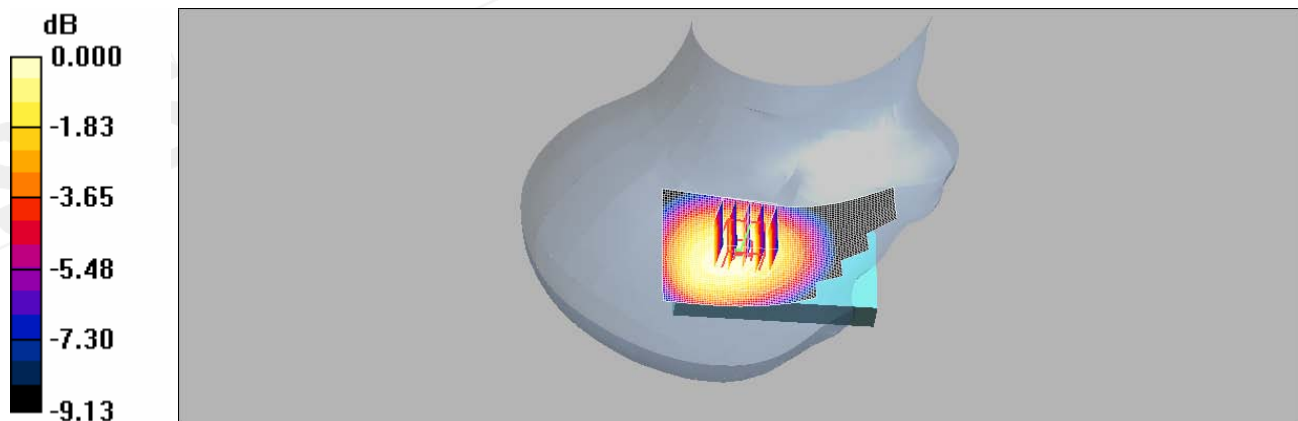
RE_Cheek/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$,
 $dz=5\text{mm}$

Reference Value = 12.6 V/m; Power Drift = 0.017 dB

Peak SAR (extrapolated) = 0.257 W/kg

SAR(1 g) = 0.201 mW/g; SAR(10 g) = 0.149 mW/g

Maximum value of SAR (measured) = 0.213 mW/g



0 dB = 0.213mW/g

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RE Cheek_CH1251_slider off

DUT: DREA100; IMEI:358279010024279

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

Medium: Head 850 MHz Medium parameters used: $f = 849 \text{ MHz}$; $\sigma = 0.933 \text{ mho/m}$; $\epsilon_r = 39.7$;
 $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3526; ConvF(11.48, 11.48, 11.48); Calibrated: 2007/8/29
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2008/1/24
- Phantom: SAM2; Type: SAM 4.0; Serial: TP:1270
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

RE_Cheek/Area Scan (51x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
 Maximum value of SAR (interpolated) = 0.284 mW/g

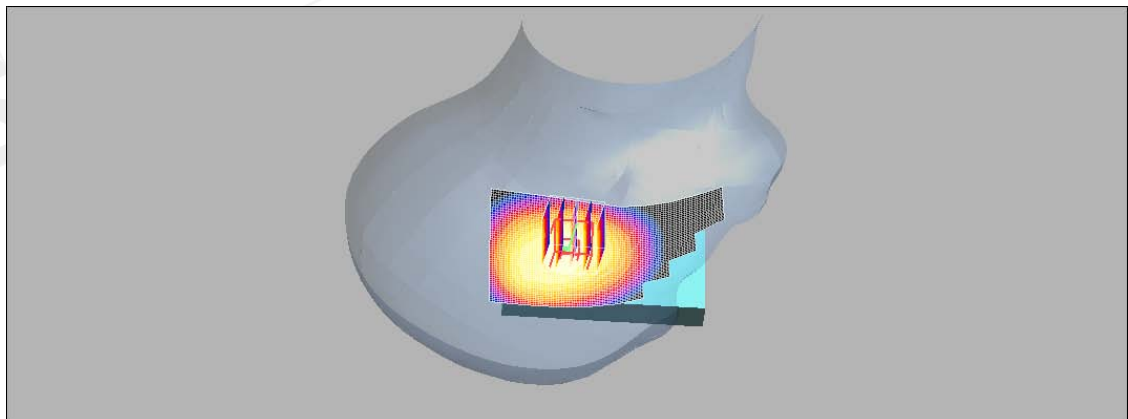
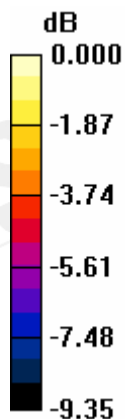
RE_Cheek/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$,
 $dz=5\text{mm}$

Reference Value = 14.3 V/m; Power Drift = 0.030 dB

Peak SAR (extrapolated) = 0.337 W/kg

SAR(1 g) = 0.267 mW/g; SAR(10 g) = 0.197 mW/g

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



0 dB = 0.282mW/g

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LE Cheek_CH128_slider off

DUT: DREA100; IMEI:358279010024279

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

Medium: Head 850 MHz Medium parameters used (interpolated): $f = 824.2 \text{ MHz}$; $\sigma = 0.901 \text{ mho/m}$; $\epsilon_r = 39.9$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3526; ConvF(11.48, 11.48, 11.48); Calibrated: 2007/8/29
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2008/1/24
- Phantom: SAM2; Type: SAM 4.0; Serial: TP:1270
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

LE_Cheek/Area Scan (51x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
 Maximum value of SAR (interpolated) = 0.153 mW/g

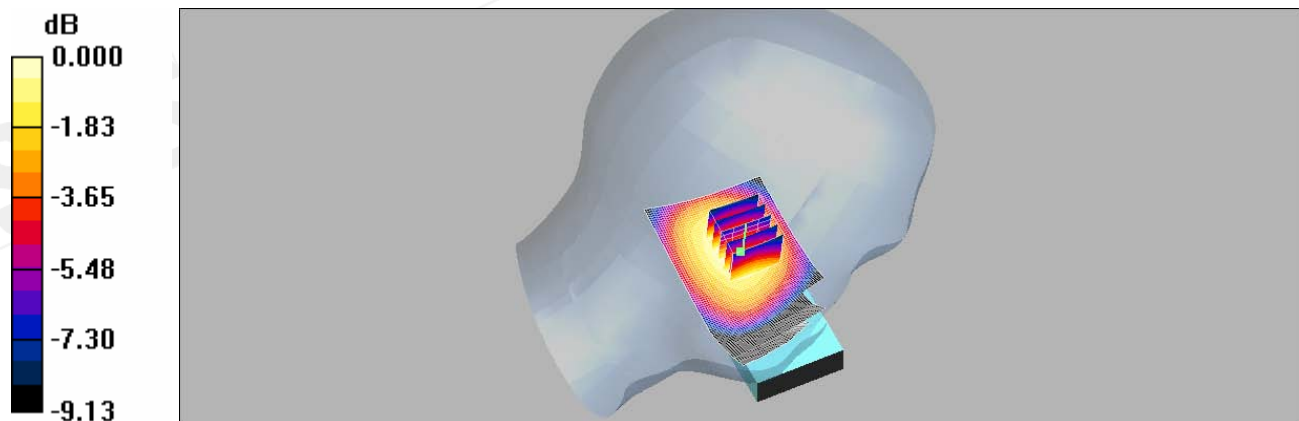
LE_Cheek/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$,
 $dz=5\text{mm}$

Reference Value = 11.2 V/m; Power Drift = -0.195 dB

Peak SAR (extrapolated) = 0.185 W/kg

SAR(1 g) = 0.145 mW/g; SAR(10 g) = 0.108 mW/g

Maximum value of SAR (measured) = 0.154 mW/g



0 dB = 0.154mW/g

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LE Cheek_CH190_slider off

DUT: DREA100; IMEI:358279010024279

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

Medium: Head 850 MHz Medium parameters used: $f = 837 \text{ MHz}$; $\sigma = 0.929 \text{ mho/m}$; $\epsilon_r = 39.8$;
 $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3526; ConvF(11.48, 11.48, 11.48); Calibrated: 2007/8/29
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2008/1/24
- Phantom: SAM2; Type: SAM 4.0; Serial: TP:1270
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

LE_Cheek/Area Scan (51x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
 Maximum value of SAR (interpolated) = 0.217 mW/g

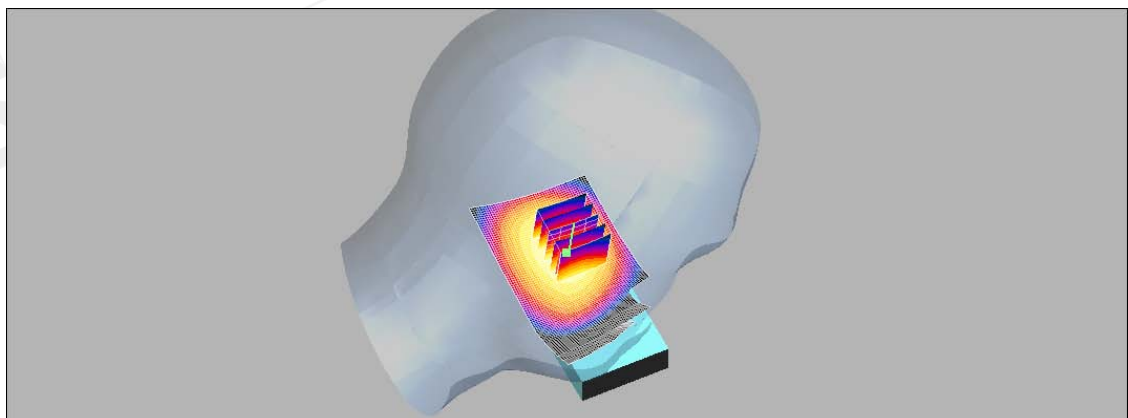
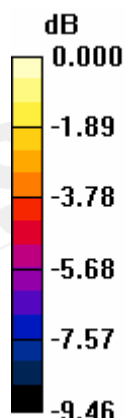
LE_Cheek/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$,
 $dz=5\text{mm}$

Reference Value = 12.7 V/m; Power Drift = -0.157 dB

Peak SAR (extrapolated) = 0.258 W/kg

SAR(1 g) = 0.204 mW/g; SAR(10 g) = 0.151 mW/g

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



0 dB = 0.215mW/g

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LE Cheek_CH251_slider off

DUT: DREA100; IMEI:358279010024279

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

Medium: Head 850 MHz Medium parameters used: $f = 849 \text{ MHz}$; $\sigma = 0.933 \text{ mho/m}$; $\epsilon_r = 39.7$;
 $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3526; ConvF(11.48, 11.48, 11.48); Calibrated: 2007/8/29
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2008/1/24
- Phantom: SAM2; Type: SAM 4.0; Serial: TP:1270
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

LE_Cheek/Area Scan (51x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
 Maximum value of SAR (interpolated) = 0.270 mW/g

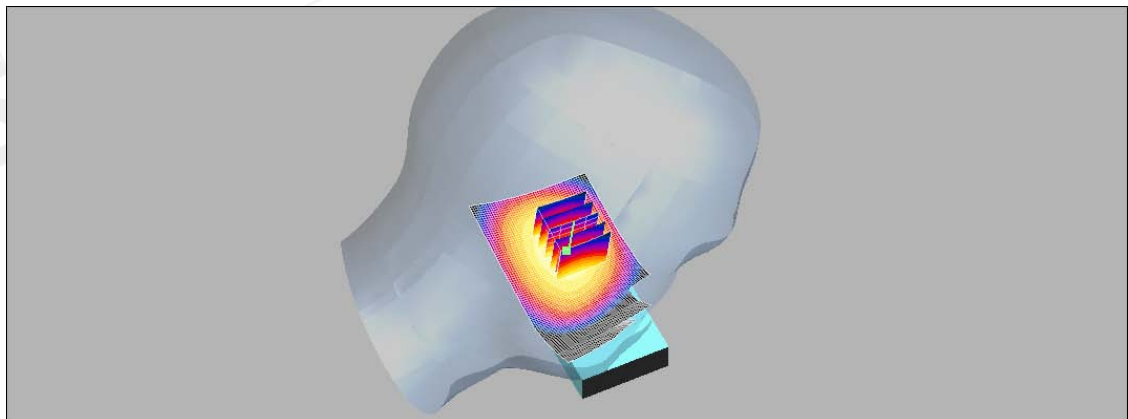
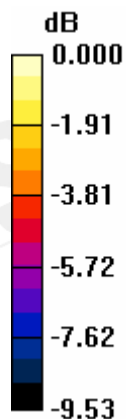
LE_Cheek/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$,
 $dz=5\text{mm}$

Reference Value = 14.2 V/m; Power Drift = 0.030 dB

Peak SAR (extrapolated) = 0.330 W/kg

SAR(1 g) = 0.259 mW/g; SAR(10 g) = 0.191 mW/g

Maximum value of SAR (measured) = 0.273 mW/g



0 dB = 0.273mW/g

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RE Tilt_CH128_slider off

DUT: DREA100; IMEI:358279010024279

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

Medium: Head 850 MHz Medium parameters used (interpolated): $f = 824.2 \text{ MHz}$; $\sigma = 0.901 \text{ mho/m}$; $\epsilon_r = 39.9$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3526; ConvF(11.48, 11.48, 11.48); Calibrated: 2007/8/29
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2008/1/24
- Phantom: SAM2; Type: SAM 4.0; Serial: TP:1270
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

RE_Tilt/Area Scan (51x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
 Maximum value of SAR (interpolated) = 0.131 mW/g

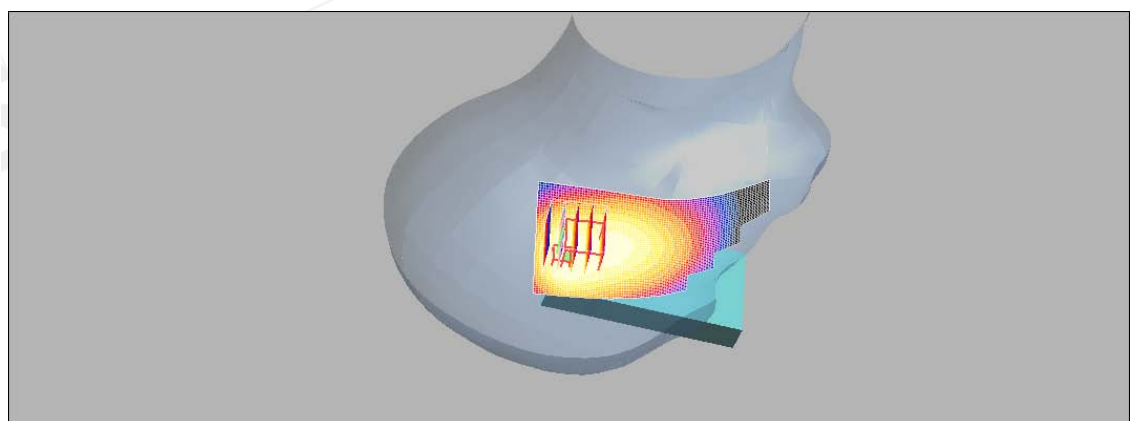
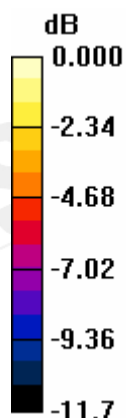
RE_Tilt/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$,
 $dz=5\text{mm}$

Reference Value = 11.1 V/m; Power Drift = 0.051 dB

Peak SAR (extrapolated) = 0.179 W/kg

SAR(1 g) = 0.117 mW/g; SAR(10 g) = 0.084 mW/g

Maximum value of SAR (measured) = 0.124 mW/g



0 dB = 0.124mW/g

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RE Tilt_CH190_slider off

DUT: DREA100; IMEI:358279010024279

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

Medium: Head 850 MHz Medium parameters used: $f = 837 \text{ MHz}$; $\sigma = 0.929 \text{ mho/m}$; $\epsilon_r = 39.8$;
 $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3526; ConvF(11.48, 11.48, 11.48); Calibrated: 2007/8/29
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2008/1/24
- Phantom: SAM2; Type: SAM 4.0; Serial: TP:1270
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

RE_Tilt/Area Scan (51x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
 Maximum value of SAR (interpolated) = 0.167 mW/g

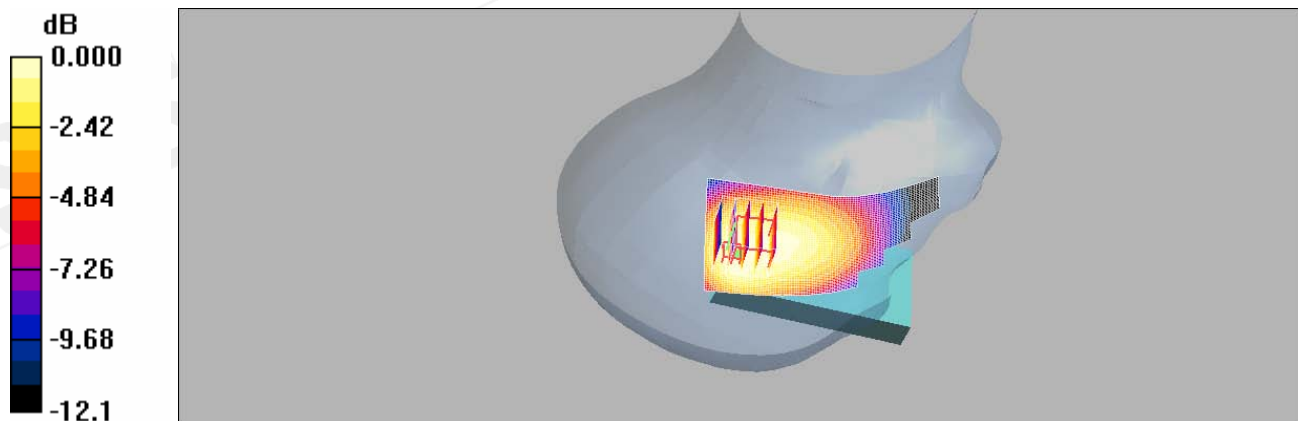
RE_Tilt/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$,
 $dz=5\text{mm}$

Reference Value = 12.5 V/m; Power Drift = 0.037 dB

Peak SAR (extrapolated) = 0.234 W/kg

SAR(1 g) = 0.153 mW/g; SAR(10 g) = 0.109 mW/g

Maximum value of SAR (measured) = 0.166 mW/g



0 dB = 0.166mW/g

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RE Tilt_CH1251_slider off

DUT: DREA100; IMEI:358279010024279

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

Medium: Head 850 MHz Medium parameters used: $f = 849 \text{ MHz}$; $\sigma = 0.933 \text{ mho/m}$; $\epsilon_r = 39.7$;
 $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3526; ConvF(11.48, 11.48, 11.48); Calibrated: 2007/8/29
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2008/1/24
- Phantom: SAM2; Type: SAM 4.0; Serial: TP:1270
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

RE_Tilt/Area Scan (51x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
 Maximum value of SAR (interpolated) = 0.205 mW/g

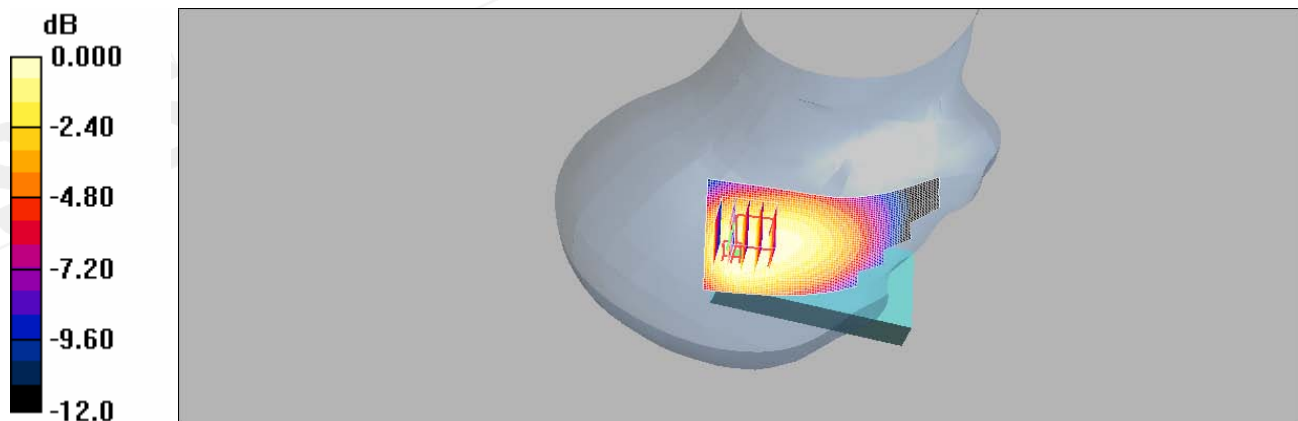
RE_Tilt/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$,
 $dz=5\text{mm}$

Reference Value = 13.7 V/m; Power Drift = 0.143 dB

Peak SAR (extrapolated) = 0.283 W/kg

SAR(1 g) = 0.186 mW/g; SAR(10 g) = 0.135 mW/g

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



0 dB = 0.202mW/g

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LE Tilt_CH128_slider off

DUT: DREA100; IMEI:358279010024279

Communication System: GSM 850; Frequency: 824.2 MHz; Duty Cycle: 1:8.3
 Medium: Head 850 MHz Medium parameters used (interpolated): $f = 824.2 \text{ MHz}$; $\sigma = 0.901 \text{ mho/m}$; $\epsilon_r = 39.9$; $\rho = 1000 \text{ kg/m}^3$
 Phantom section: Left Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3526; ConvF(11.48, 11.48, 11.48); Calibrated: 2007/8/29
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2008/1/24
- Phantom: SAM2; Type: SAM 4.0; Serial: TP:1270
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

LE_Tilt/Area Scan (51x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
 Maximum value of SAR (interpolated) = 0.114 mW/g

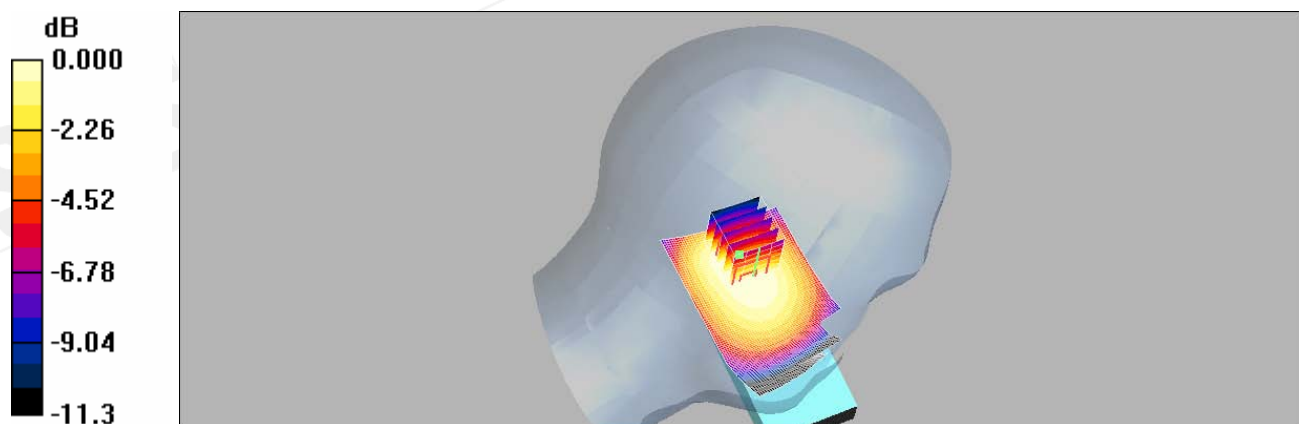
LE_Tilt/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$,
 $dz=5\text{mm}$

Reference Value = 10.7 V/m; Power Drift = 0.062 dB

Peak SAR (extrapolated) = 0.133 W/kg

SAR(1 g) = 0.105 mW/g; SAR(10 g) = 0.079 mW/g

Maximum value of SAR (measured) = 0.110 mW/g



0 dB = 0.110mW/g

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LE Tilt_CH190_slider off

DUT: DREA100; IMEI:358279010024279

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

Medium: Head 850 MHz Medium parameters used: $f = 837 \text{ MHz}$; $\sigma = 0.929 \text{ mho/m}$; $\epsilon_r = 39.8$;
 $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3526; ConvF(11.48, 11.48, 11.48); Calibrated: 2007/8/29
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2008/1/24
- Phantom: SAM2; Type: SAM 4.0; Serial: TP:1270
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

LE_Tilt/Area Scan (51x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
 Maximum value of SAR (interpolated) = 0.155 mW/g

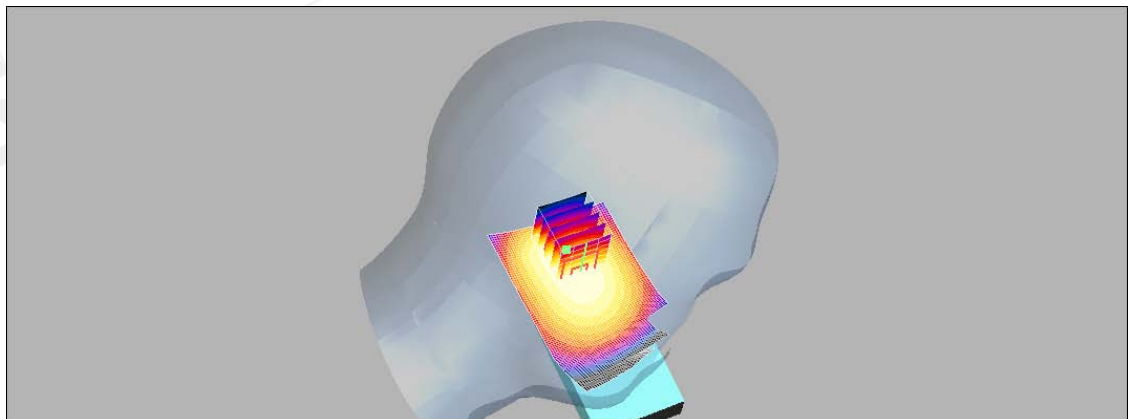
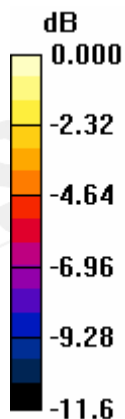
LE_Tilt/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$,
 $dz=5\text{mm}$

Reference Value = 12.3 V/m; Power Drift = 0.016 dB

Peak SAR (extrapolated) = 0.185 W/kg

SAR(1 g) = 0.144 mW/g; SAR(10 g) = 0.107 mW/g

Maximum value of SAR (measured) = 0.154 mW/g



0 dB = 0.154mW/g

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LE Tilt_CH251_slider off

DUT: DREA100; IMEI:358279010024279

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

Medium: Head 850 MHz Medium parameters used: $f = 849 \text{ MHz}$; $\sigma = 0.933 \text{ mho/m}$; $\epsilon_r = 39.7$;
 $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3526; ConvF(11.48, 11.48, 11.48); Calibrated: 2007/8/29
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2008/1/24
- Phantom: SAM2; Type: SAM 4.0; Serial: TP:1270
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

LE_Tilt/Area Scan (51x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
 Maximum value of SAR (interpolated) = 0.183 mW/g

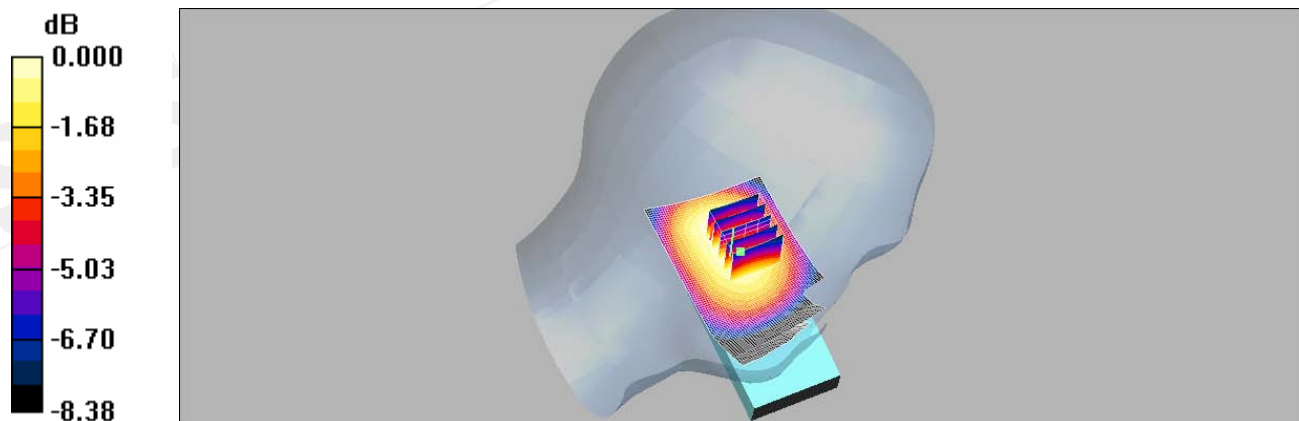
LE_Tilt/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$,
 $dz=5\text{mm}$

Reference Value = 13.6 V/m; Power Drift = 0.072 dB

Peak SAR (extrapolated) = 0.232 W/kg

SAR(1 g) = 0.178 mW/g; SAR(10 g) = 0.134 mW/g

Maximum value of SAR (measured) = 0.184 mW/g



0 dB = 0.184mW/g

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RE Cheek_CH128_slider on

DUT: DREA100; IMEI:358279010024279

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

Medium: Head 850 MHz Medium parameters used (interpolated): $f = 824.2 \text{ MHz}$; $\sigma = 0.901 \text{ mho/m}$; $\epsilon_r = 39.9$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3526; ConvF(11.48, 11.48, 11.48); Calibrated: 2007/8/29
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2008/1/24
- Phantom: SAM2; Type: SAM 4.0; Serial: TP:1270
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

RE_Cheek/Area Scan (71x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
 Maximum value of SAR (interpolated) = 0.146 mW/g

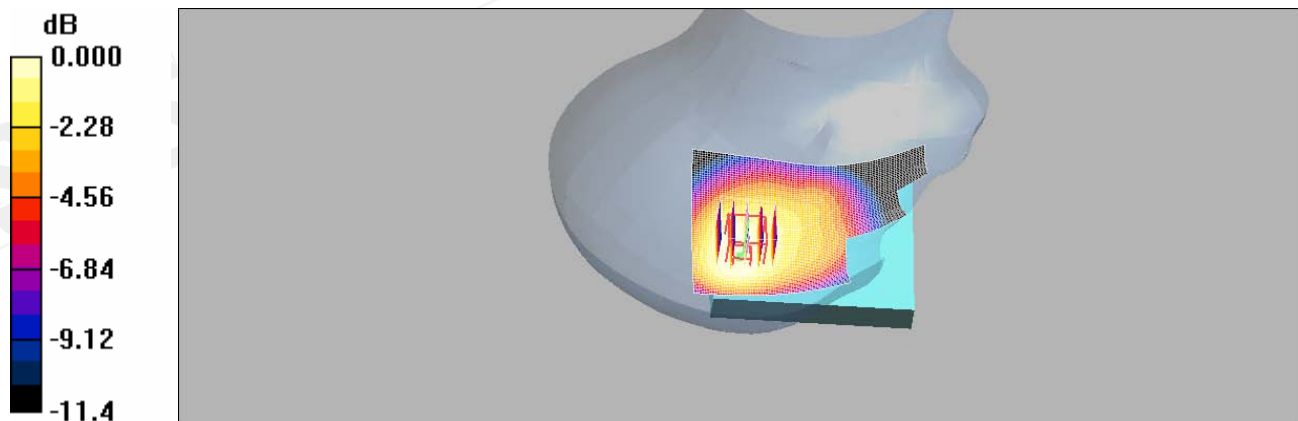
RE_Cheek/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 7.97 V/m; Power Drift = -0.178 dB

Peak SAR (extrapolated) = 0.194 W/kg

SAR(1 g) = 0.133 mW/g; SAR(10 g) = 0.095 mW/g

Maximum value of SAR (measured) = 0.141 mW/g



0 dB = 0.141mW/g

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RE Cheek_CH190_slider on

DUT: DREA100; IMEI:358279010024279

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

Medium: Head 850 MHz Medium parameters used: $f = 837 \text{ MHz}$; $\sigma = 0.929 \text{ mho/m}$; $\epsilon_r = 39.8$;
 $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3526; ConvF(11.48, 11.48, 11.48); Calibrated: 2007/8/29
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2008/1/24
- Phantom: SAM2; Type: SAM 4.0; Serial: TP:1270
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

RE_Cheek/Area Scan (71x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
 Maximum value of SAR (interpolated) = 0.190 mW/g

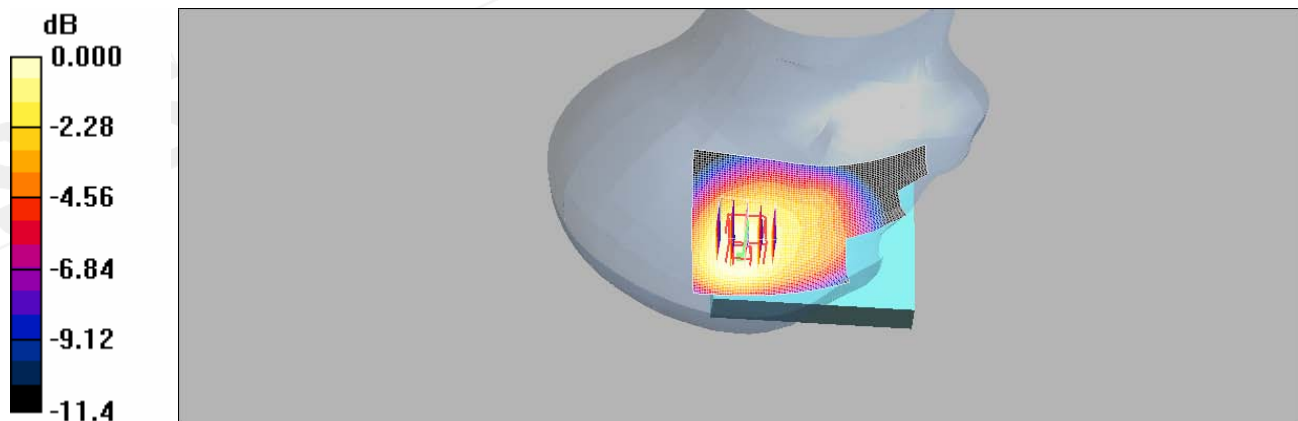
RE_Cheek/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$,
 $dz=5\text{mm}$

Reference Value = 8.69 V/m; Power Drift = 0.045 dB

Peak SAR (extrapolated) = 0.256 W/kg

SAR(1 g) = 0.175 mW/g; SAR(10 g) = 0.124 mW/g

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



0 dB = 0.185mW/g

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RE Cheek_CH251_slider on

DUT: DREA100; IMEI:358279010024279

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

Medium: Head 850 MHz Medium parameters used: $f = 849 \text{ MHz}$; $\sigma = 0.933 \text{ mho/m}$; $\epsilon_r = 39.7$;
 $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3526; ConvF(11.48, 11.48, 11.48); Calibrated: 2007/8/29
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2008/1/24
- Phantom: SAM2; Type: SAM 4.0; Serial: TP:1270
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

RE_Cheek/Area Scan (71x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
 Maximum value of SAR (interpolated) = 0.245 mW/g

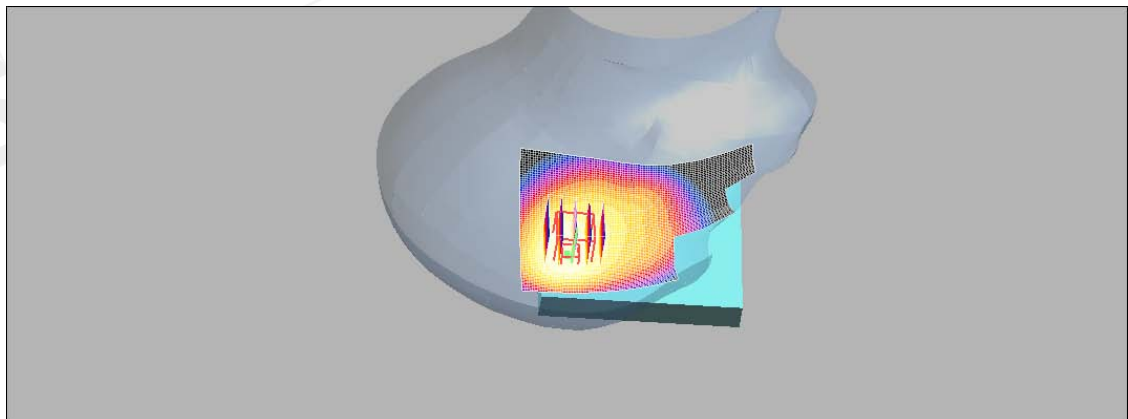
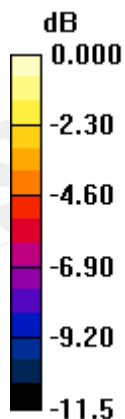
RE_Cheek/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$,
 $dz=5\text{mm}$

Reference Value = 9.75 V/m; Power Drift = 0.004 dB

Peak SAR (extrapolated) = 0.335 W/kg

SAR(1 g) = 0.228 mW/g; SAR(10 g) = 0.161 mW/g

Maximum value of SAR (measured) = 0.242 mW/g



0 dB = 0.242mW/g

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LE Cheek_CH128_slider on

DUT: DREA100; IMEI:358279010024279

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

Medium: Head 850 MHz Medium parameters used (interpolated): $f = 824.2 \text{ MHz}$; $\sigma = 0.901 \text{ mho/m}$; $\epsilon_r = 39.9$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3526; ConvF(11.48, 11.48, 11.48); Calibrated: 2007/8/29
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2008/1/24
- Phantom: SAM2; Type: SAM 4.0; Serial: TP:1270
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

LE_Cheek/Area Scan (71x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
 Maximum value of SAR (interpolated) = 0.107 mW/g

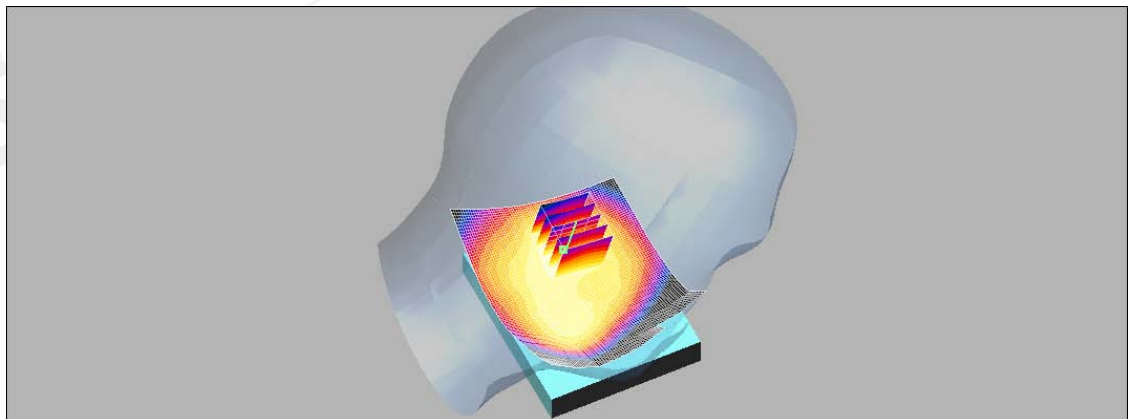
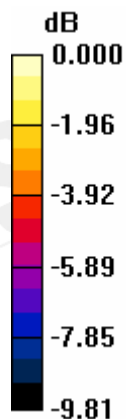
LE_Cheek/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$,
 $dz=5\text{mm}$

Reference Value = 8.48 V/m; Power Drift = -0.191 dB

Peak SAR (extrapolated) = 0.128 W/kg

SAR(1 g) = 0.102 mW/g; SAR(10 g) = 0.077 mW/g

Maximum value of SAR (measured) = 0.107 mW/g



0 dB = 0.107mW/g

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LE Cheek_CH190_slider on

DUT: DREA100; IMEI:358279010024279

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

Medium: Head 850 MHz Medium parameters used: $f = 837 \text{ MHz}$; $\sigma = 0.929 \text{ mho/m}$; $\epsilon_r = 39.8$;
 $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3526; ConvF(11.48, 11.48, 11.48); Calibrated: 2007/8/29
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2008/1/24
- Phantom: SAM2; Type: SAM 4.0; Serial: TP:1270
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

LE_Cheek/Area Scan (71x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
 Maximum value of SAR (interpolated) = 0.138 mW/g

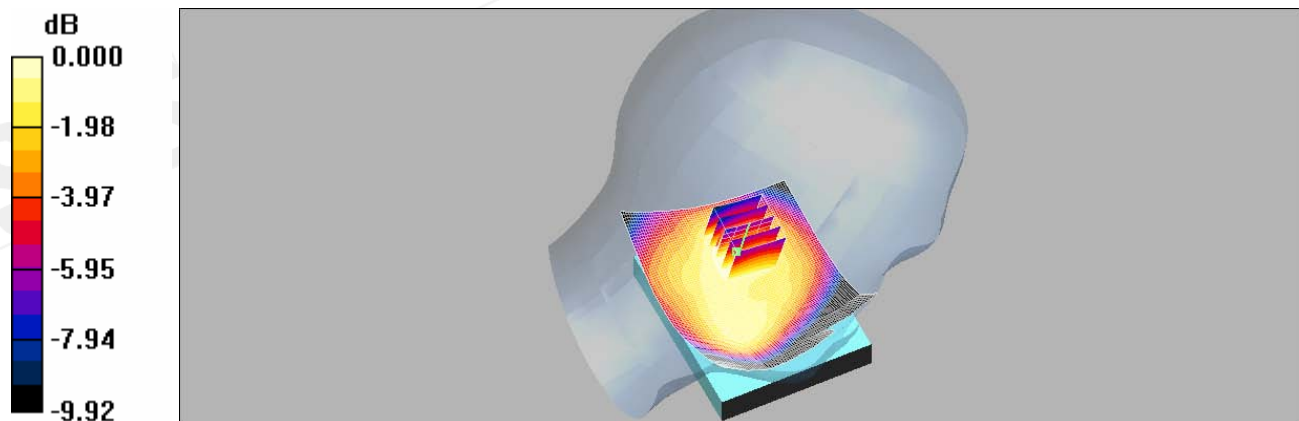
LE_Cheek/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$,
 $dz=5\text{mm}$

Reference Value = 9.13 V/m; Power Drift = -0.032 dB

Peak SAR (extrapolated) = 0.167 W/kg

SAR(1 g) = 0.132 mW/g; SAR(10 g) = 0.100 mW/g

Maximum value of SAR (measured) = 0.139 mW/g



0 dB = 0.139mW/g

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LE Cheek_CH251_slider on

DUT: DREA100; IMEI:358279010024279

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

Medium: Head 850 MHz Medium parameters used: $f = 849 \text{ MHz}$; $\sigma = 0.933 \text{ mho/m}$; $\epsilon_r = 39.7$;
 $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3526; ConvF(11.48, 11.48, 11.48); Calibrated: 2007/8/29
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2008/1/24
- Phantom: SAM2; Type: SAM 4.0; Serial: TP:1270
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

LE_Cheek/Area Scan (71x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
 Maximum value of SAR (interpolated) = 0.177 mW/g

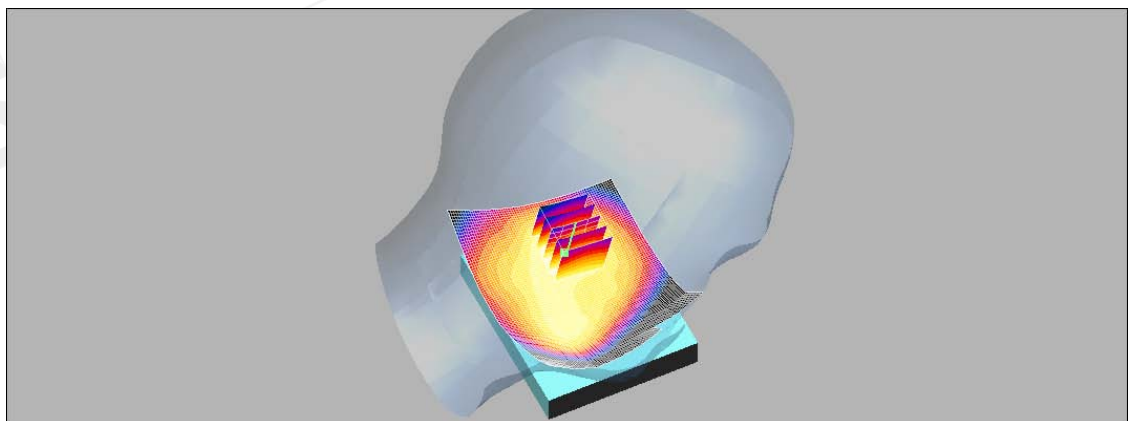
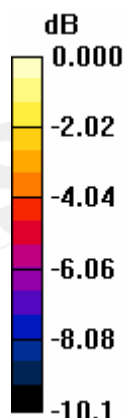
LE_Cheek/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$,
 $dz=5\text{mm}$

Reference Value = 10.2 V/m; Power Drift = 0.009 dB

Peak SAR (extrapolated) = 0.213 W/kg

SAR(1 g) = 0.170 mW/g; SAR(10 g) = 0.129 mW/g

Maximum value of SAR (measured) = 0.179 mW/g



0 dB = 0.179mW/g

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RE Tilt_CH128_slider on

DUT: DREA100; IMEI:358279010024279

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

Medium: Head 850 MHz Medium parameters used (interpolated): $f = 824.2 \text{ MHz}$; $\sigma = 0.901 \text{ mho/m}$; $\epsilon_r = 39.9$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3526; ConvF(11.48, 11.48, 11.48); Calibrated: 2007/8/29
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2008/1/24
- Phantom: SAM2; Type: SAM 4.0; Serial: TP:1270
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

RE_Tilt/Area Scan (71x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
 Maximum value of SAR (interpolated) = 0.169 mW/g

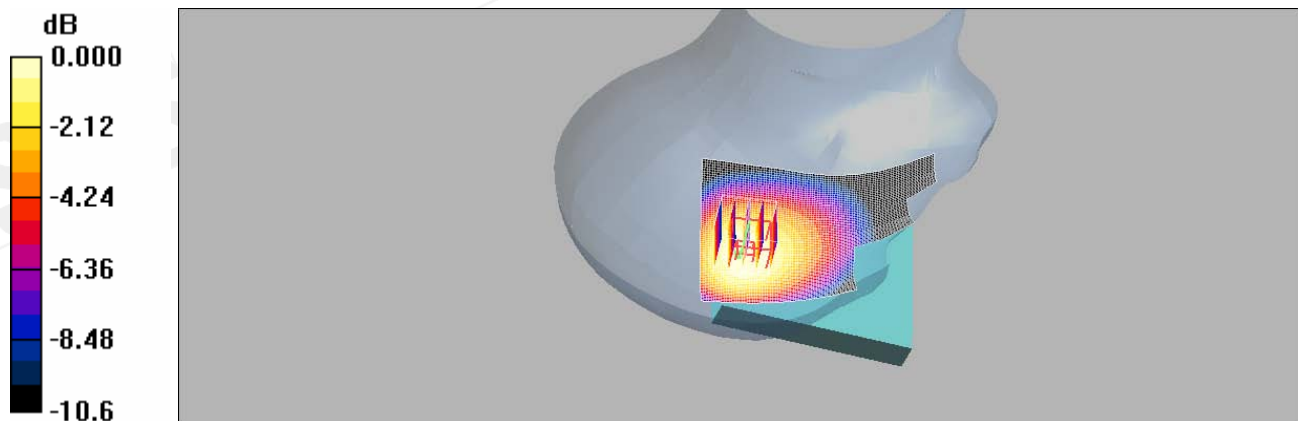
RE_Tilt/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$,
 $dz=5\text{mm}$

Reference Value = 8.72 V/m; Power Drift = -0.052 dB

Peak SAR (extrapolated) = 0.212 W/kg

SAR(1 g) = 0.157 mW/g; SAR(10 g) = 0.113 mW/g

Maximum value of SAR (measured) = 0.165 mW/g



0 dB = 0.165mW/g

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RE Tilt_CH190_slider on

DUT: DREA100; IMEI:358279010024279

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

Medium: Head 850 MHz Medium parameters used: $f = 837 \text{ MHz}$; $\sigma = 0.929 \text{ mho/m}$; $\epsilon_r = 39.8$;
 $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3526; ConvF(11.48, 11.48, 11.48); Calibrated: 2007/8/29
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2008/1/24
- Phantom: SAM2; Type: SAM 4.0; Serial: TP:1270
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

RE_Tilt/Area Scan (71x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
 Maximum value of SAR (interpolated) = 0.212 mW/g

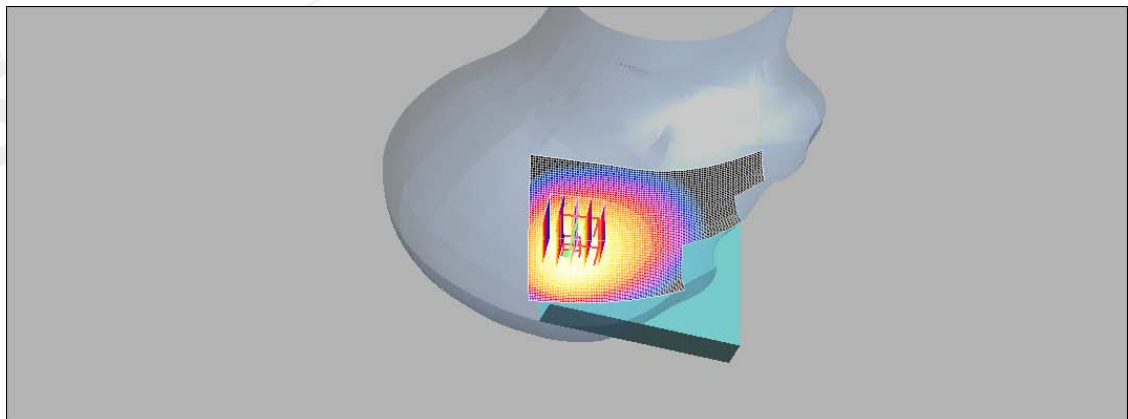
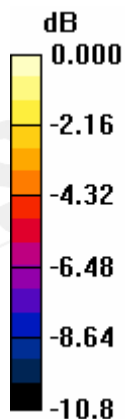
RE_Tilt/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$,
 $dz=5\text{mm}$

Reference Value = 9.69 V/m; Power Drift = -0.076 dB

Peak SAR (extrapolated) = 0.270 W/kg

SAR(1 g) = 0.198 mW/g; SAR(10 g) = 0.142 mW/g

Maximum value of SAR (measured) = 0.208 mW/g



0 dB = 0.208mW/g

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RE Tilt_CH251_slider on

DUT: DREA100; IMEI:358279010024279

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

Medium: Head 850 MHz Medium parameters used: $f = 849 \text{ MHz}$; $\sigma = 0.933 \text{ mho/m}$; $\epsilon_r = 39.7$;
 $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3526; ConvF(11.48, 11.48, 11.48); Calibrated: 2007/8/29
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2008/1/24
- Phantom: SAM2; Type: SAM 4.0; Serial: TP:1270
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

RE_Tilt/Area Scan (71x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
 Maximum value of SAR (interpolated) = 0.255 mW/g

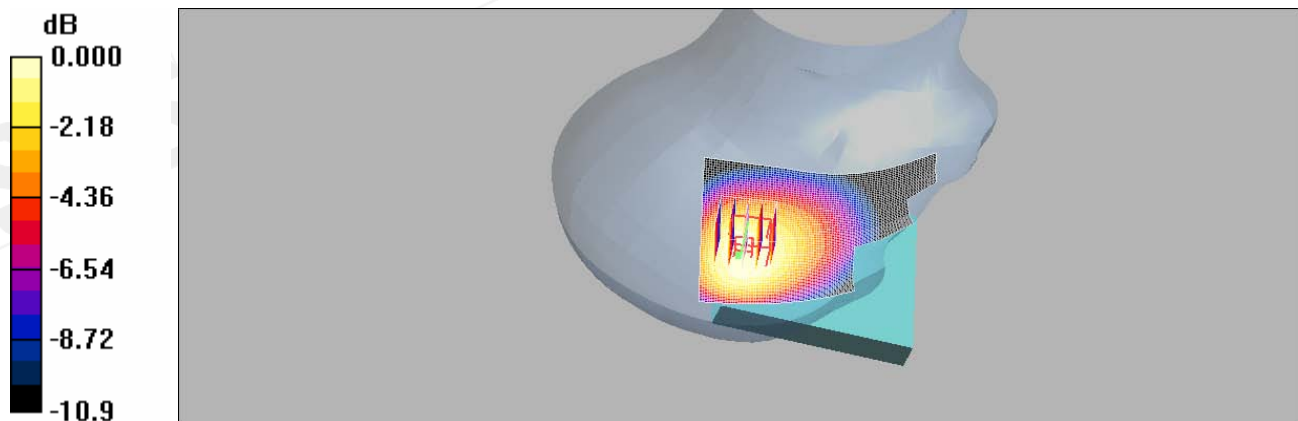
RE_Tilt/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$,
 $dz=5\text{mm}$

Reference Value = 10.5 V/m; Power Drift = 0.024 dB

Peak SAR (extrapolated) = 0.324 W/kg

SAR(1 g) = 0.237 mW/g; SAR(10 g) = 0.171 mW/g

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



0 dB = 0.248mW/g

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LE Tilt_CH128_slider on

DUT: DREA100; IMEI:358279010024279

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

Medium: Head 850 MHz Medium parameters used (interpolated): $f = 824.2 \text{ MHz}$; $\sigma = 0.901 \text{ mho/m}$; $\epsilon_r = 39.9$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3526; ConvF(11.48, 11.48, 11.48); Calibrated: 2007/8/29
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2008/1/24
- Phantom: SAM2; Type: SAM 4.0; Serial: TP:1270
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

LE_Tilt/Area Scan (71x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
 Maximum value of SAR (interpolated) = 0.108 mW/g

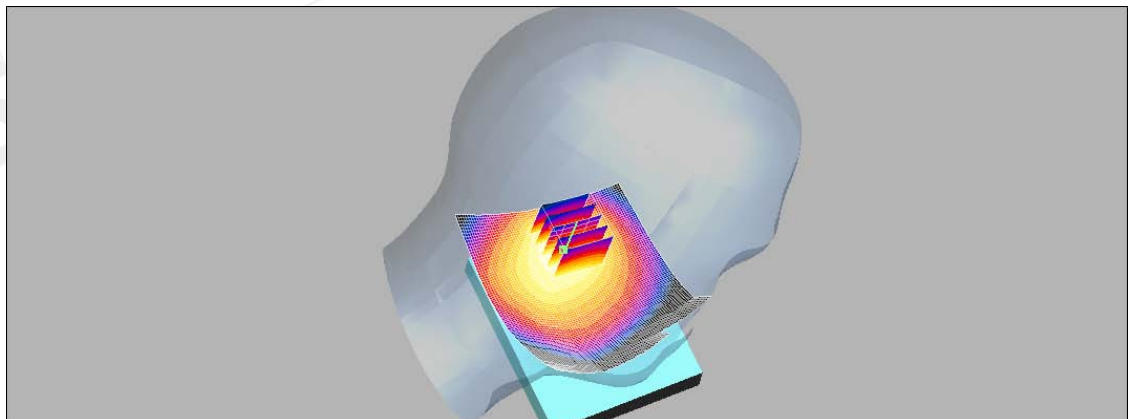
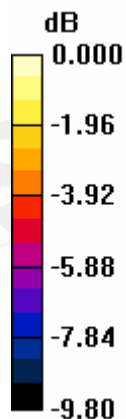
LE_Tilt/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$,
 $dz=5\text{mm}$

Reference Value = 8.55 V/m; Power Drift = -0.023 dB

Peak SAR (extrapolated) = 0.130 W/kg

SAR(1 g) = 0.102 mW/g; SAR(10 g) = 0.075 mW/g

Maximum value of SAR (measured) = 0.107 mW/g



0 dB = 0.107mW/g

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LE Tilt_CH190_slider on

DUT: DREA100; IMEI:358279010024279

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

Medium: Head 850 MHz Medium parameters used: $f = 837 \text{ MHz}$; $\sigma = 0.929 \text{ mho/m}$; $\epsilon_r = 39.8$;
 $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3526; ConvF(11.48, 11.48, 11.48); Calibrated: 2007/8/29
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2008/1/24
- Phantom: SAM2; Type: SAM 4.0; Serial: TP:1270
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

LE_Tilt/Area Scan (71x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
 Maximum value of SAR (interpolated) = 0.131 mW/g

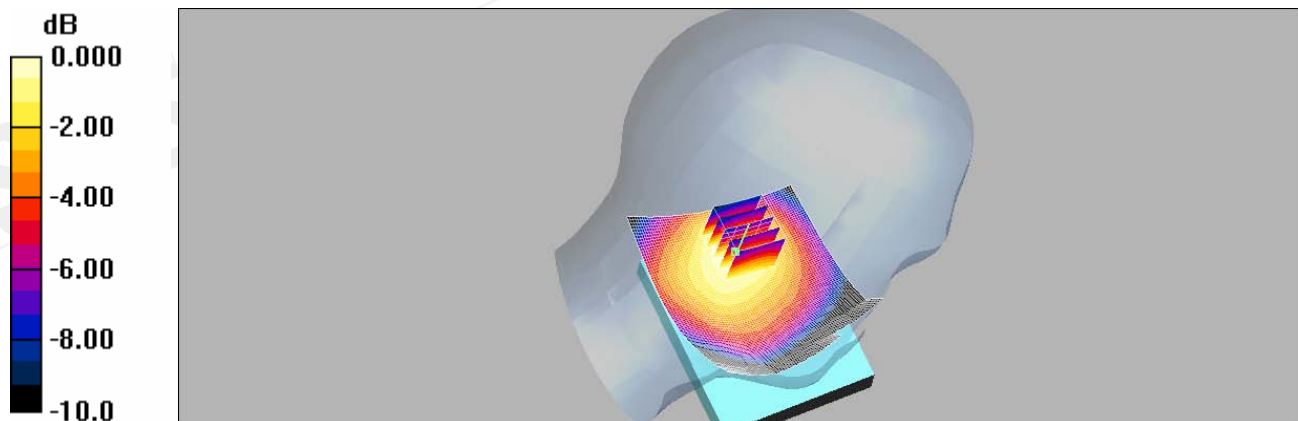
LE_Tilt/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$,
 $dz=5\text{mm}$

Reference Value = 9.27 V/m; Power Drift = -0.074 dB

Peak SAR (extrapolated) = 0.159 W/kg

SAR(1 g) = 0.123 mW/g; SAR(10 g) = 0.091 mW/g

Maximum value of SAR (measured) = 0.130 mW/g



0 dB = 0.130mW/g

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LE Tilt_CH251_slider on

DUT: DREA100; IMEI:358279010024279

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

Medium: Head 850 MHz Medium parameters used: $f = 849 \text{ MHz}$; $\sigma = 0.933 \text{ mho/m}$; $\epsilon_r = 39.7$;
 $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3526; ConvF(11.48, 11.48, 11.48); Calibrated: 2007/8/29
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2008/1/24
- Phantom: SAM2; Type: SAM 4.0; Serial: TP:1270
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

LE_Tilt/Area Scan (71x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
 Maximum value of SAR (interpolated) = 0.156 mW/g

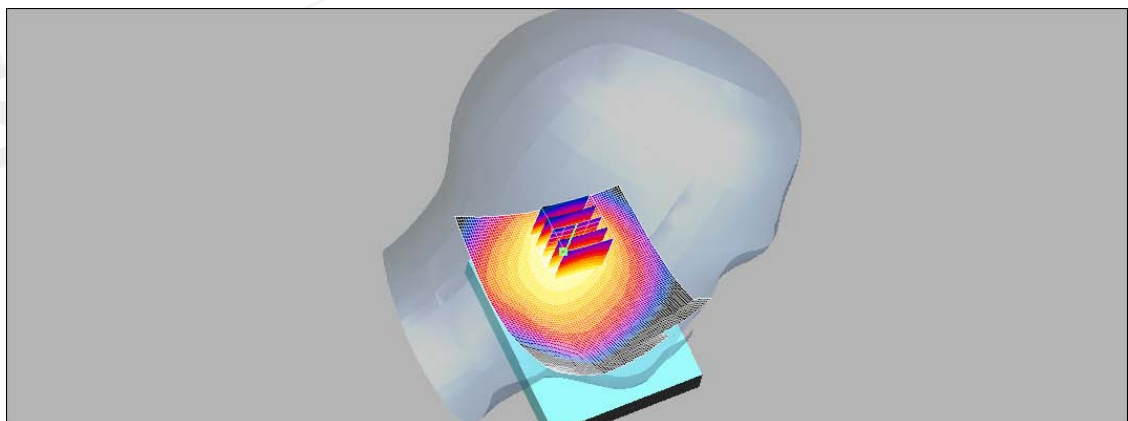
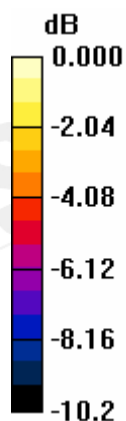
LE_Tilt/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$,
 $dz=5\text{mm}$

Reference Value = 10.1 V/m; Power Drift = -0.039 dB

Peak SAR (extrapolated) = 0.189 W/kg

SAR(1 g) = 0.147 mW/g; SAR(10 g) = 0.108 mW/g

Maximum value of SAR (measured) = 0.156 mW/g



0 dB = 0.156mW/g

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BODY_CH128

DUT: DREA100;IMEI:358279010024279

Communication System: GSM 850; Frequency: 824.2 MHz; Duty Cycle: 1:4
 Medium: Muscle 900 MHz Medium parameters used (interpolated): $f = 824.2 \text{ MHz}$; $\sigma = 0.994 \text{ mho/m}$; $\epsilon_r = 55.1$; $\rho = 1000 \text{ kg/m}^3$
 Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3526; ConvF(10.93, 10.93, 10.93); Calibrated: 2007/8/29
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2008/1/24
- Phantom: SAM1; Type: SAM 4.0; Serial: TP:1419
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

BODY/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (interpolated) = 0.963 mW/g

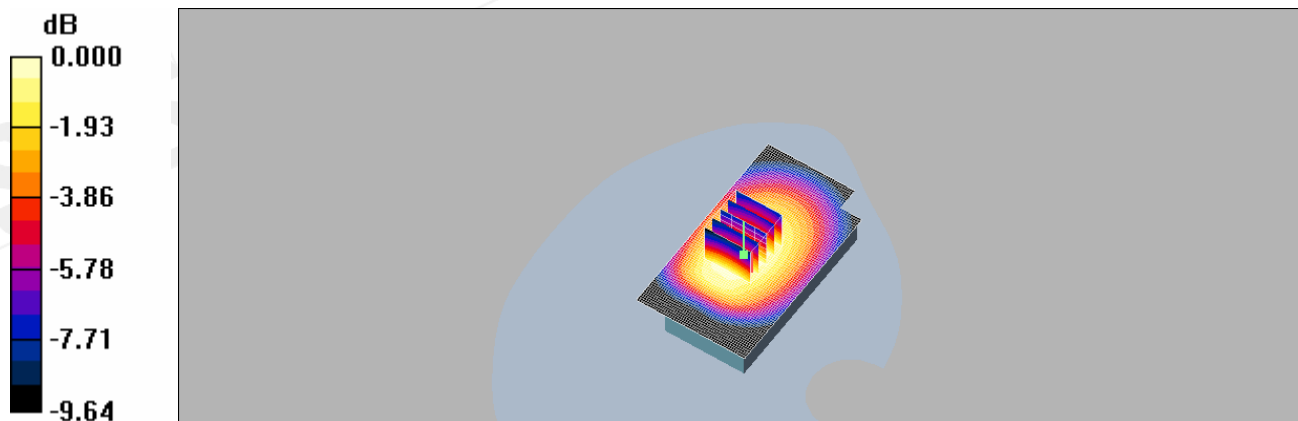
BODY/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.8 V/m; Power Drift = 0.165 dB

Peak SAR (extrapolated) = 1.18 W/kg

SAR(1 g) = 0.901 mW/g; SAR(10 g) = 0.658 mW/g

Maximum value of SAR (measured) = 0.947 mW/g



0 dB = 0.947mW/g

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BODY_CH190

DUT: DREA100;IMEI:358279010024279

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:4

Medium: Muscle 900 MHz Medium parameters used: $f = 837 \text{ MHz}$; $\sigma = 1 \text{ mho/m}$; $\epsilon_r = 55$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3526; ConvF(10.93, 10.93, 10.93); Calibrated: 2007/8/29
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2008/1/24
- Phantom: SAM1; Type: SAM 4.0; Serial: TP:1419
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

BODY/Area Scan (51x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
 Maximum value of SAR (interpolated) = 1.10 mW/g

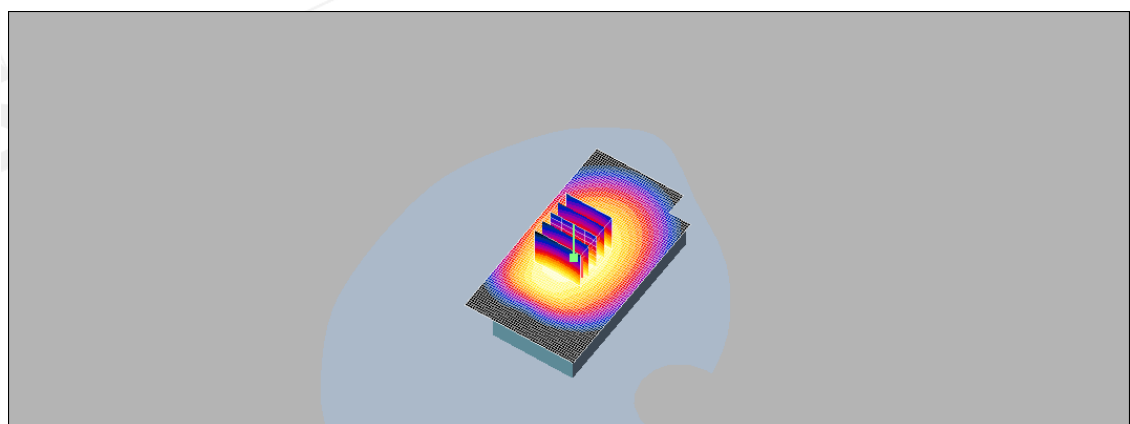
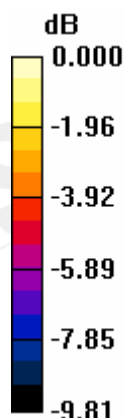
BODY/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$,
 $dz=5\text{mm}$

Reference Value = 12.3 V/m; Power Drift = -0.065 dB

Peak SAR (extrapolated) = 1.38 W/kg

SAR(1 g) = 1.04 mW/g; SAR(10 g) = 0.753 mW/g

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



0 dB = 1.10mW/g

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BODY_CH251

DUT: DREA100;IMEI:358279010024279

Communication System: GSM 850; Frequency: 848.8 MHz;Duty Cycle: 1:4

Medium: Muscle 900 MHz Medium parameters used: $f = 849 \text{ MHz}$; $\sigma = 1.01 \text{ mho/m}$; $\epsilon_r = 54.9$;
 $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3526; ConvF(10.93, 10.93, 10.93);Calibrated: 2007/8/29
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2008/1/24
- Phantom: SAM1; Type: SAM 4.0; Serial: TP:1419
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

BODY/Area Scan (51x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
 Maximum value of SAR (interpolated) = 1.14 mW/g

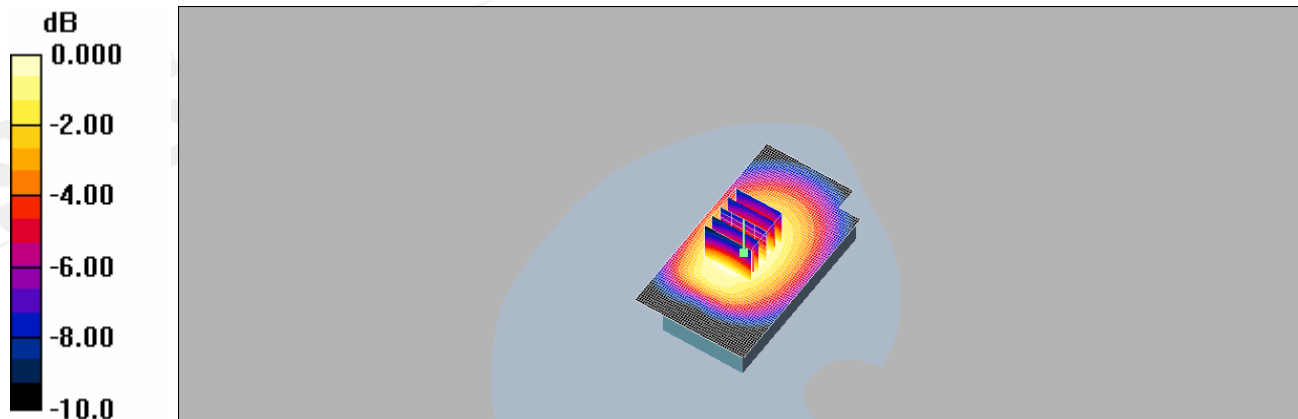
BODY/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$,
 $dz=5\text{mm}$

Reference Value = 12.2 V/m; Power Drift = -0.186 dB

Peak SAR (extrapolated) = 1.42 W/kg

SAR(1 g) = 1.07 mW/g; SAR(10 g) = 0.773 mW/g

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



0 dB = 1.13mW/g

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BODY_CH251_repeated for EUT front to phantom

DUT: DREA100;IMEI:358279010024279

Communication System: GSM 850; Frequency: 848.8 MHz; Duty Cycle: 1:4

Medium: Muscle 900 MHz Medium parameters used: $f = 849 \text{ MHz}$; $\sigma = 1.01 \text{ mho/m}$; $\epsilon_r = 54.9$;
 $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3526; ConvF(10.93, 10.93, 10.93); Calibrated: 2007/8/29
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2008/1/24
- Phantom: SAM1; Type: SAM 4.0; Serial: TP:1419
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

BODY/Area Scan (51x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
 Maximum value of SAR (interpolated) = 0.432 mW/g

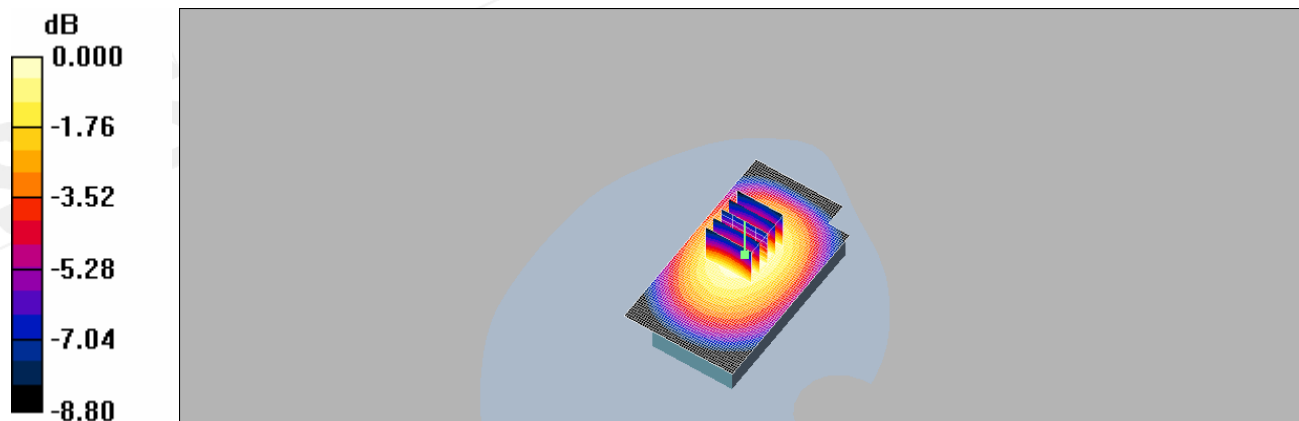
BODY/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$,
 $dz=5\text{mm}$

Reference Value = 10.8 V/m; Power Drift = 0.084 dB

Peak SAR (extrapolated) = 0.540 W/kg

SAR(1 g) = 0.416 mW/g; SAR(10 g) = 0.306 mW/g

Maximum value of SAR (measured) = 0.442 mW/g



0 dB = 0.442mW/g

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BODY_CH251_repdated with Memory card

DUT: DREA100;IMEI:358279010024279

Communication System: GSM 850; Frequency: 848.8 MHz;Duty Cycle: 1:4

Medium: Muscle 900 MHz Medium parameters used: $f = 849 \text{ MHz}$; $\sigma = 1.01 \text{ mho/m}$; $\epsilon_r = 54.9$;
 $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

- Probe: EX3DV3 - SN3526; ConvF(10.93, 10.93, 10.93); Calibrated: 2007/8/29
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2008/1/24
- Phantom: SAM1; Type: SAM 4.0; Serial: TP:1419
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

BODY/Area Scan (51x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

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

Reference Value = 14.6 V/m; Power Drift = -0.006 dB

Peak SAR (extrapolated) = 1.44 W/kg

SAR(1 g) = 1.08 mW/g; SAR(10 g) = 0.778 mW/g

Maximum value of SAR (measured) = 1.14 mW/g

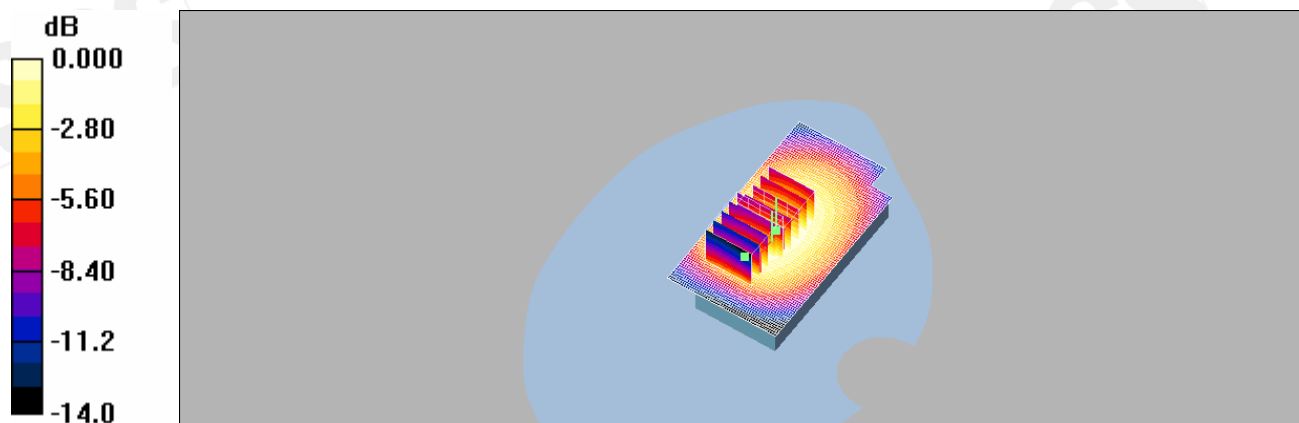
BODY/Zoom Scan (5x5x7)/Cube 1: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$,
 $dz=5\text{mm}$

Reference Value = 14.6 V/m; Power Drift = -0.006 dB

Peak SAR (extrapolated) = 1.38 W/kg

SAR(1 g) = 0.987 mW/g; SAR(10 g) = 0.654 mW/g

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



0 dB = 1.09mW/g

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BODY_CH251_repeated with Bluetooth active

DUT: DREA100;IMEI:358279010024279

Communication System: GSM 850; Frequency: 848.8 MHz;Duty Cycle: 1:4

Medium: Muscle 900 MHz Medium parameters used: $f = 849 \text{ MHz}$; $\sigma = 1.01 \text{ mho/m}$; $\epsilon_r = 54.9$;
 $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3526; ConvF(10.93, 10.93, 10.93); Calibrated: 2007/8/29
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2008/1/24
- Phantom: SAM1; Type: SAM 4.0; Serial: TP:1419
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

BODY/Area Scan (51x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
 Maximum value of SAR (interpolated) = 1.12 mW/g

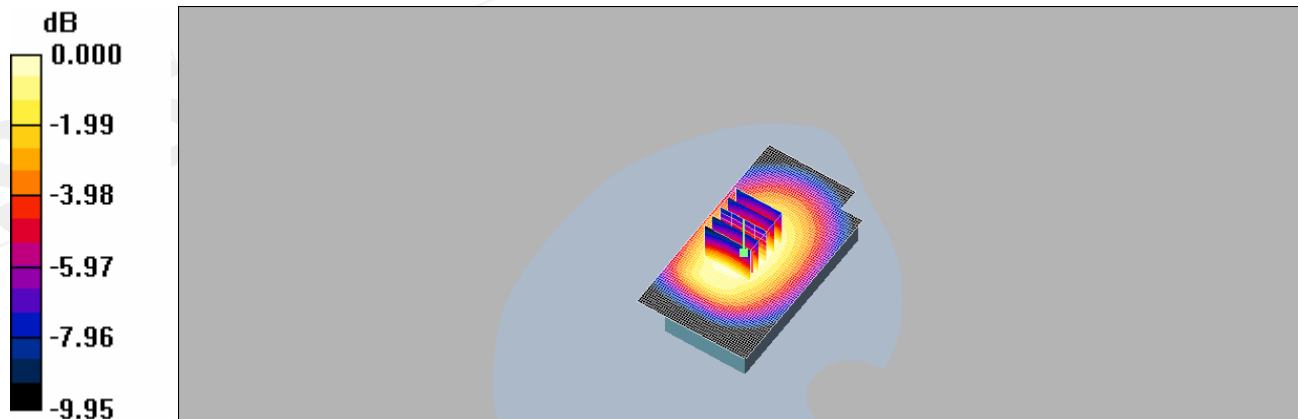
BODY/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$,
 $dz=5\text{mm}$

Reference Value = 14.5 V/m; Power Drift = -0.165 dB

Peak SAR (extrapolated) = 1.37 W/kg

SAR(1 g) = 1.04 mW/g; SAR(10 g) = 0.755 mW/g

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



0 dB = 1.10mW/g

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BODY_CH251_repdated with Headset

DUT: DREA100;IMEI:358279010024279

Communication System: GSM 850; Frequency: 848.8 MHz;Duty Cycle: 1:4

Medium: Muscle 900 MHz Medium parameters used: $f = 849 \text{ MHz}$; $\sigma = 1.01 \text{ mho/m}$; $\epsilon_r = 54.9$;
 $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

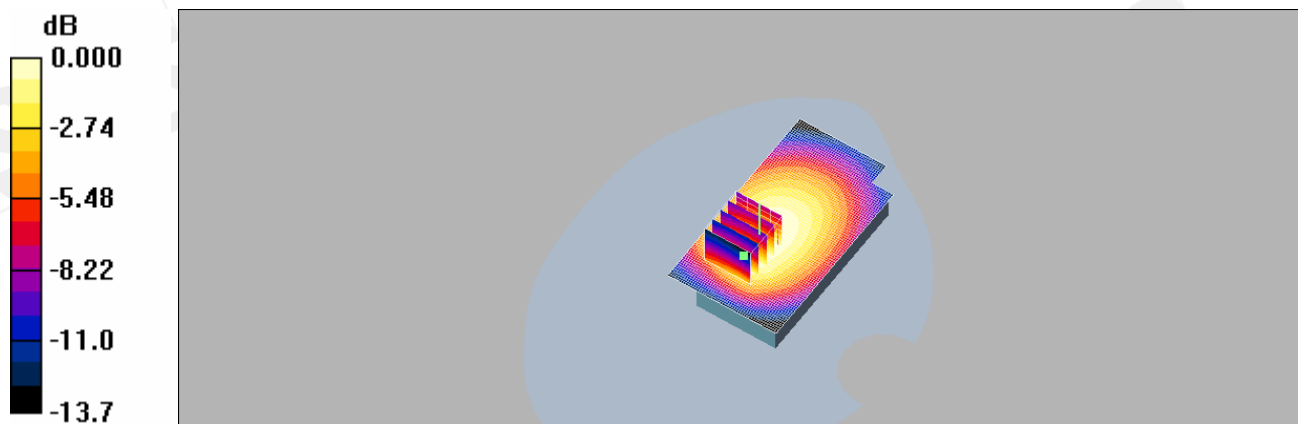
DASY4 Configuration:

- Probe: EX3DV3 - SN3526; ConvF(10.93, 10.93, 10.93); Calibrated: 2007/8/29
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2008/1/24
- Phantom: SAM1; Type: SAM 4.0; Serial: TP:1419
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

BODY/Area Scan (51x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
 Maximum value of SAR (interpolated) = 0.872 mW/g

BODY/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$,
 $dz=5\text{mm}$
 Reference Value = 15.6 V/m; Power Drift = 0.081 dB
 Peak SAR (extrapolated) = 1.14 W/kg

SAR(1 g) = 0.798 mW/g; SAR(10 g) = 0.548 mW/g
 Maximum value of SAR (measured) = 0.853 mW/g



0 dB = 0.853mW/g

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BODY_CH251_repdated with WLAN802.11 b active

DUT: DREA100;IMEI:358279010024279

Communication System: GSM 850; Frequency: 848.8 MHz;Duty Cycle: 1:4

Medium: Muscle 900 MHz Medium parameters used: $f = 849 \text{ MHz}$; $\sigma = 1.01 \text{ mho/m}$; $\epsilon_r = 54.9$;
 $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3526; ConvF(10.93, 10.93, 10.93); Calibrated: 2007/8/29
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2008/1/24
- Phantom: SAM1; Type: SAM 4.0; Serial: TP:1419
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

BODY/Area Scan (51x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
 Maximum value of SAR (interpolated) = 0.772 mW/g

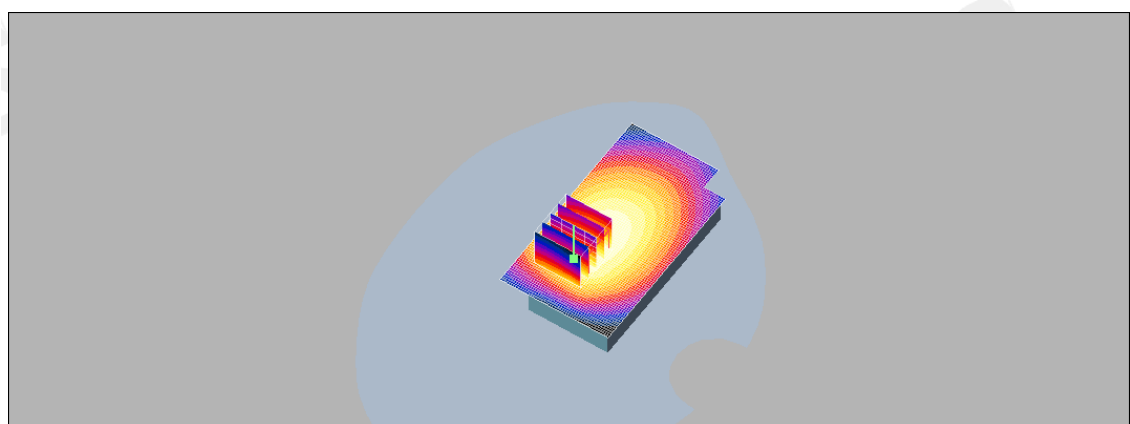
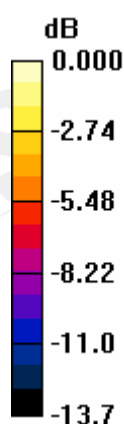
BODY/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$,
 $dz=5\text{mm}$

Reference Value = 14.8 V/m; Power Drift = 0.028 dB

Peak SAR (extrapolated) = 1.05 W/kg

SAR(1 g) = 0.695 mW/g; SAR(10 g) = 0.482 mW/g

Maximum value of SAR (measured) = 0.737 mW/g



0 dB = 0.737mW/g

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BODY_CH251_ repdated with WLAN802.11 g active

DUT: DREA100;IMEI:358279010024279

Communication System: GSM 850; Frequency: 848.8 MHz;Duty Cycle: 1:4

Medium: Muscle 900 MHz Medium parameters used: $f = 849 \text{ MHz}$; $\sigma = 1.01 \text{ mho/m}$; $\epsilon_r = 54.9$;
 $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

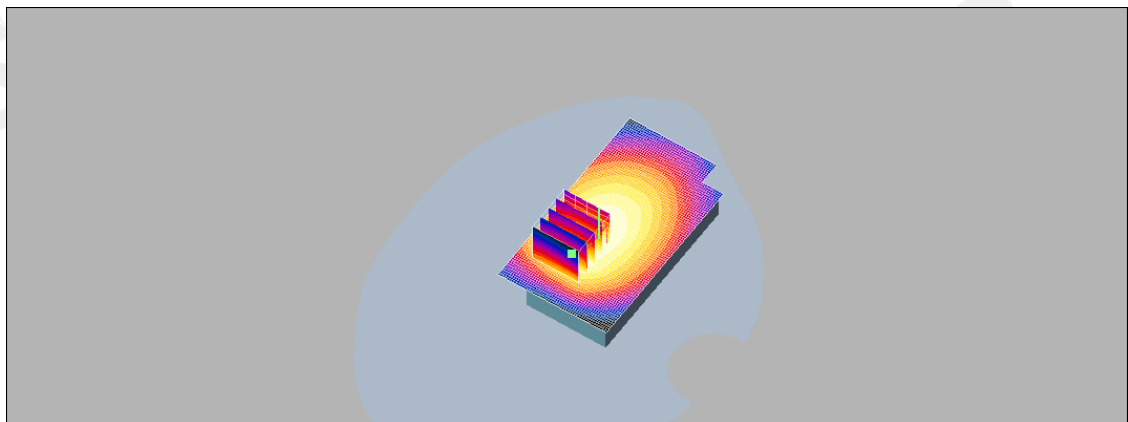
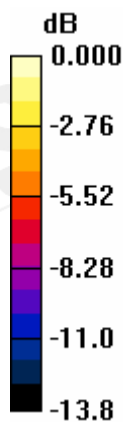
DASY4 Configuration:

- Probe: EX3DV3 - SN3526; ConvF(10.93, 10.93, 10.93); Calibrated: 2007/8/29
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2008/1/24
- Phantom: SAM1; Type: SAM 4.0; Serial: TP:1419
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

BODY/Area Scan (51x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
 Maximum value of SAR (interpolated) = 0.766 mW/g

BODY/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$,
 $dz=5\text{mm}$
 Reference Value = 14.8 V/m; Power Drift = -0.069 dB
 Peak SAR (extrapolated) = 1.04 W/kg

SAR(1 g) = 0.692 mW/g; SAR(10 g) = 0.480 mW/g
 Maximum value of SAR (measured) = 0.739 mW/g



0 dB = 0.739mW/g

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BODY_CH251_ repdated with WLAN802.11 b & Bluetooth active

DUT: DREA100;IMEI:358279010024279

Communication System: GSM 850; Frequency: 848.8 MHz;Duty Cycle: 1:4

Medium: Muscle 900 MHz Medium parameters used: $f = 849 \text{ MHz}$; $\sigma = 1.01 \text{ mho/m}$; $\epsilon_r = 54.9$;
 $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3526; ConvF(10.93, 10.93, 10.93); Calibrated: 2007/8/29
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2008/1/24
- Phantom: SAM1; Type: SAM 4.0; Serial: TP:1419
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

BODY/Area Scan (51x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
 Maximum value of SAR (interpolated) = 0.782 mW/g

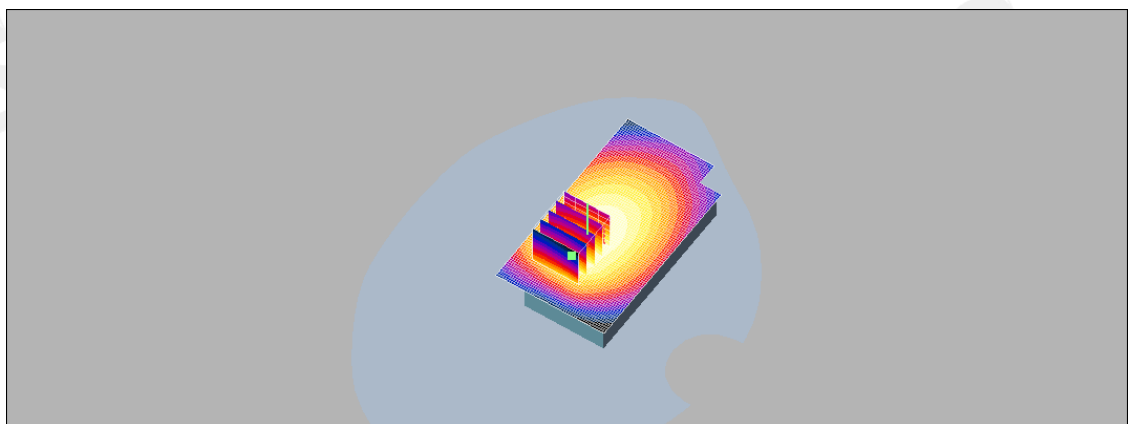
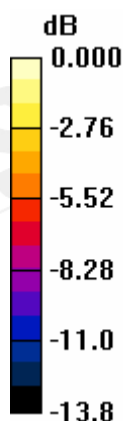
BODY/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$,
 $dz=5\text{mm}$

Reference Value = 14.8 V/m; Power Drift = 0.082 dB

Peak SAR (extrapolated) = 1.03 W/kg

SAR(1 g) = 0.700 mW/g; SAR(10 g) = 0.484 mW/g

Maximum value of SAR (measured) = 0.742 mW/g



0 dB = 0.742mW/g

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BODY_CH251_repeated with TWS Battery

DUT: DREA100; IMEI:358279010024279

Communication System: GSM 850; Frequency: 848.8 MHz; Duty Cycle: 1:4
 Medium: Muscle 900 MHz Medium parameters used (interpolated): $f = 848.8 \text{ MHz}$; $\sigma = 0.984 \text{ mho/m}$; $\epsilon_r = 56.3$; $\rho = 1000 \text{ kg/m}^3$
 Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3526; ConvF(10.93, 10.93, 10.93); ConvF(10.93, 10.93, 10.93); Calibrated: 2007/8/29
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2008/1/24
- Phantom: SAM2; Type: SAM 4.0; Serial: TP:1270
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 184

BODY/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (interpolated) = 0.917 mW/g

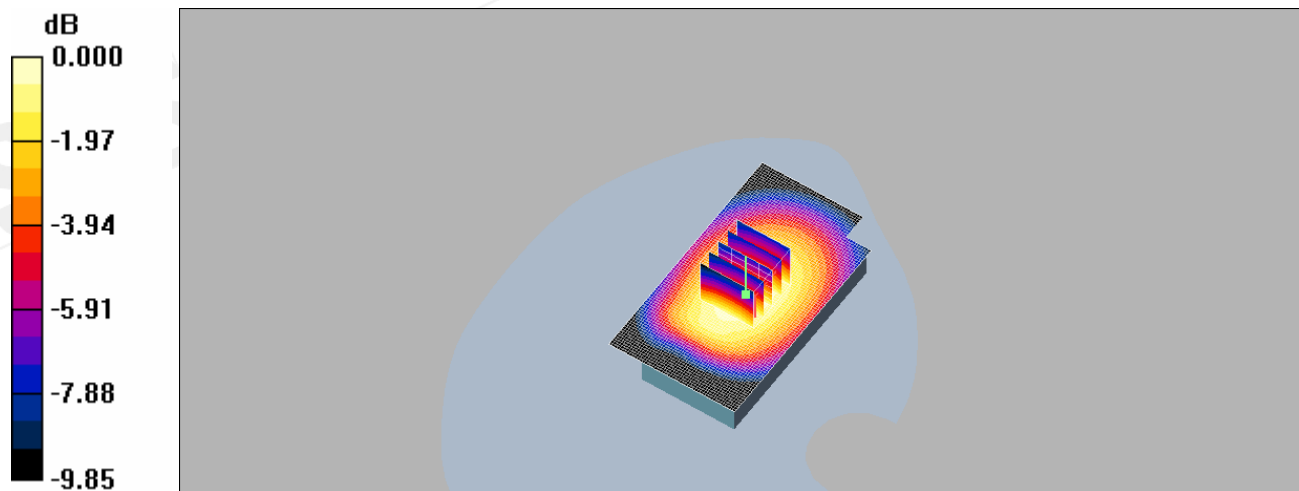
BODY/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.0 V/m; Power Drift = -0.136 dB

Peak SAR (extrapolated) = 1.15 W/kg

SAR(1 g) = 0.867 mW/g; SAR(10 g) = 0.629 mW/g

Maximum value of SAR (measured) = 0.918 mW/g



Date/Time: 2008/5/26 13:17:31

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RE Cheek_CH512_slider off

DUT: DREA100; IMEI:358279010024279

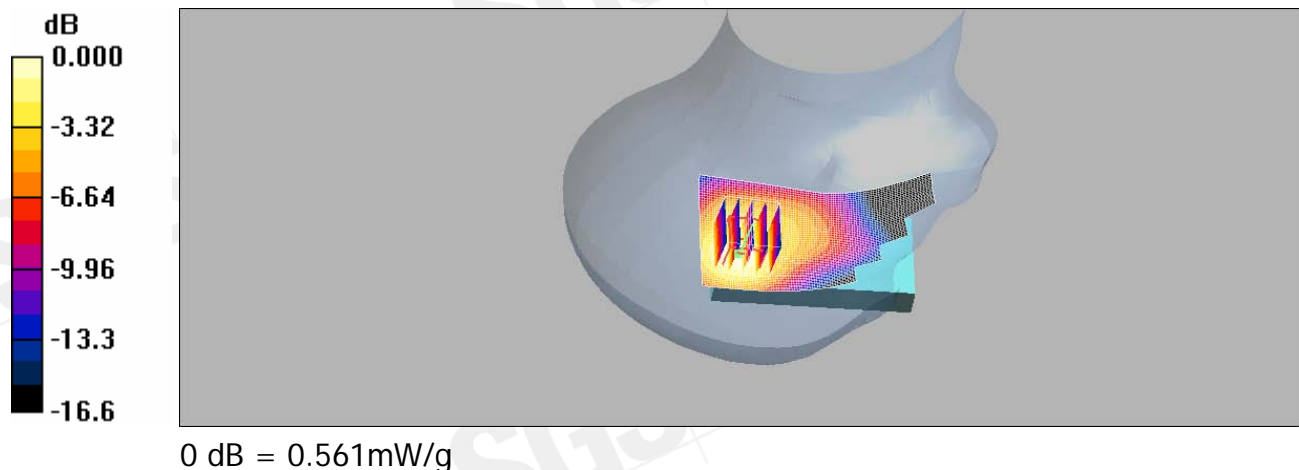
Communication System: GSM1900; Frequency: 1850.2 MHz; Duty Cycle: 1:8.3
Medium: Head 1900 MHz Medium parameters used (interpolated): $f = 1850.2$ MHz; $\sigma = 1.4$ mho/m; $\epsilon_r = 41.1$; $\rho = 1000$ kg/m³
Phantom section: Right Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3526; ConvF(9.3, 9.3, 9.3); Calibrated: 2007/8/29
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2008/1/24
- Phantom: SAM1; Type: SAM 4.0; Serial: TP:1419
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

RE_Cheek/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.534 mW/g

RE_Cheek/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 16.4 V/m; Power Drift = 0.024 dB
Peak SAR (extrapolated) = 0.821 W/kg
SAR(1 g) = 0.512 mW/g; SAR(10 g) = 0.302 mW/g
Maximum value of SAR (measured) = 0.561 mW/g



Date/Time: 2008/5/26 13:30:31

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RE Cheek_CH661_slider off

DUT: DREA100; IMEI:358279010024279

Communication System: GSM1900; Frequency: 1880 MHz; Duty Cycle: 1:8.3

Medium: Head 1900 MHz Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.44 \text{ mho/m}$; $\epsilon_r = 41$;
 $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3526; ConvF(9.3, 9.3, 9.3); Calibrated: 2007/8/29
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2008/1/24
- Phantom: SAM1; Type: SAM 4.0; Serial: TP:1419
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

RE_Cheek/Area Scan (51x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (interpolated) = 0.574 mW/g

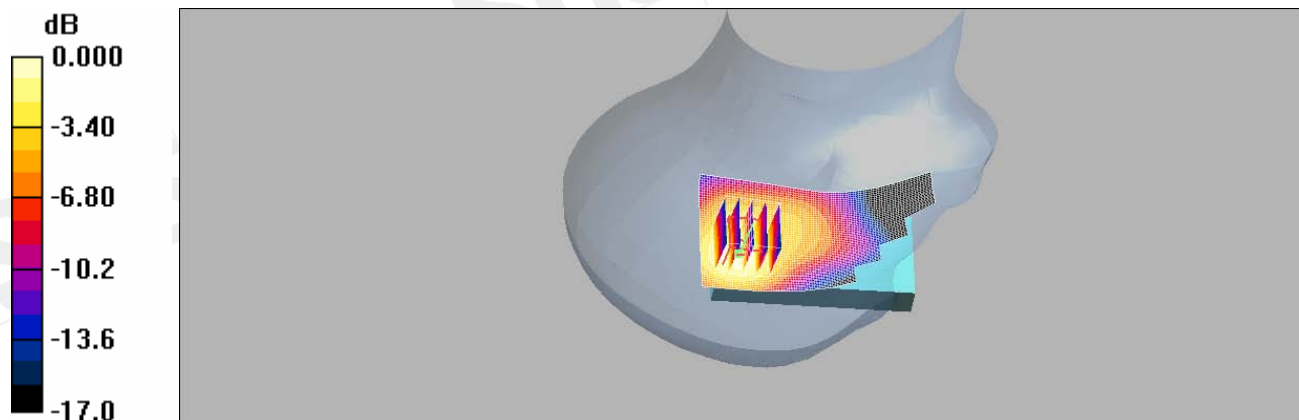
RE_Cheek/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$,
 $dz=5\text{mm}$

Reference Value = 17.0 V/m; Power Drift = -0.078 dB

Peak SAR (extrapolated) = 0.893 W/kg

SAR(1 g) = 0.552 mW/g; SAR(10 g) = 0.325 mW/g

Maximum value of SAR (measured) = 0.603 mW/g



0 dB = 0.603mW/g

Date/Time: 2008/5/26 13:45:23

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RE Cheek_CH810_slider off

DUT: DREA100; IMEI:358279010024279

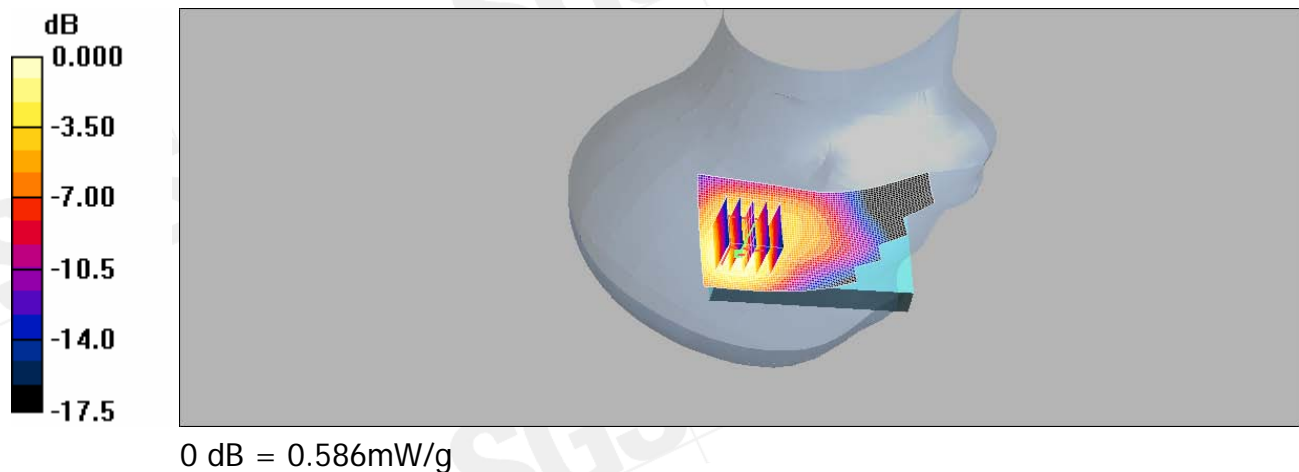
Communication System: GSM1900; Frequency: 1909.8 MHz; Duty Cycle: 1:8.3
Medium: Head 1900 MHz Medium parameters used: $f = 1910$ MHz; $\sigma = 1.46$ mho/m; $\epsilon_r = 41$;
 $\rho = 1000$ kg/m³
Phantom section: Right Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3526; ConvF(9.3, 9.3, 9.3); Calibrated: 2007/8/29
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2008/1/24
- Phantom: SAM1; Type: SAM 4.0; Serial: TP:1419
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

RE_Cheek/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.553 mW/g

RE_Cheek/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 16.7 V/m; Power Drift = -0.032 dB
Peak SAR (extrapolated) = 0.860 W/kg
SAR(1 g) = 0.534 mW/g; SAR(10 g) = 0.313 mW/g
Maximum value of SAR (measured) = 0.586 mW/g



Date/Time: 2008/5/26 15:25:41

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LE Cheek_CH512_slider off

DUT: DREA100; IMEI:358279010024279

Communication System: GSM1900; Frequency: 1850.2 MHz; Duty Cycle: 1:8.3
Medium: Head 1900 MHz Medium parameters used (interpolated): $f = 1850.2$ MHz; $\sigma = 1.4$ mho/m; $\epsilon_r = 41.1$; $\rho = 1000$ kg/m³
Phantom section: Left Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3526; ConvF(9.3, 9.3, 9.3); Calibrated: 2007/8/29
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2008/1/24
- Phantom: SAM1; Type: SAM 4.0; Serial: TP:1419
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

LE_Cheek/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.573 mW/g

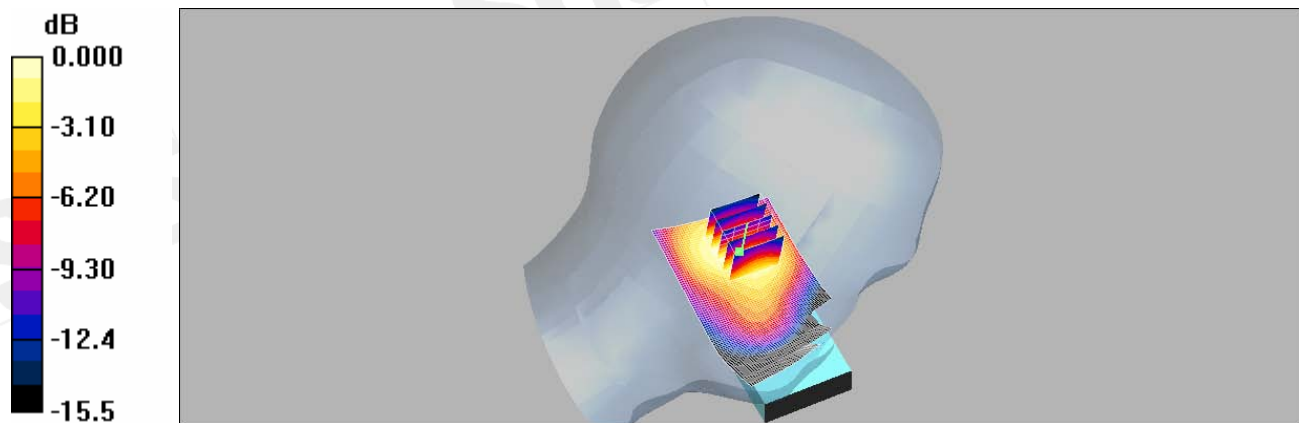
LE_Cheek/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.0 V/m; Power Drift = -0.045 dB

Peak SAR (extrapolated) = 0.791 W/kg

SAR(1 g) = 0.528 mW/g; SAR(10 g) = 0.333 mW/g

Maximum value of SAR (measured) = 0.567 mW/g



0 dB = 0.567mW/g

Date/Time: 2008/5/26 15:38:45

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LE Cheek_CH661_slider off

DUT: DREA100; IMEI:358279010024279

Communication System: GSM1900; Frequency: 1880 MHz; Duty Cycle: 1:8.3
Medium: Head 1900 MHz Medium parameters used: $f = 1880$ MHz; $\sigma = 1.44$ mho/m; $\epsilon_r = 41$;
 $\rho = 1000$ kg/m³
Phantom section: Left Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3526; ConvF(9.3, 9.3, 9.3); Calibrated: 2007/8/29
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2008/1/24
- Phantom: SAM1; Type: SAM 4.0; Serial: TP:1419
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

LE_Cheek/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.598 mW/g

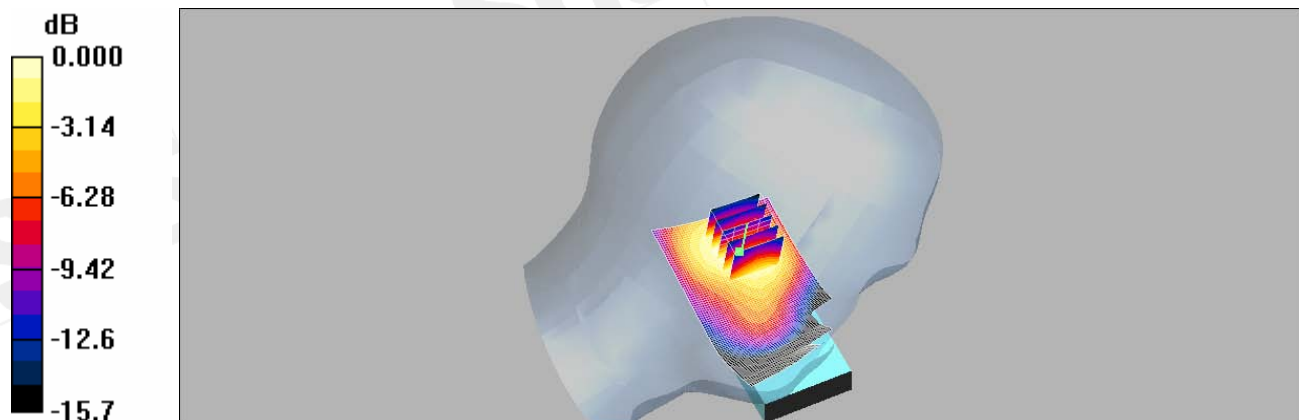
LE_Cheek/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm,
dz=5mm

Reference Value = 18.2 V/m; Power Drift = -0.063 dB

Peak SAR (extrapolated) = 0.834 W/kg

SAR(1 g) = 0.554 mW/g; SAR(10 g) = 0.346 mW/g

Maximum value of SAR (measured) = 0.597 mW/g



0 dB = 0.597mW/g

Date/Time: 2008/5/26 15:55:31

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LE Cheek_CH810_slider off

DUT: DREA100; IMEI:358279010024279

Communication System: GSM1900; Frequency: 1909.8 MHz; Duty Cycle: 1:8.3
Medium: Head 1900 MHz Medium parameters used: $f = 1910$ MHz; $\sigma = 1.46$ mho/m; $\epsilon_r = 41$;
 $\rho = 1000$ kg/m³
Phantom section: Left Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3526; ConvF(9.3, 9.3, 9.3); Calibrated: 2007/8/29
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2008/1/24
- Phantom: SAM1; Type: SAM 4.0; Serial: TP:1419
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

LE_Cheek/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.572 mW/g

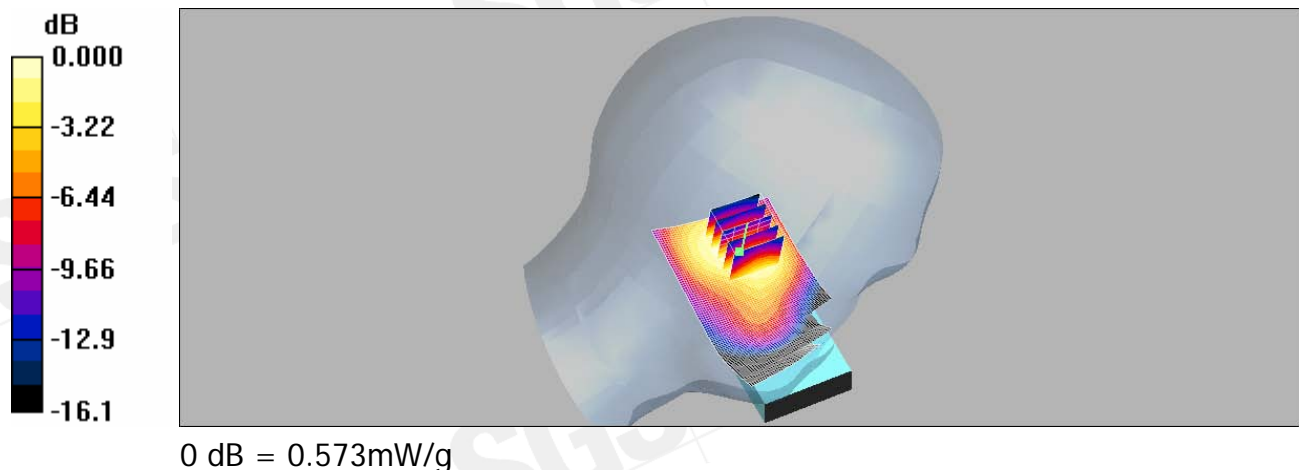
LE_Cheek/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm,
dz=5mm

Reference Value = 17.8 V/m; Power Drift = 0.010 dB

Peak SAR (extrapolated) = 0.815 W/kg

SAR(1 g) = 0.532 mW/g; SAR(10 g) = 0.332 mW/g

Maximum value of SAR (measured) = 0.573 mW/g



Date/Time: 2008/5/26 17:26:04

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RE Tilt_CH512_slider off

DUT: DREA100; IMEI:358279010024279

Communication System: GSM1900; Frequency: 1850.2 MHz; Duty Cycle: 1:8.3
Medium: Head 1900 MHz Medium parameters used (interpolated): $f = 1850.2$ MHz; $\sigma = 1.4$ mho/m; $\epsilon_r = 41.1$; $\rho = 1000$ kg/m³
Phantom section: Right Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3526; ConvF(9.3, 9.3, 9.3); Calibrated: 2007/8/29
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2008/1/24
- Phantom: SAM1; Type: SAM 4.0; Serial: TP:1419
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

RE_Tilt/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.757 mW/g

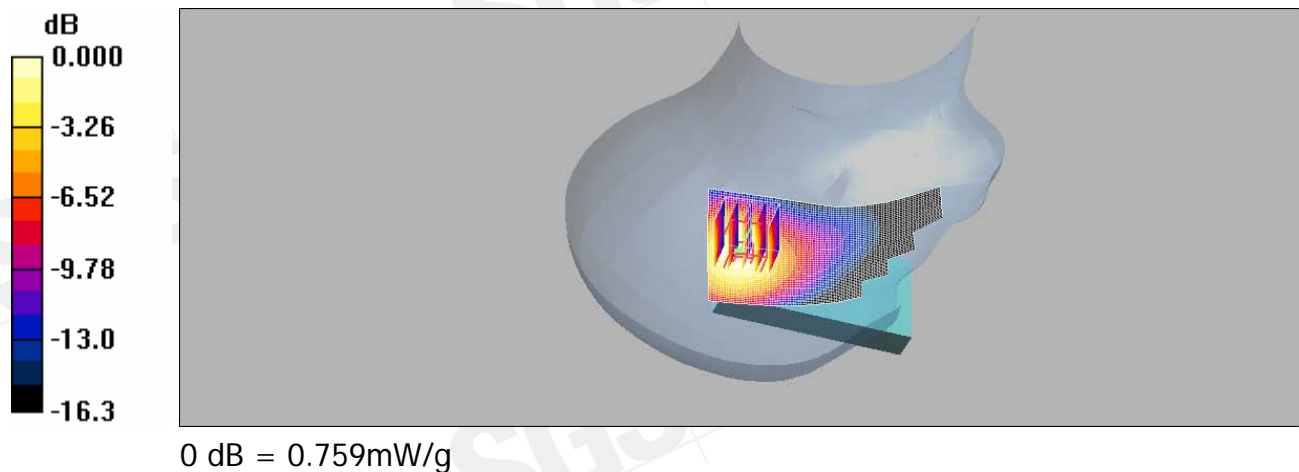
RE_Tilt/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 22.5 V/m; Power Drift = -0.020 dB

Peak SAR (extrapolated) = 1.11 W/kg

SAR(1 g) = 0.695 mW/g; SAR(10 g) = 0.407 mW/g

Maximum value of SAR (measured) = 0.759 mW/g



Date/Time: 2008/5/26 17:13:21

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RE Tilt_CH661_slider off

DUT: DREA100; IMEI:358279010024279

Communication System: GSM1900; Frequency: 1880 MHz; Duty Cycle: 1:8.3
Medium: Head 1900 MHz Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.44 \text{ mho/m}$; $\epsilon_r = 41$;
 $\rho = 1000 \text{ kg/m}^3$
Phantom section: Right Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3526; ConvF(9.3, 9.3, 9.3); Calibrated: 2007/8/29
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2008/1/24
- Phantom: SAM1; Type: SAM 4.0; Serial: TP:1419
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

RE_Tilt/Area Scan (51x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (interpolated) = 0.778 mW/g

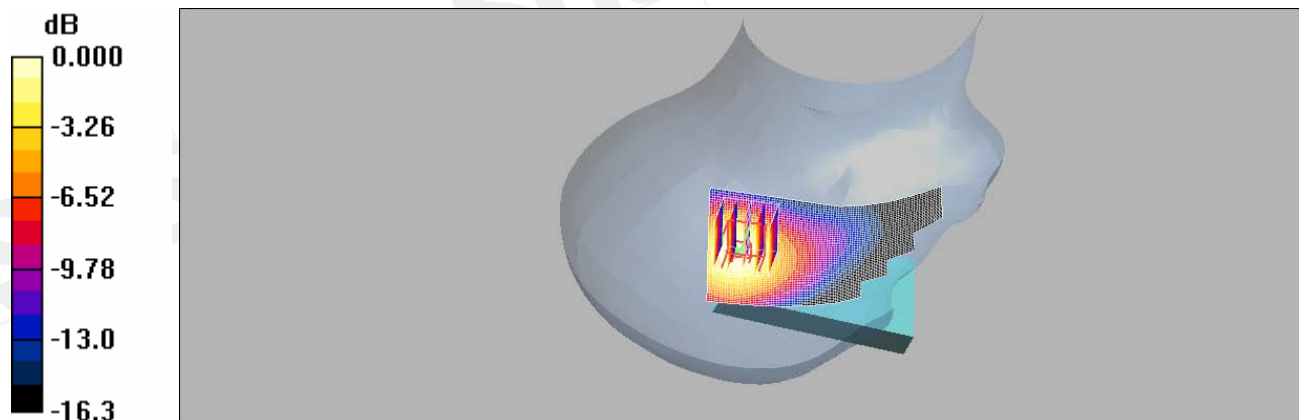
RE_Tilt/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$,
 $dz=5\text{mm}$

Reference Value = 22.5 V/m; Power Drift = 0.003 dB

Peak SAR (extrapolated) = 1.14 W/kg

SAR(1 g) = 0.711 mW/g; SAR(10 g) = 0.415 mW/g

Maximum value of SAR (measured) = 0.775 mW/g



0 dB = 0.775mW/g

Date/Time: 2008/5/26 17:01:00

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RE Tilt_CH810_slider off

DUT: DREA100; IMEI:358279010024279

Communication System: GSM1900; Frequency: 1909.8 MHz; Duty Cycle: 1:8.3
Medium: Head 1900 MHz Medium parameters used: $f = 1910$ MHz; $\sigma = 1.46$ mho/m; $\epsilon_r = 41$;
 $\rho = 1000$ kg/m³
Phantom section: Right Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3526; ConvF(9.3, 9.3, 9.3); Calibrated: 2007/8/29
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2008/1/24
- Phantom: SAM1; Type: SAM 4.0; Serial: TP:1419
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

RE_Tilt/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.724 mW/g

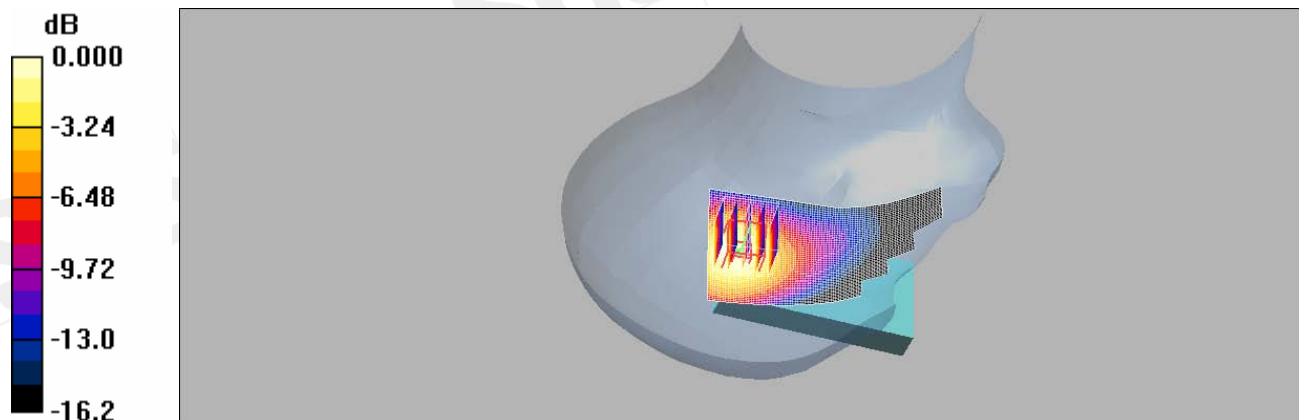
RE_Tilt/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 21.9 V/m; Power Drift = -0.104 dB

Peak SAR (extrapolated) = 1.07 W/kg

SAR(1 g) = 0.662 mW/g; SAR(10 g) = 0.385 mW/g

Maximum value of SAR (measured) = 0.723 mW/g



Date/Time: 2008/5/26 16:35:02

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LE Tilt_CH512_slider off

DUT: DREA100; IMEI:358279010024279

Communication System: GSM1900; Frequency: 1850.2 MHz; Duty Cycle: 1:8.3
Medium: Head 1900 MHz Medium parameters used (interpolated): $f = 1850.2$ MHz; $\sigma = 1.4$ mho/m; $\epsilon_r = 41.1$; $\rho = 1000$ kg/m³
Phantom section: Left Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3526; ConvF(9.3, 9.3, 9.3); Calibrated: 2007/8/29
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2008/1/24
- Phantom: SAM1; Type: SAM 4.0; Serial: TP:1419
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

LE_Tilt/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.782 mW/g

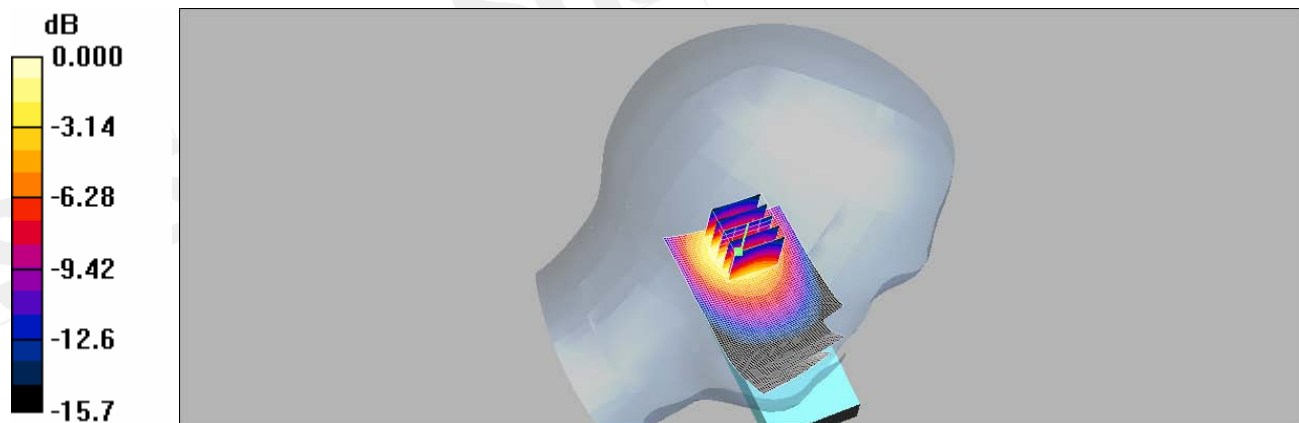
LE_Tilt/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 22.7 V/m; Power Drift = -0.005 dB

Peak SAR (extrapolated) = 1.14 W/kg

SAR(1 g) = 0.702 mW/g; SAR(10 g) = 0.416 mW/g

Maximum value of SAR (measured) = 0.765 mW/g



0 dB = 0.765mW/g

Date/Time: 2008/5/26 16:22:07

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LE Tilt_CH661_slider off

DUT: DREA100; IMEI:358279010024279

Communication System: GSM1900; Frequency: 1880 MHz; Duty Cycle: 1:8.3

Medium: Head 1900 MHz Medium parameters used: $f = 1880$ MHz; $\sigma = 1.44$ mho/m; $\epsilon_r = 41$;
 $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3526; ConvF(9.3, 9.3, 9.3); Calibrated: 2007/8/29
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2008/1/24
- Phantom: SAM1; Type: SAM 4.0; Serial: TP:1419
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

LE_Tilt/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.802 mW/g

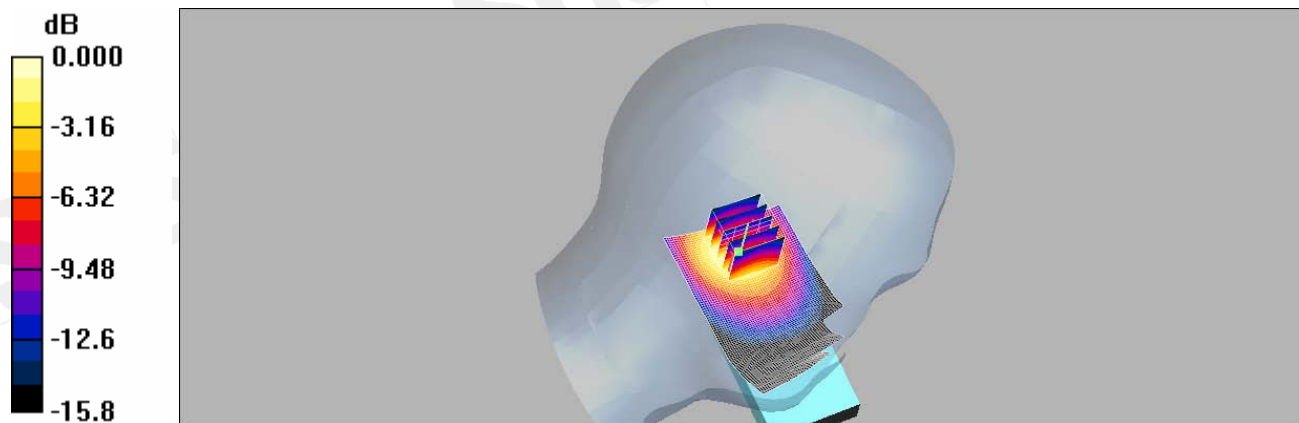
LE_Tilt/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 22.7 V/m; Power Drift = -0.024 dB

Peak SAR (extrapolated) = 1.16 W/kg

SAR(1 g) = 0.713 mW/g; SAR(10 g) = 0.422 mW/g

Maximum value of SAR (measured) = 0.775 mW/g



0 dB = 0.775mW/g

Date/Time: 2008/5/26 16:09:15

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LE Tilt_CH810_slider off

DUT: DREA100; IMEI:358279010024279

Communication System: GSM1900; Frequency: 1909.8 MHz; Duty Cycle: 1:8.3
Medium: Head 1900 MHz Medium parameters used: $f = 1910$ MHz; $\sigma = 1.46$ mho/m; $\epsilon_r = 41$;
 $\rho = 1000$ kg/m³
Phantom section: Left Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3526; ConvF(9.3, 9.3, 9.3); Calibrated: 2007/8/29
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2008/1/24
- Phantom: SAM1; Type: SAM 4.0; Serial: TP:1419
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

LE_Tilt/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.724 mW/g

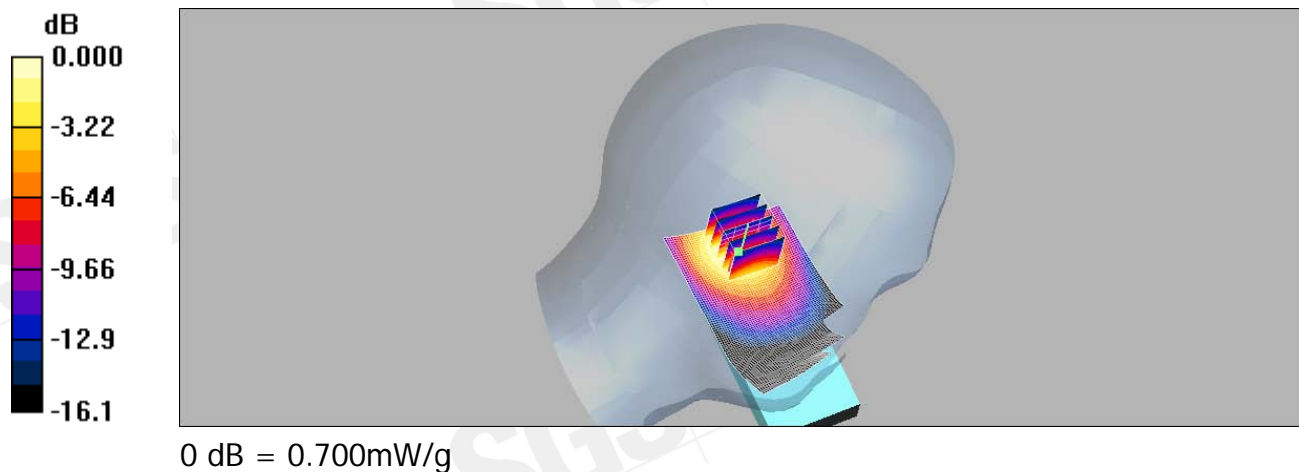
LE_Tilt/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 21.5 V/m; Power Drift = 0.001 dB

Peak SAR (extrapolated) = 1.06 W/kg

SAR(1 g) = 0.642 mW/g; SAR(10 g) = 0.378 mW/g

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



Date/Time: 2008/5/26 09:04:33

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RE Cheek_CH512_slider on

DUT: DREA100; IMEI:358279010024279

Communication System: GSM1900; Frequency: 1850.2 MHz; Duty Cycle: 1:8.3
Medium: Head 1900 MHz Medium parameters used (interpolated): $f = 1850.2$ MHz; $\sigma = 1.4$ mho/m; $\epsilon_r = 41.1$; $\rho = 1000$ kg/m³
Phantom section: Right Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3526; ConvF(9.3, 9.3, 9.3); Calibrated: 2007/8/29
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2008/1/24
- Phantom: SAM1; Type: SAM 4.0; Serial: TP:1419
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

RE_Cheek/Area Scan (71x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.489 mW/g

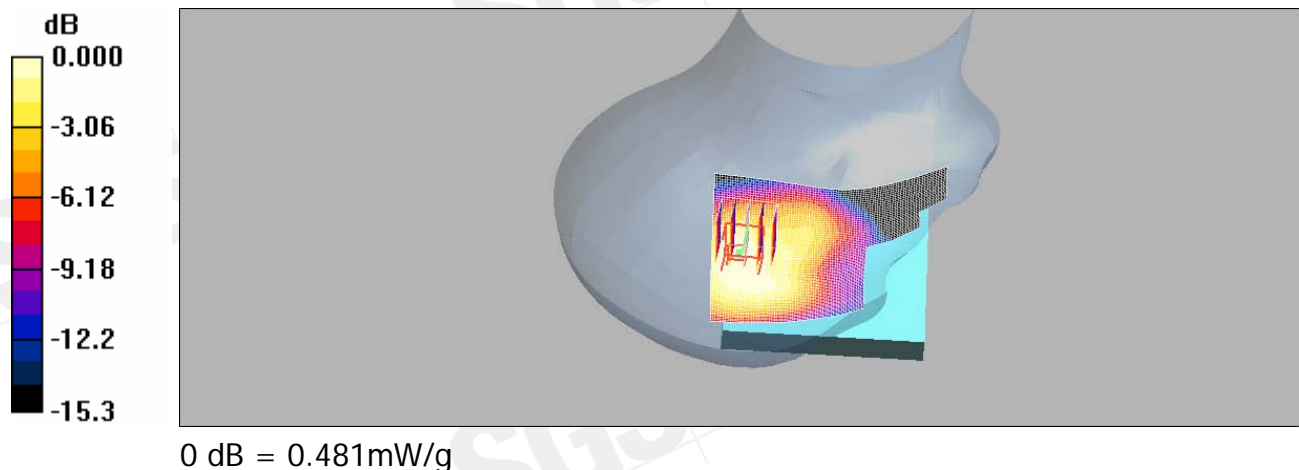
RE_Cheek/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.2 V/m; Power Drift = -0.006 dB

Peak SAR (extrapolated) = 0.720 W/kg

SAR(1 g) = 0.456 mW/g; SAR(10 g) = 0.283 mW/g

Maximum value of SAR (measured) = 0.481 mW/g



Date/Time: 2008/5/26 09:19:21

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RE Cheek_CH661_slider on

DUT: DREA100; IMEI:358279010024279

Communication System: GSM1900; Frequency: 1880 MHz; Duty Cycle: 1:8.3

Medium: Head 1900 MHz Medium parameters used: $f = 1880$ MHz; $\sigma = 1.44$ mho/m; $\epsilon_r = 41$;
 $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3526; ConvF(9.3, 9.3, 9.3); Calibrated: 2007/8/29
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2008/1/24
- Phantom: SAM1; Type: SAM 4.0; Serial: TP:1419
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

RE_Cheek/Area Scan (71x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.454 mW/g

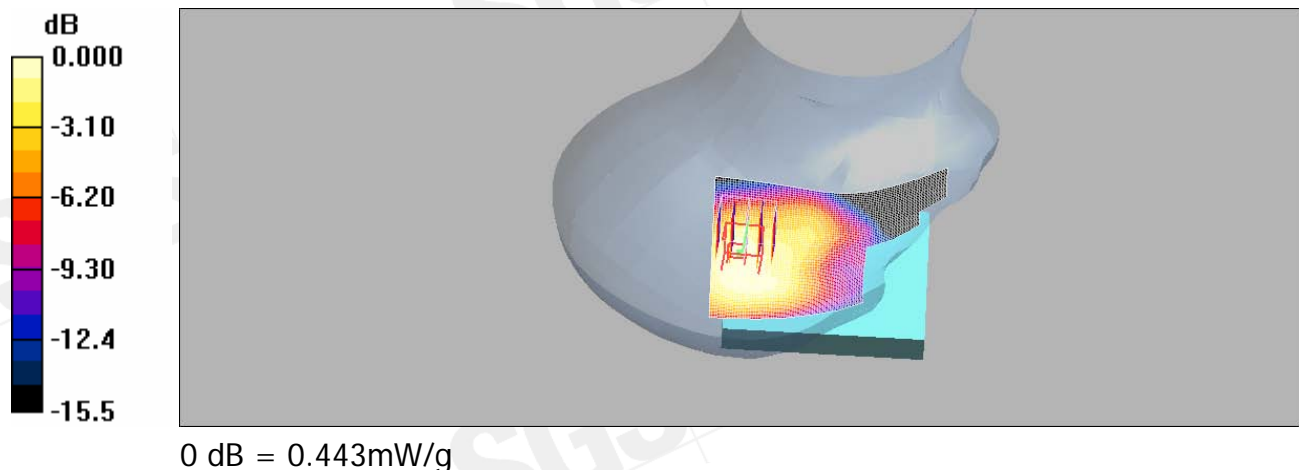
RE_Cheek/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm,
dz=5mm

Reference Value = 14.6 V/m; Power Drift = -0.035 dB

Peak SAR (extrapolated) = 0.661 W/kg

SAR(1 g) = 0.420 mW/g; SAR(10 g) = 0.259 mW/g

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



Date/Time: 2008/5/26 09:33:46

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RE Cheek_CH810_slider on

DUT: DREA100; IMEI:358279010024279

Communication System: GSM1900; Frequency: 1909.8 MHz; Duty Cycle: 1:8.3
Medium: Head 1900 MHz Medium parameters used: $f = 1910$ MHz; $\sigma = 1.46$ mho/m; $\epsilon_r = 41$;
 $\rho = 1000$ kg/m³
Phantom section: Right Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3526; ConvF(9.3, 9.3, 9.3); Calibrated: 2007/8/29
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2008/1/24
- Phantom: SAM1; Type: SAM 4.0; Serial: TP:1419
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

RE_Cheek/Area Scan (71x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.417 mW/g

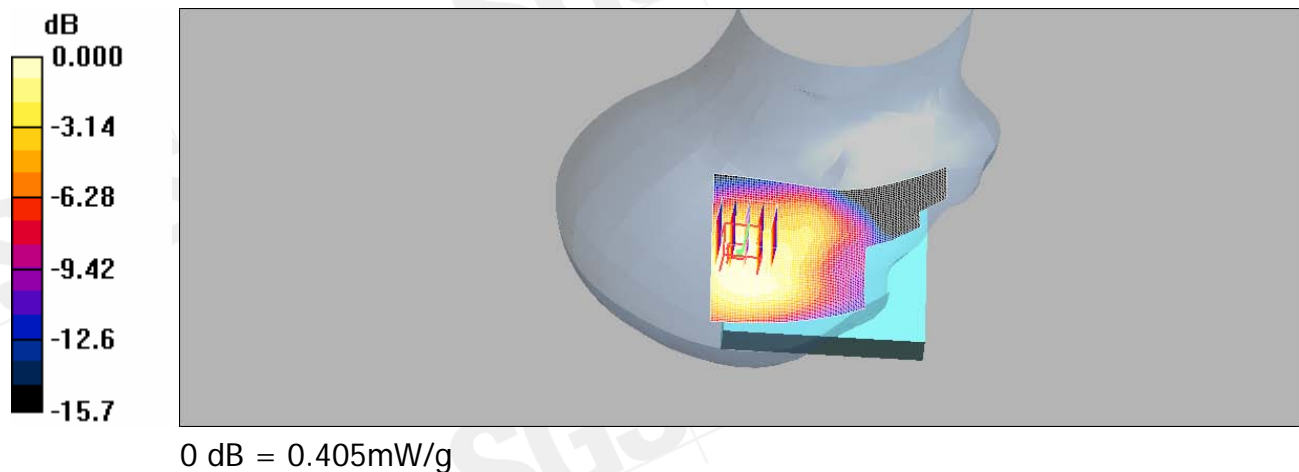
RE_Cheek/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.8 V/m; Power Drift = -0.004 dB

Peak SAR (extrapolated) = 0.603 W/kg

SAR(1 g) = 0.382 mW/g; SAR(10 g) = 0.235 mW/g

Maximum value of SAR (measured) = 0.405 mW/g



Date/Time: 2008/5/26 07:18:13

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LE Cheek_CH512_slider on

DUT: DREA100; IMEI:358279010024279

Communication System: GSM1900; Frequency: 1850.2 MHz; Duty Cycle: 1:8.3
Medium: Head 1900 MHz Medium parameters used (interpolated): $f = 1850.2$ MHz; $\sigma = 1.4$ mho/m; $\epsilon_r = 41.1$; $\rho = 1000$ kg/m³
Phantom section: Left Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3526; ConvF(9.3, 9.3, 9.3); Calibrated: 2007/8/29
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2008/1/24
- Phantom: SAM1; Type: SAM 4.0; Serial: TP:1419
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

LE_Cheek/Area Scan (71x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.457 mW/g

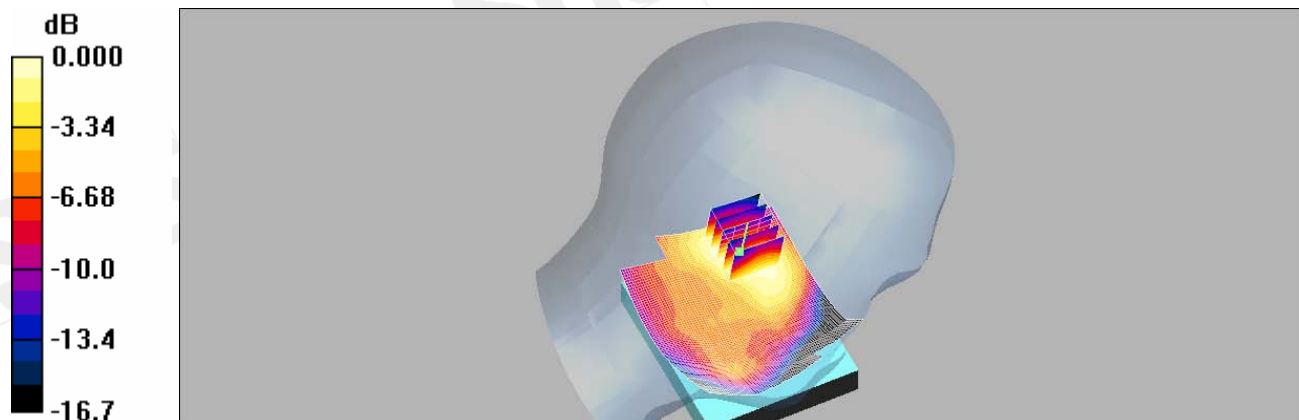
LE_Cheek/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.2 V/m; Power Drift = -0.046 dB

Peak SAR (extrapolated) = 0.645 W/kg

SAR(1 g) = 0.420 mW/g; SAR(10 g) = 0.264 mW/g

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



0 dB = 0.454mW/g

Date/Time: 2008/5/26 07:33:58

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LE Cheek_CH661_slider on

DUT: DREA100; IMEI:358279010024279

Communication System: GSM1900; Frequency: 1880 MHz; Duty Cycle: 1:8.3

Medium: Head 1900 MHz Medium parameters used: $f = 1880$ MHz; $\sigma = 1.44$ mho/m; $\epsilon_r = 41$;
 $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3526; ConvF(9.3, 9.3, 9.3); Calibrated: 2007/8/29
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2008/1/24
- Phantom: SAM1; Type: SAM 4.0; Serial: TP:1419
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

LE_Cheek/Area Scan (71x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.415 mW/g

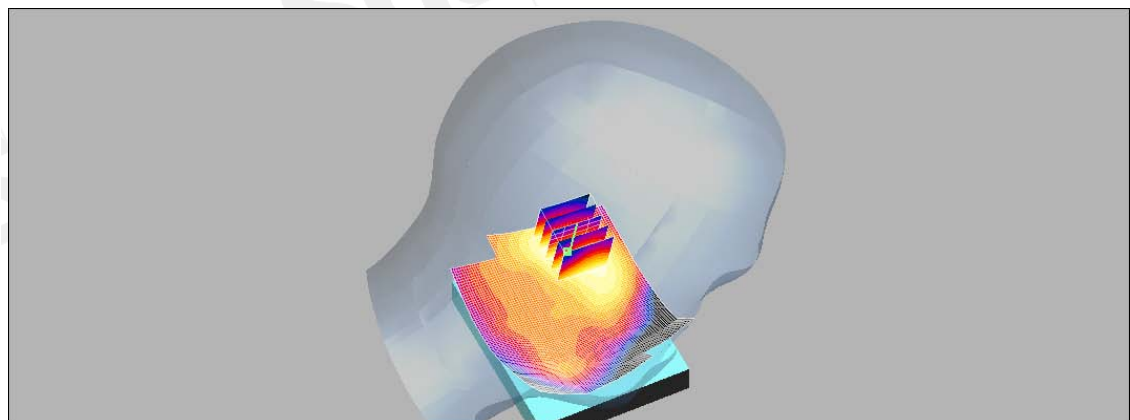
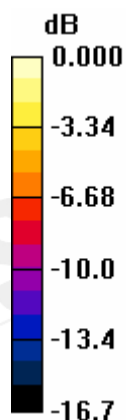
LE_Cheek/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm,
dz=5mm

Reference Value = 16.2 V/m; Power Drift = 0.011 dB

Peak SAR (extrapolated) = 0.582 W/kg

SAR(1 g) = 0.377 mW/g; SAR(10 g) = 0.235 mW/g

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



0 dB = 0.413mW/g

Date/Time: 2008/5/26 07:49:22

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LE Cheek_CH810_slider on

DUT: DREA100; IMEI:358279010024279

Communication System: GSM1900; Frequency: 1909.8 MHz; Duty Cycle: 1:8.3
Medium: Head 1900 MHz Medium parameters used: $f = 1910$ MHz; $\sigma = 1.46$ mho/m; $\epsilon_r = 41$;
 $\rho = 1000$ kg/m³
Phantom section: Left Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3526; ConvF(9.3, 9.3, 9.3); Calibrated: 2007/8/29
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2008/1/24
- Phantom: SAM1; Type: SAM 4.0; Serial: TP:1419
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

LE_Cheek/Area Scan (71x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.365 mW/g

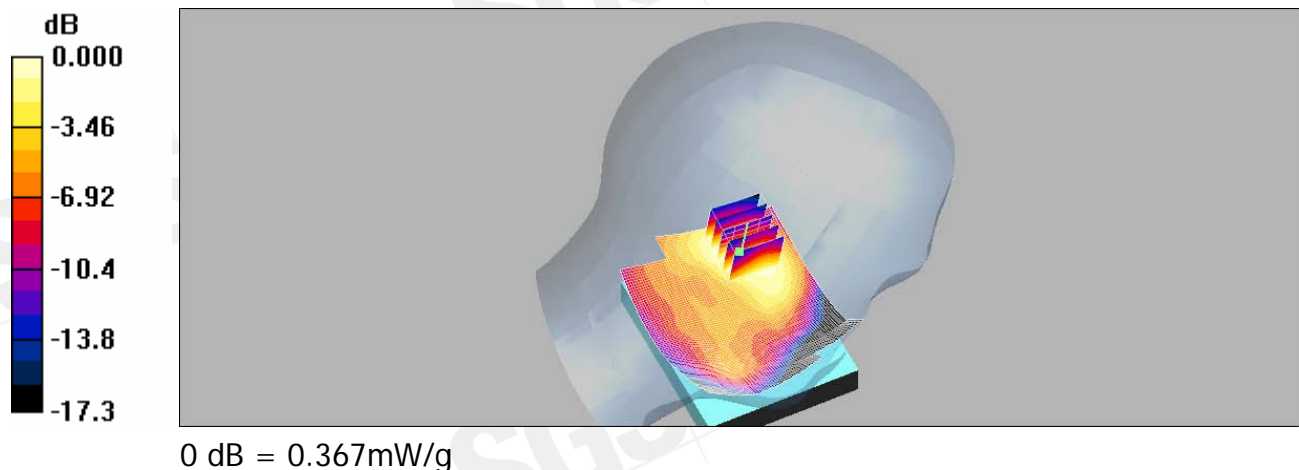
LE_Cheek/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm,
dz=5mm

Reference Value = 15.1 V/m; Power Drift = -0.023 dB

Peak SAR (extrapolated) = 0.525 W/kg

SAR(1 g) = 0.335 mW/g; SAR(10 g) = 0.207 mW/g

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



Date/Time: 2008/5/26 11:00:16

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RE Tilt_CH512_slider on

DUT: DREA100; IMEI:358279010024279

Communication System: GSM1900; Frequency: 1850.2 MHz; Duty Cycle: 1:8.3
Medium: Head 1900 MHz Medium parameters used (interpolated): $f = 1850.2$ MHz; $\sigma = 1.4$ mho/m; $\epsilon_r = 41.1$; $\rho = 1000$ kg/m³
Phantom section: Right Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3526; ConvF(9.3, 9.3, 9.3); Calibrated: 2007/8/29
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2008/1/24
- Phantom: SAM1; Type: SAM 4.0; Serial: TP:1419
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

RE_Tilt/Area Scan (71x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.723 mW/g

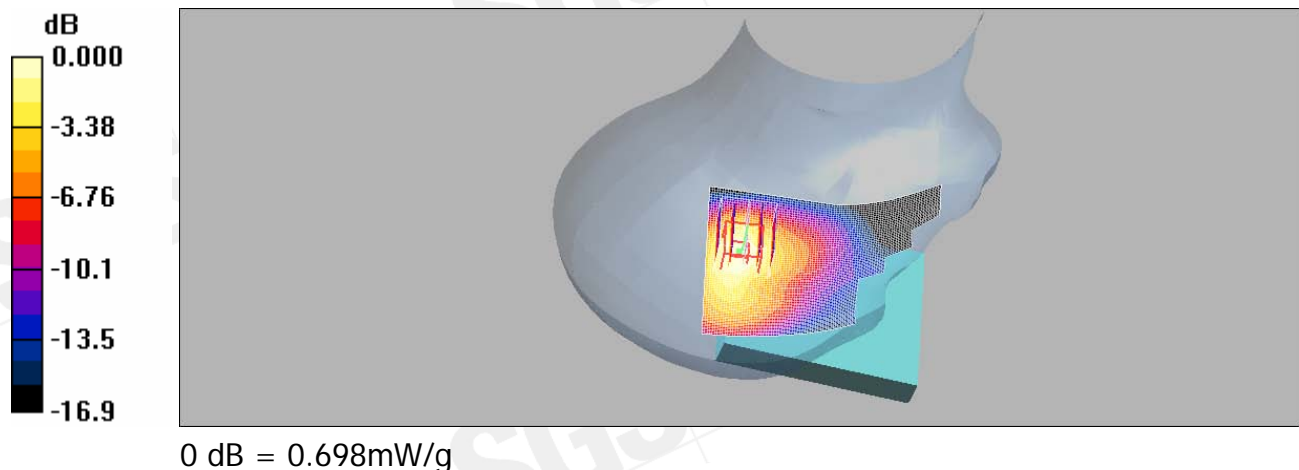
RE_Tilt/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 21.5 V/m; Power Drift = -0.019 dB

Peak SAR (extrapolated) = 1.05 W/kg

SAR(1 g) = 0.649 mW/g; SAR(10 g) = 0.382 mW/g

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



Date/Time: 2008/5/26 10:46:26

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RE Tilt_CH661_slider on

DUT: DREA100; IMEI:358279010024279

Communication System: GSM1900; Frequency: 1880 MHz; Duty Cycle: 1:8.3

Medium: Head 1900 MHz Medium parameters used: $f = 1880$ MHz; $\sigma = 1.44$ mho/m; $\epsilon_r = 41$;
 $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3526; ConvF(9.3, 9.3, 9.3); Calibrated: 2007/8/29
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2008/1/24
- Phantom: SAM1; Type: SAM 4.0; Serial: TP:1419
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

RE_Tilt/Area Scan (71x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.703 mW/g

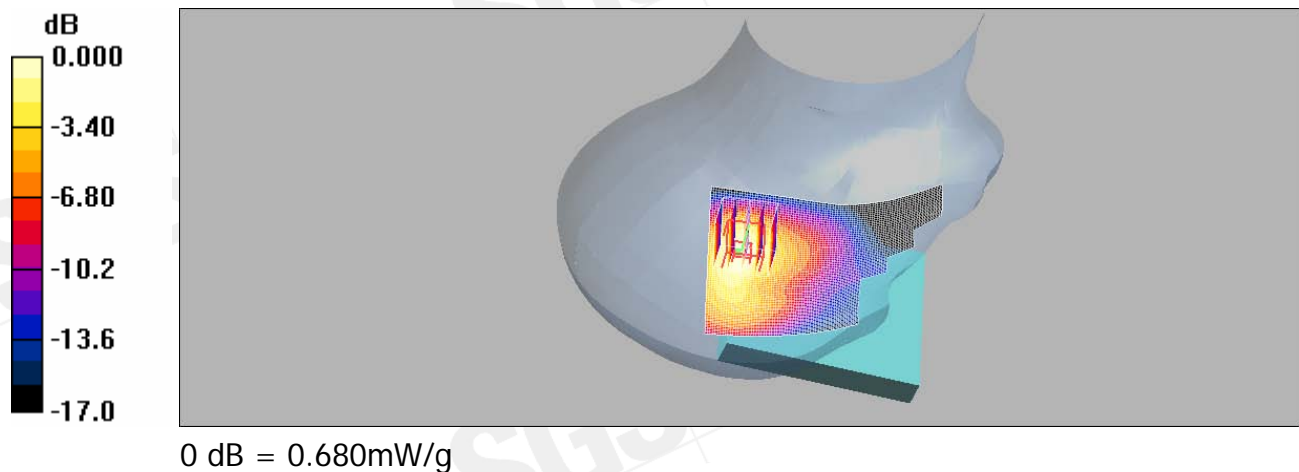
RE_Tilt/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm,
dz=5mm

Reference Value = 21.1 V/m; Power Drift = -0.092 dB

Peak SAR (extrapolated) = 1.01 W/kg

SAR(1 g) = 0.627 mW/g; SAR(10 g) = 0.367 mW/g

Maximum value of SAR (measured) = 0.680 mW/g



Date/Time: 2008/5/26 10:04:04

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RE Tilt_CH810_slider on

DUT: DREA100; IMEI:358279010024279

Communication System: GSM1900; Frequency: 1909.8 MHz; Duty Cycle: 1:8.3
Medium: Head 1900 MHz Medium parameters used: $f = 1910$ MHz; $\sigma = 1.46$ mho/m; $\epsilon_r = 41$;
 $\rho = 1000$ kg/m³
Phantom section: Right Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3526; ConvF(9.3, 9.3, 9.3); Calibrated: 2007/8/29
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2008/1/24
- Phantom: SAM1; Type: SAM 4.0; Serial: TP:1419
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

RE_Tilt/Area Scan (71x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.674 mW/g

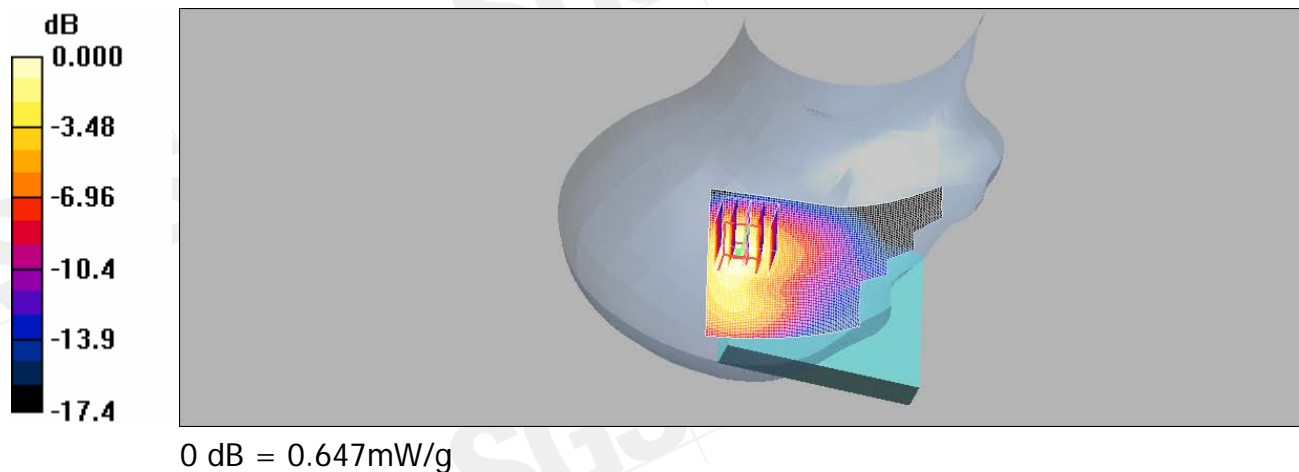
RE_Tilt/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 20.8 V/m; Power Drift = -0.005 dB

Peak SAR (extrapolated) = 0.998 W/kg

SAR(1 g) = 0.606 mW/g; SAR(10 g) = 0.348 mW/g

Maximum value of SAR (measured) = 0.647 mW/g



Date/Time: 2008/5/26 08:45:14

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LE Tilt_CH512_slider on

DUT: DREA100; IMEI:358279010024279

Communication System: GSM1900; Frequency: 1850.2 MHz; Duty Cycle: 1:8.3
Medium: Head 1900 MHz Medium parameters used (interpolated): $f = 1850.2$ MHz; $\sigma = 1.4$ mho/m; $\epsilon_r = 41.1$; $\rho = 1000$ kg/m³
Phantom section: Left Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3526; ConvF(9.3, 9.3, 9.3); Calibrated: 2007/8/29
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2008/1/24
- Phantom: SAM1; Type: SAM 4.0; Serial: TP:1419
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

LE_Tilt/Area Scan (71x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.645 mW/g

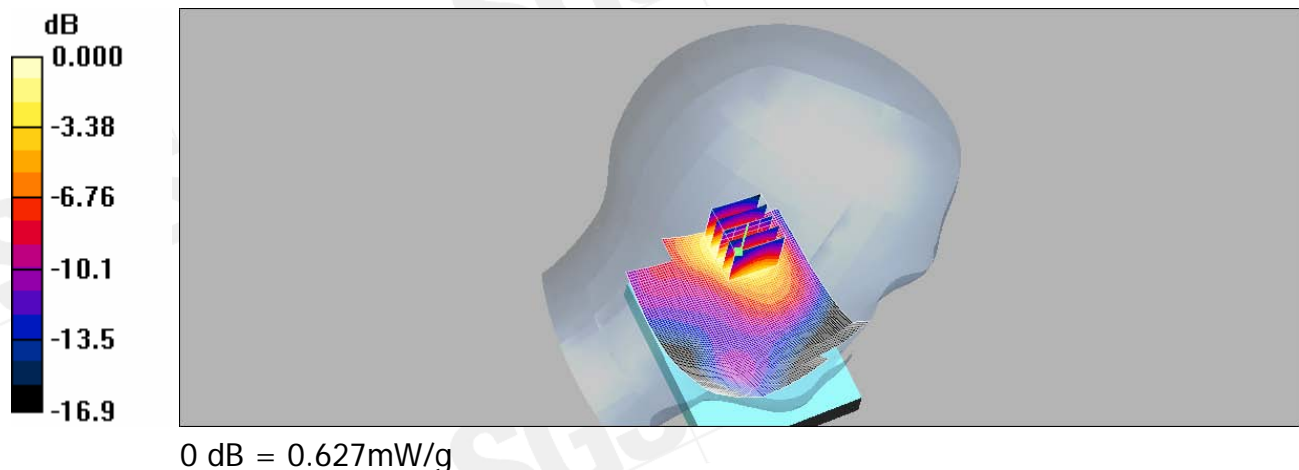
LE_Tilt/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 20.7 V/m; Power Drift = -0.048 dB

Peak SAR (extrapolated) = 0.928 W/kg

SAR(1 g) = 0.570 mW/g; SAR(10 g) = 0.333 mW/g

Maximum value of SAR (measured) = 0.627 mW/g



Date/Time: 2008/5/26 08:30:05

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LE Tilt_CH661_slider on

DUT: DREA100; IMEI:358279010024279

Communication System: GSM1900; Frequency: 1880 MHz; Duty Cycle: 1:8.3

Medium: Head 1900 MHz Medium parameters used: $f = 1880$ MHz; $\sigma = 1.44$ mho/m; $\epsilon_r = 41$;
 $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3526; ConvF(9.3, 9.3, 9.3); Calibrated: 2007/8/29
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2008/1/24
- Phantom: SAM1; Type: SAM 4.0; Serial: TP:1419
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

LE_Tilt/Area Scan (71x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.642 mW/g

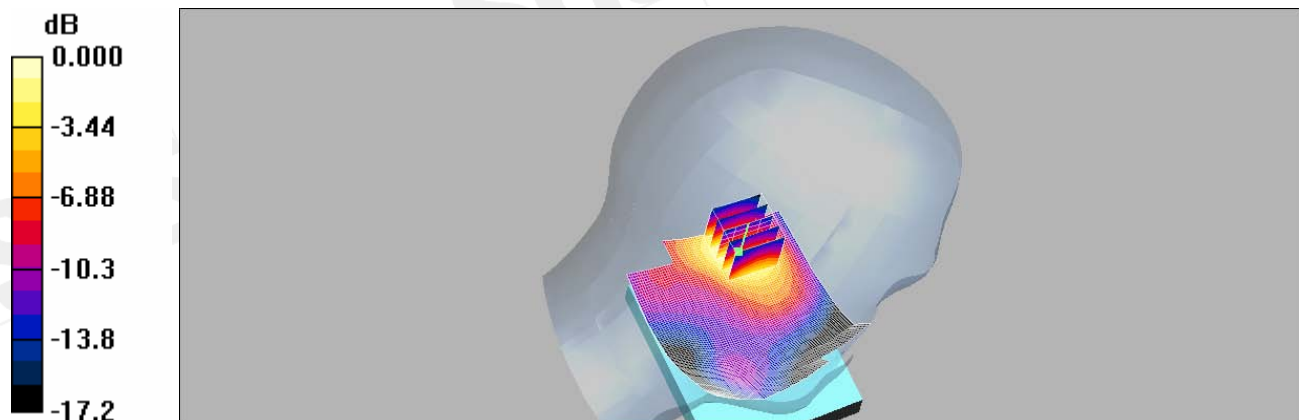
LE_Tilt/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 20.6 V/m; Power Drift = -0.044 dB

Peak SAR (extrapolated) = 0.939 W/kg

SAR(1 g) = 0.565 mW/g; SAR(10 g) = 0.328 mW/g

Maximum value of SAR (measured) = 0.620 mW/g



0 dB = 0.620mW/g

Date/Time: 2008/5/26 08:05:01

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LE Tilt_CH810_slider on

DUT: DREA100; IMEI:358279010024279

Communication System: GSM1900; Frequency: 1909.8 MHz; Duty Cycle: 1:8.3
Medium: Head 1900 MHz Medium parameters used: $f = 1910$ MHz; $\sigma = 1.46$ mho/m; $\epsilon_r = 41$;
 $\rho = 1000$ kg/m³
Phantom section: Left Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3526; ConvF(9.3, 9.3, 9.3); Calibrated: 2007/8/29
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2008/1/24
- Phantom: SAM1; Type: SAM 4.0; Serial: TP:1419
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

LE_Tilt/Area Scan (71x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.587 mW/g

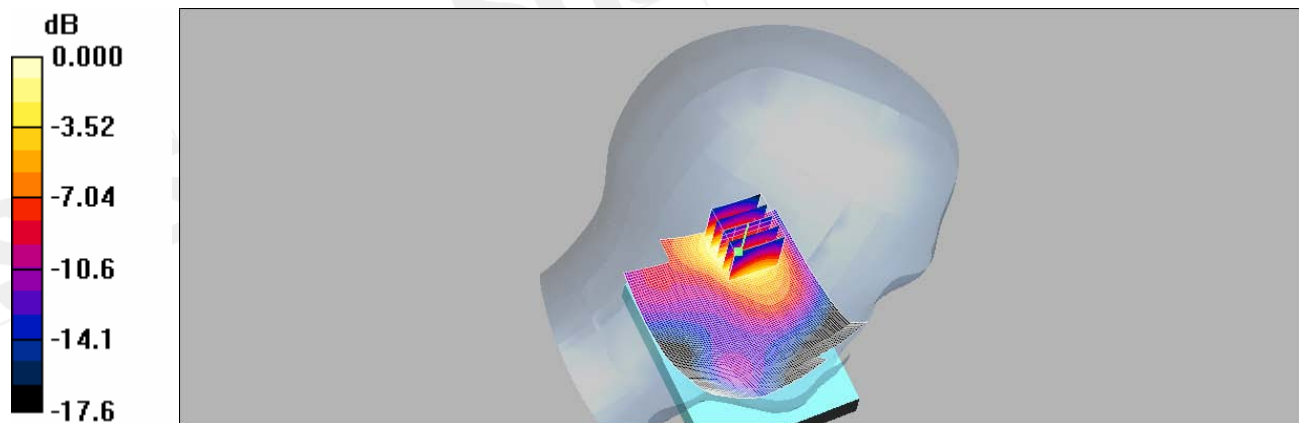
LE_Tilt/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 19.6 V/m; Power Drift = 0.002 dB

Peak SAR (extrapolated) = 0.865 W/kg

SAR(1 g) = 0.522 mW/g; SAR(10 g) = 0.300 mW/g

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



0 dB = 0.574mW/g

Date/Time: 2008/5/29 09:25:31

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BODY_CH512

DUT: DREA100;IMEI:358279010024279

Communication System: GSM1900; Frequency: 1850.2 MHz;Duty Cycle: 1:4
Medium: M1800 & 1900 Medium parameters used (interpolated): $f = 1850.2$ MHz; $\sigma = 1.53$ mho/m; $\epsilon_r = 51.4$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3526; ConvF(9.04, 9.04, 9.04); Calibrated: 2007/8/29
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2008/1/24
- Phantom: SAM1; Type: SAM 4.0; Serial: TP:1419
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

BODY/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.926 mW/g

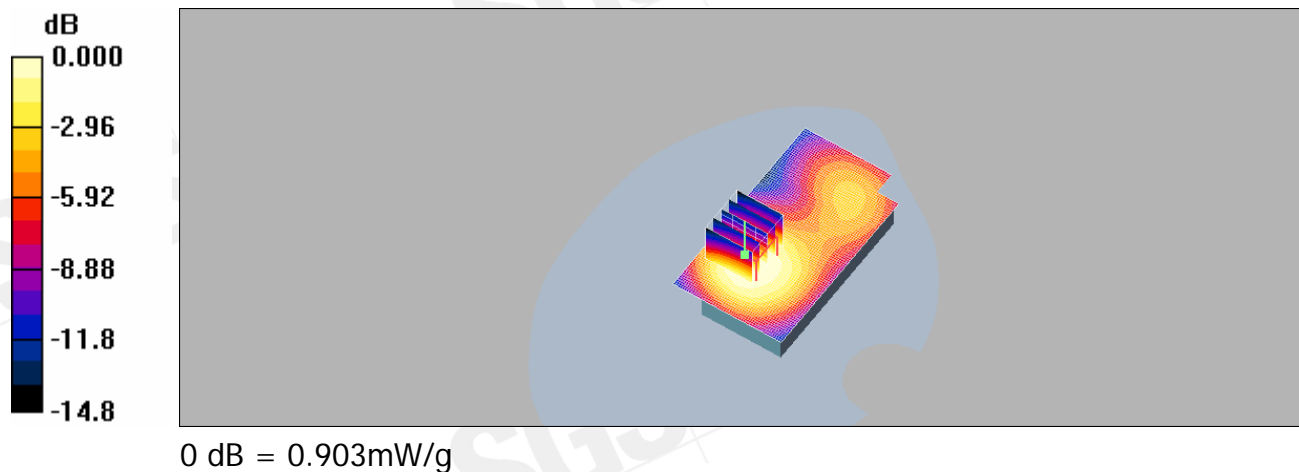
BODY/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 19.0 V/m; Power Drift = 0.040 dB

Peak SAR (extrapolated) = 1.35 W/kg

SAR(1 g) = 0.848 mW/g; SAR(10 g) = 0.532 mW/g

Maximum value of SAR (measured) = 0.903 mW/g



Date/Time: 2008/5/29 09:37:28

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BODY_CH661

DUT: DREA100;IMEI:358279010024279

Communication System: GSM1900; Frequency: 1880 MHz;Duty Cycle: 1:4
Medium: M1800 & 1900 Medium parameters used (interpolated): $f = 1880 \text{ MHz}$; $\sigma = 1.55 \text{ mho/m}$; $\epsilon_r = 51.2$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3526; ConvF(9.04, 9.04, 9.04); Calibrated: 2007/8/29
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2008/1/24
- Phantom: SAM1; Type: SAM 4.0; Serial: TP:1419
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

BODY/Area Scan (51x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (interpolated) = 0.847 mW/g

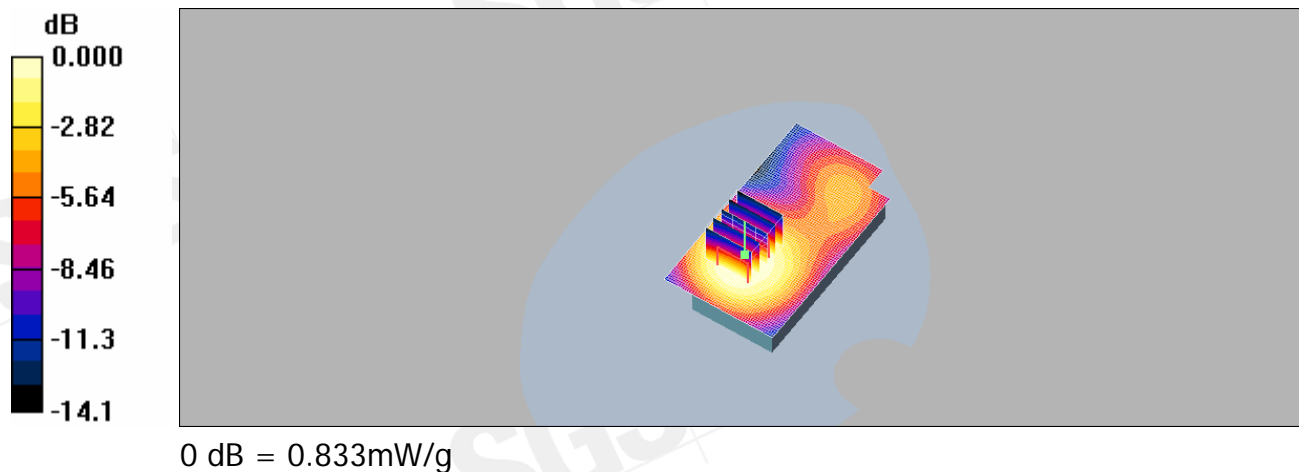
BODY/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$,
 $dz=5\text{mm}$

Reference Value = 19.5 V/m; Power Drift = -0.001 dB

Peak SAR (extrapolated) = 1.24 W/kg

SAR(1 g) = 0.775 mW/g; SAR(10 g) = 0.496 mW/g

Maximum value of SAR (measured) = 0.833 mW/g



Date/Time: 2008/5/29 09:49:13

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