SAR TEST REPORT

Equipment Under Test	PDA phone
Model No.	GENE100
FCC ID	NM8GENE
Applicant	High Tech Computer Corp.
Address of Applicant	23 Hsin Hua Rd., Taoyuan 330, Taiwan, R.O.C.
Date of Receipt	2007.02.07
Date of Test(s)	2007.02.07~2007.02.09
Date of Issue	2007.02.16

Standards:

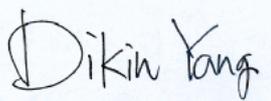## FCC OET Bulletin 65 supplement C, ANSI/IEEE C95.1 , C95.3, IEEE 1528

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.

This report may only be reproduced and distributed in full. If the product in this report is used in any configuration other than that detailed in the report, the manufacturer must ensure the new system complies with all relevant standards. Any mention of SGS Taiwan E&E Services or testing done by SGS Taiwan E&E Services in connection with distribution or use of the product described in this report must be approved by SGS Taiwan E&E Services in writing.

Tested by : LEO HSU   Date : 2007.02.16

Approved by : DIKIN YANG   Date : 2006.02.16

Contents

1. General Information

1.1 Testing Laboratory

SGS Taiwan Ltd.	
1F, No. 134, Wukung Road, Wuku industrial zone	
Taipei county, Taiwan, R.O.C.	
Telephone	+886-2-2299-3279
Fax	+886-2-2298-0488
Internet	http://www.sgs.com.tw

1.2 Details of Applicant

Name	High Tech Computer Corp.
Address	23 Hsin Hua Rd,Taoyuan 330,Taiwan
Country	Taiwan
Telephone	03-3753552
Fax	03-3753243
Contact Person	Wawii Lin
E-mail	Wawii_Lin@HTC.com.tw

1.3 Description of EUT

EUT Name	PDA phone		
Model number	GENE100		
Mode of Operation	GSM/GPRS/EDGE, Band 850/900/1800/1900		
Duty Cycle	GSM	GPRS	BlueTooth
	1/8	1/4	n/a
Modulation Mode	GSM/GPRS	EDGE	BlueTooth
	GMSK	8PSK	GFSK
Maximum RF Conducted Power(Average)	EGSM 850	GSM 1900	BlueTooth
	32.5 dBm	30.4 dBm	1.63 dBm
TX Frequency range (MHz)	EGSM 850	GSM 1900	BlueTooth
	824.2-848.8	1850-1910	2402-2480
Channel Number (ARFCN)	EGSM 850	GSM 1900	BlueTooth
	128-251	512-810	0-78
Antenna Gain	EGSM 850	GSM 1900	BlueTooth

	-3.54 ~ 2.32 dBi	0.11~1.71 dBi
Antenna Type	PIFA	
Battery Type	1. Celxpert, Model number: WIZA 16 3.7V 1250mAh Lithium-Ion 2. SANYO, Model number: WIZA 16 3.7V 1250mAh Lithium-Ion 3. TWS, Model number: GENE 160 3.7V 1250mAh Lithium-Ion	
Exposure environment	Uncontrolled exposure	
IMEI code	353533010026998	
Max. SAR Measurement value (1 g)	1.39 W/kg (Testing in Body position GSM850 GPRS mode 128 channel, with BT-active and holster & belt clip and back to flat phantom, battery model number: Celxpert WIZA 16)	

Note:
1. EGPRS mode was not measured because maximum averaged output power is more than 3 dB lower in EGPRS mode than in GPRS mode.
   (In EDGE mode, its power class level is E2 and output power less than 24dBm)

1.4 Test Environment

Ambient Temperature: 22.1° C
Tissue Simulating Liquid: 21.6° C
Relative Humidity: 62 %

1.5 Operation description

1. The EUT is controlled by using a Radio Communication Tester (Agilent 8960), 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. Testing SAR with dominant transmitter ON and co-located Bluetooth transmitter OFF to find the highest head-position SAR measurement value.
3. Testing SAR with dominant transmitter and co-located Bluetooth transmitter both ON for head-position worst case configuration.
4. For highest SAR configuration in this band repeated with SD-Card
5. Testing body-worn SAR with Headset and holster & belt clip with Bluetooth transmitter OFF by separating 1.7cm between the back of the EUT and the flat phantom in GPRS mode.

6. Testing body-worn SAR with Headset and holster & belt clip with Bluetooth transmitter OFF by separating 1.7cm between the front of the EUT and the flat phantom in GPRS mode.
7. Testing body-worn SAR with Headset and holster & belt clip with Bluetooth transmitter ON in GPRS mode at the body-worn worst case configuration.
8. For highest SAR configuration in this band repeated with SD-Card
9. For highest SAR configuration in this band repeated with other two model batteries.
10. 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

1.6 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 EX3DV4 3578-field probe is used to determine the internal electric fields. The SAR can be obtained from the equation SAR= σ $(|Ei|^2)/$ ρ where σ and ρ are the conductivity and mass density of the tissue-simulant.

The DASY4 system for performing compliance tests consists of the following items:
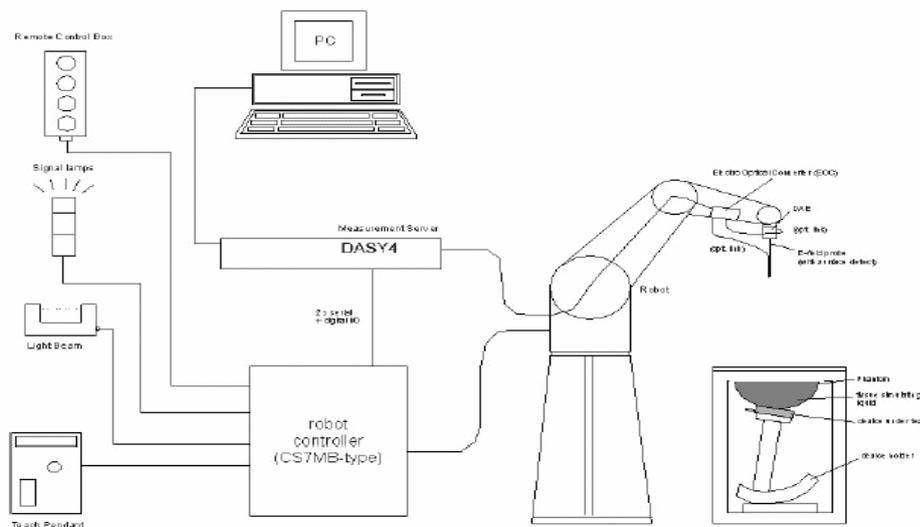
Fig. a The microwave circuit arrangement used for SAR system verification

- A standard high precision 6-axis robot (Stabile RX family) with controller, teach pendant and software. An arm extension for accommodating the data acquisition electronics (DAE).

- A dosimetric probe, i.e., an isotropic E-field probe optimized and calibrated for usage in tissue simulating liquid. The probe is equipped with an optical surface detector system.

- A data acquisition 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.
  - 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 hand-held mobile phones.
  - Tissue simulating liquid mixed according to the given recipes.
  - Validation dipole kits allowing to validate the proper functioning of the system.

1.7 System Components

EX3DV4 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 HSL 900 and HSL 1900
	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 µW/g to > 100 mW/g
	Linearity: ± 0.2 dB (noise: typically < 1 µW/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 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	
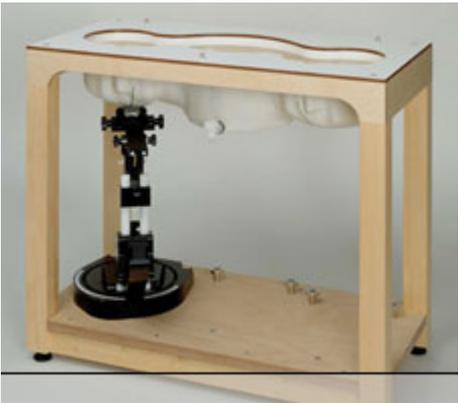
DEVICE HOLDER

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).	Device Holder

1.8 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 +/- 10% from the target SAR values. These tests were done at 850&1900 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 (SAR values are normalized to 1W forward power delivered to the dipole). During the tests, the ambient temperature of the laboratory was in the range 22.1°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.
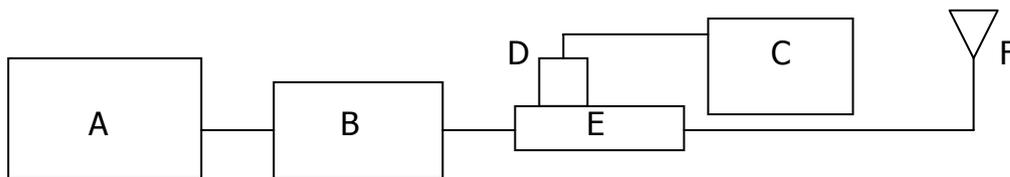
Fig.b The microwave circuit arrangement used for SAR system verification

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 Dual directional coupling
F. Reference dipole antenna
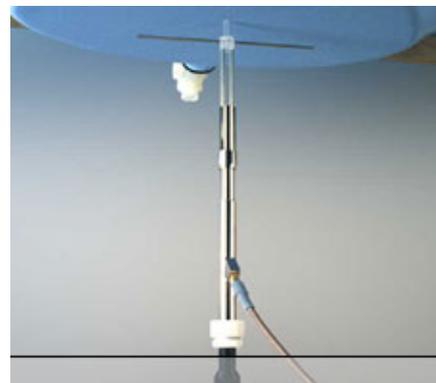
Photograph of the dipole Antenna

Validation Kit	Frequency (Hz)	Target SAR(1g) (Pin=250mW)	Target SAR(10g) (Pin=250mW)	Measured SAR(1g)	Measured SAR(10g)	Measured Date
D900V2 S/N: 168	900 MHz (Head)	2.67 m W/g	1.71 m W/g	2.65 m W/g	1.69 m W/g	2007-02-08
	900 MHz (Body)	2.68 m W/g	1.76 m W/g	2.59 m W/g	1.68 m W/g	2007-02-09
D1900V2 S/N: 5d027	1900 MHz (Head)	9.97 m W/g	5.25 m W/g	10.4 m W/g	5.35 m W/g	2007-02-07
	1900 MHz (Body)	10.3 m W/g	5.5 m W/g	9.61 m W/g	4.99 m W/g	2007-02-08

Table 1. Results system validation

1.9 Tissue Simulant Fluid for the Frequency Band

The dielectric properties for this body-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-6000 MHz) by using a procedure detailed in Section V.

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

Frequency (MHz)	Tissue type	Measurement date/ Limits	Dielectric Parameters		
			ρ	Σ (S/m)	Simulated Tissue Temperature(° C)
900	Head	Measured, 2007.02.08	42.2	0.987	21.7
		Recommended Limits	39.2-43.8	0.86-1.06	20-24
	Body	Measured, 2007.02.09	53.2	0.994	21.6
		Recommended Limits	52.1-58.1	0.92-1.12	20-24
1900	Head	Measured, 2007.02.07	38.5	1.38	21.6
		Recommended Limits	38-42.1	1.33-1.47	20-24
	Body	Measured, 2007.02.08	53.7	1.46	21.6
		Recommended Limits	50.6-56.2	1.44-1.60	20-24

Table 2. Dielectric Parameters of Tissue Simulant Fluid

The composition of the brain tissue simulating liquid for 900 & 1900 MHz is:

Ingredient	900Mhz(Head)	900Mhz(Body)	1900Mhz(Head)	1900Mhz(Body)
DGMBE	X	X	444.52 g	300.67
Water	532.98 g	632.68	552.42 g	716.56
Sale	18.3 g	11.72	3.06 g	4.0
Preventol D-7	2.4 g	1.2	X	X
Cellulose	3.2 g	X	X	X
Sugar	766.0 g	600 g	X	X
Total amount	1 L (1.0kg)	1 L (1.0kg)	1 L (1.0kg)	1 L (1.0kg)

Table 3. Recipes for tissue simulating liquid

1.10 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). 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 .4)

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 .4 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.

2.Summary of Results

GSM 850 MHZ

Right Head (Cheek Position)

Frequency	Channel	MHz	Conducted Output Power(Peak)	Measured(W/kg) 1g	Amb. Temp[°C]	Liquid Temp[°C]
850 MHz	128	824.2	32.3dbm	0.32	22	21.6
	190	836.6	32.5dbm	0.431	22	21.6
	251	848.8	32.4dbm	0.385	22	21.6

Left Head (Cheek Position)

Frequency	Channel	MHz	Conducted Output Power(Peak)	Measured(W/kg) 1g	Amb. Temp[°C]	Liquid Temp[°C]
850 MHz	128	824.2	32.3dbm	0.327	22	21.6
	190	836.6	32.5dbm	0.435	22	21.6
	251	848.8	32.4dbm	0.385	22	21.6

Right Head (15° Tilt Position)

Frequency	Channel	MHz	Conducted Output Power(Peak)	Measured(W/kg) 1g	Amb. Temp[°C]	Liquid Temp[°C]
850 MHz	128	824.2	32.3dbm	0.240	22	21.6
	190	836.6	32.5dbm	0.326	22	21.6
	251	848.8	32.4dbm	0.279	22	21.6

Left Head (15° Tilt Position)

Frequency	Channel	MHz	Conducted Output Power(Peak)	Measured(W/kg) 1g	Amb. Temp[°C]	Liquid Temp[°C]
850 MHz	128	824.2	32.3dbm	0.221	22	21.6
	190	836.6	32.5dbm	0.303	22	21.6
	251	848.8	32.4dbm	0.262	22	21.6

Left Head (Cheek Position)-With Micro-SD Memory Card

Frequency	Channel	MHz	Conducted Output Power(Peak)	Measured(W/kg) 1g	Amb. Temp[°C]	Liquid Temp[°C]
850 MHz	190	836.6	32.5dbm	0.356	22	21.6

Left Head (Cheek Position)-With Bluetooth-Active

Frequency	Channel	MHz	Conducted Output Power(Peak)	Measured(W/kg) 1g	Amb. Temp[°C]	Liquid Temp[°C]
850 MHz	190	836.6	32.5dbm	0.448	22	21.6

Body Worn-EUT back to phantom (Testing in GPRS MODE)–With Headset

Frequency	Channel	MHz	Conducted Output Power(Peak)	Measured(W/kg) 1g	Amb. Temp[°C]	Liquid Temp[°C]
850 MHz	128	824.2	32.3dbm	1.32	22	21.6
	190	836.6	32.5dbm	1.24	22	21.6
	251	848.8	32.4dbm	1.02	22	21.6

Body Worn-EUT front to phantom (Testing in GPRS MODE)–With Headset

Frequency	Channel	MHz	Conducted Output Power(Peak)	Measured(W/kg) 1g	Amb. Temp[˚C]	Liquid Temp[˚C]
850 MHz	128	824.2	32.3dbm	0.591	22	21.6

Body Worn-EUT back to phantom (Testing in GPRS MODE)-with memory card

Frequency	Channel	MHz	Conducted Output Power(Peak)	Measured(W/kg) 1g	Amb. Temp[˚C]	Liquid Temp[˚C]
850 MHz	128	824.2	32.3dbm	1.04	22	21.6

Body Worn-EUT back to phantom (Testing in GPRS MODE)-With Bluetooth-Active

Frequency	Channel	MHz	Conducted Output Power(Peak)	Measured(W/kg) 1g	Amb. Temp[˚C]	Liquid Temp[˚C]
850 MHz	128	824.2	32.3dbm	1.39	22	21.6

Body Worn-EUT back to phantom (Testing in GPRS MODE)-With SANYO Battery

Frequency	Channel	MHz	Conducted Output Power(Peak)	Measured(W/kg) 1g	Amb. Temp[˚C]	Liquid Temp[˚C]
850 MHz	128	824.2	32.3dbm	1.26	22	21.6

Body Worn-EUT back to phantom (Testing in GPRS MODE)-With TWS Battery

Frequency	Channel	MHz	Conducted Output Power(Peak)	Measured(W/kg) 1g	Amb. Temp[˚C]	Liquid Temp[˚C]
850 MHz	128	824.2	32.3dbm	1.24	22	21.6

GSM 1900 MHZ

Right Head (Cheek Position)

Frequency	Channel	MHz	Conducted Output Power(Peak)	Measured(W/kg) 1g	Amb. Temp[°C]	Liquid Temp[°C]
1900 MHz	512	1850.2	30.4dbm	0.251	22.1	21.6
	661	1880	30.0dbm	0.210	22.1	21.6
	810	1909.8	30.0dbm	0.249	22.1	21.6

Left Head (Cheek Position)

Frequency	Channel	MHz	Conducted Output Power(Peak)	Measured(W/kg) 1g/10g	Amb. Temp[°C]	Liquid Temp[°C]
1900 MHz	512	1850.2	30.4dbm	0.255	22	21.6
	661	1880	30.0dbm	0.216	22	21.6
	810	1909.8	30.0dbm	0.255	22	21.6

Right Head (15° Tilt Position)

Frequency	Channel	MHz	Conducted Output Power(Peak)	Measured(W/kg) 1g	Amb. Temp[°C]	Liquid Temp[°C]
1900 MHz	512	1850.2	30.4dbm	0.269	22	21.6
	661	1880	30.0dbm	0.226	22	21.6
	810	1909.8	30.0dbm	0.279	22	21.6

Left Head (15° Tilt Position)

Frequency	Channel	MHz	Conducted Output Power(Peak)	Measured(W/kg) 1g	Amb. Temp[°C]	Liquid Temp[°C]
1900 MHz	512	1850.2	30.4dbm	0.319	22	21.6
	661	1880	30.0dbm	0.259	22	21.6
	810	1909.8	30.0dbm	0.310	22	21.6

Body Worn-EUT back to phantom (Testing in GPRS MODE)

Frequency	Channel	MHz	Conducted Output Power(Peak)	Measured(W/kg) 1g	Amb. Temp[°C]	Liquid Temp[°C]
1900 MHz	512	1850.2	30.4dbm	0.324	22	21.6
	661	1880	30.0dbm	0.294	22	21.6
	810	1909.8	30.0dbm	0.285	22	21.6

3. Instruments List

Manufacturer	Device	Type	Serial number	Date of last calibration
Schmid & Partner Engineering AG	Dosimetric E-Field Probe	EX3DV4	3578	Mar.20.2006
Schmid & Partner Engineering AG	900/1900 MHz System Validation Dipole	D900V2 D1900V2	168 5d027	Mar.01.2006 Mar.21.2006
Schmid & Partner Engineering AG	Data acquisition Electronics	DAE4	679	Mar.21.2006
Schmid & Partner Engineering AG	Software	DASY 4 V4.7 Build 53	N/A	Calibration isn't necessary
Schmid & Partner Engineering AG	Phantom	SAM	N/A	Calibration isn't necessary
Agilent	Network Analyzer	8753D	3410A05547	Nov.16.2006
Agilent	Dielectric Probe Kit	85070D	US01440168	Calibration isn't necessary
Agilent	Dual-directional coupler	778D	50313	Sep.01.2006
Agilent	RF Signal Generator	8648D	3847M00432	May.04.2006
Agilent	Power Sensor	8481H	MY41091361	May.27.2006
Agilent	8960 Series 10 Wireless Communication Tester	8960	GB44051912	Nov.28.2006

4.Measurements

REC CH128   Date/Time: 2007/2/8 14:24:52

DUT: HTC Gene 100; Type: GSM 900; Serial: 353533010026998

Communication System: GSM 850; Frequency: 824.2 MHz;Duty Cycle: 1:8.3
Medium: Head 850 MHz Medium parameters used (interpolated): f = 824.2 MHz; σ = 0.864 mho/m; ε_r = 42.6; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3578; ConvF(8.38, 8.38, 8.38); Calibrated: 2006/3/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn679; Calibrated: DAE not calibrated
- Phantom: SAM 12; Type: SAM 4.0; Serial: TP:1150
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

RE_Cheek/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.338 mW/g

RE_Cheek/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 15.5 V/m; Power Drift = 0.039 dB
Peak SAR (extrapolated) = 0.434 W/kg

SAR(1 g) = 0.320 mW/g; SAR(10 g) = 0.232 mW/g
Maximum value of SAR (measured) = 0.339 mW/g

0 dB = 0.339mW/g

REC CH190

DUT: HTC Gene 100; Type: GSM 900; Serial: 353533010026998

Communication System: GSM 850; Frequency: 836.6 MHz;Duty Cycle: 1:8.3
Medium: Head 850 MHz Medium parameters used (interpolated): f = 836.6 MHz; σ = 0.863 mho/m; ε_r = 42.4; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3578; ConvF(8.38, 8.38, 8.38); Calibrated: 2006/3/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn679; Calibrated: DAE not calibrated
- Phantom: SAM 12; Type: SAM 4.0; Serial: TP:1150
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

RE_Cheek/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.465 mW/g

RE_Cheek/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 18.0 V/m; Power Drift = 0.015 dB
Peak SAR (extrapolated) = 0.595 W/kg

SAR(1 g) = 0.431 mW/g; SAR(10 g) = 0.314 mW/g
Maximum value of SAR (measured) = 0.457 mW/g
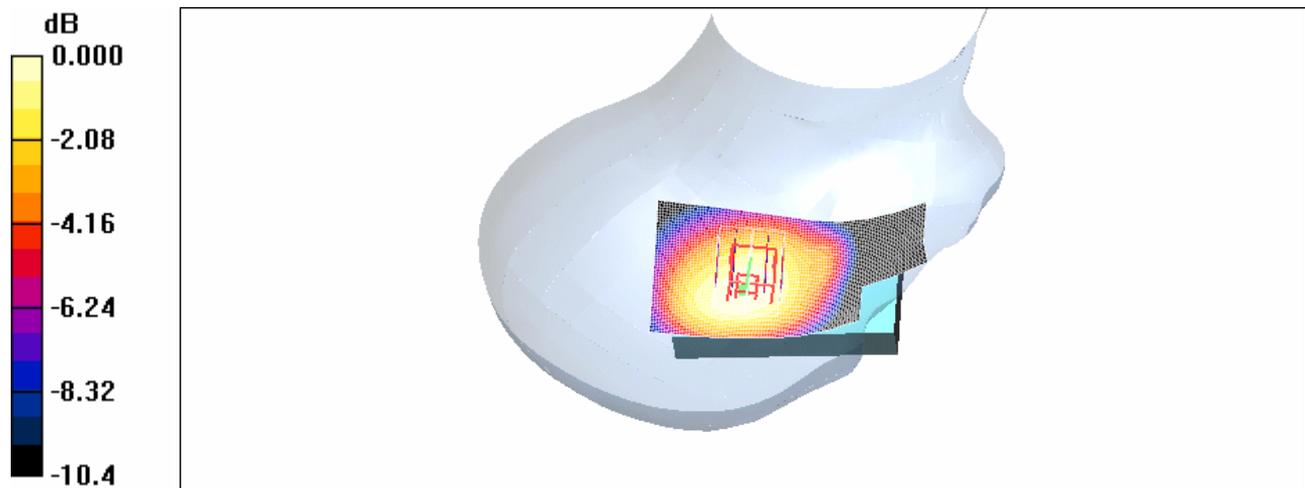
0 dB = 0.457mW/g

REC CH251

DUT: HTC Gene 100; Type: GSM 900; Serial: 353533010026998

Communication System: GSM 850; Frequency: 848.8 MHz;Duty Cycle: 1:8.3
Medium: Head 850 MHz Medium parameters used (interpolated): f = 848.8 MHz; σ = 0.891 mho/m; ε_r = 41.9; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3578; ConvF(8.38, 8.38, 8.38); Calibrated: 2006/3/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn679; Calibrated: DAE not calibrated
- Phantom: SAM 12; Type: SAM 4.0; Serial: TP:1150
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

RE_Cheek/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm
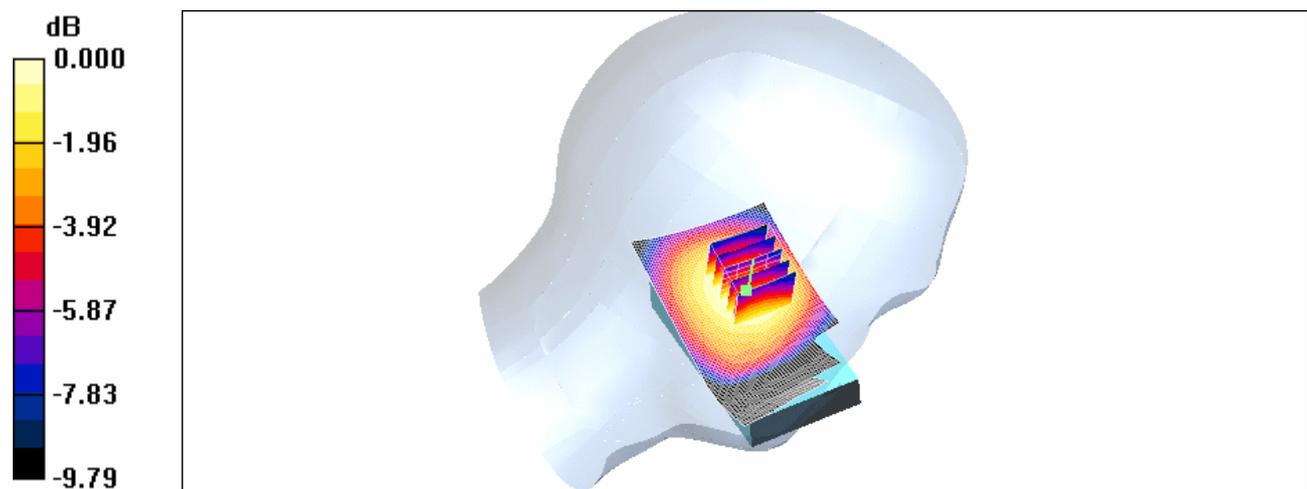
Maximum value of SAR (interpolated) = 0.412 mW/g

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

Reference Value = 16.6 V/m; Power Drift = 0.000 dB
Peak SAR (extrapolated) = 0.523 W/kg

SAR(1 g) = 0.385 mW/g; SAR(10 g) = 0.279 mW/g

Maximum value of SAR (measured) = 0.407 mW/g
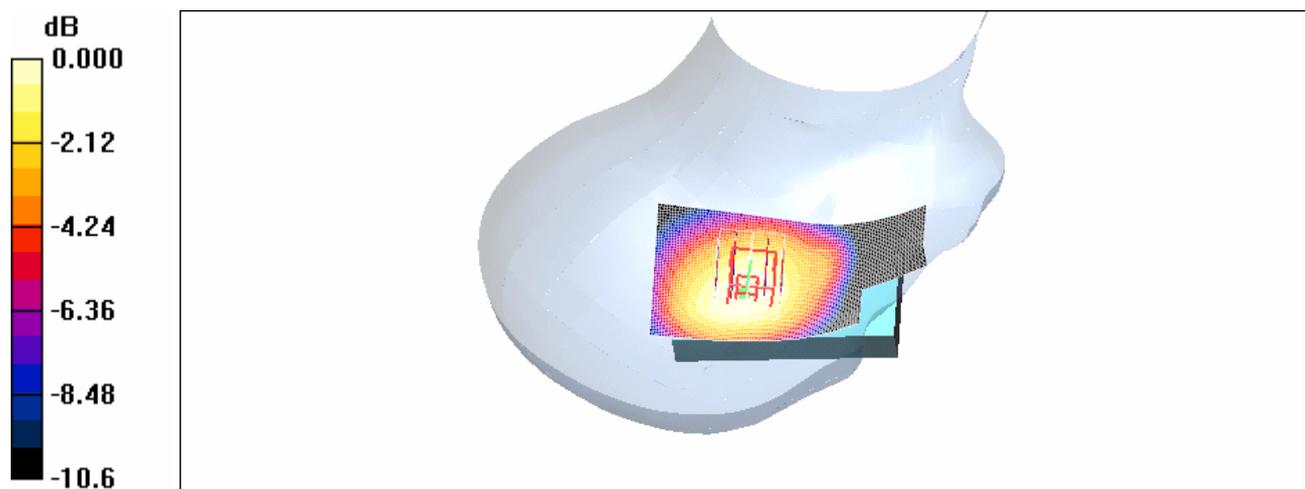
0 dB = 0.407mW/g

LEC CH128

DUT: HTC Gene 100; Type: GSM 900; Serial: 353533010026998

Communication System: GSM 850; Frequency: 824.2 MHz;Duty Cycle: 1:8.3
Medium: Head 850 MHz Medium parameters used (interpolated): f = 824.2 MHz; σ = 0.864 mho/m; ε_r = 42.6; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3578; ConvF(8.38, 8.38, 8.38); Calibrated: 2006/3/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn679; Calibrated: DAE not calibrated
- Phantom: SAM 12; Type: SAM 4.0; Serial: TP:1150
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

LE_Cheek/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm
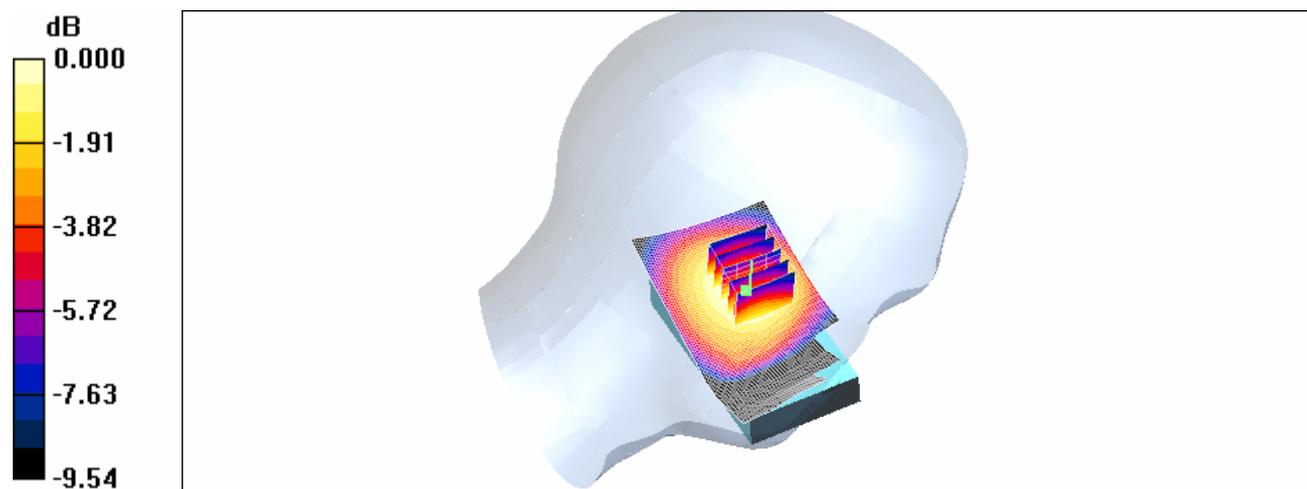Maximum value of SAR (interpolated) = 0.350 mW/g

LE_Cheek/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 16.7 V/m; Power Drift = -0.141 dB
Peak SAR (extrapolated) = 0.418 W/kg

SAR(1 g) = 0.327 mW/g; SAR(10 g) = 0.245 mW/g
Maximum value of SAR (measured) = 0.348 mW/g

0 dB = 0.348mW/g

LEC CH190

DUT: HTC Gene 100; Type: GSM 900; Serial: 353533010026998

Communication System: GSM 850; Frequency: 836.6 MHz;Duty Cycle: 1:8.3
Medium: Head 850 MHz Medium parameters used (interpolated): f = 836.6 MHz; σ = 0.863 mho/m; ε_r = 42.4; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3578; ConvF(8.38, 8.38, 8.38); Calibrated: 2006/3/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn679; Calibrated: DAE not calibrated
- Phantom: SAM 12; Type: SAM 4.0; Serial: TP:1150
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

LE_Cheek/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm

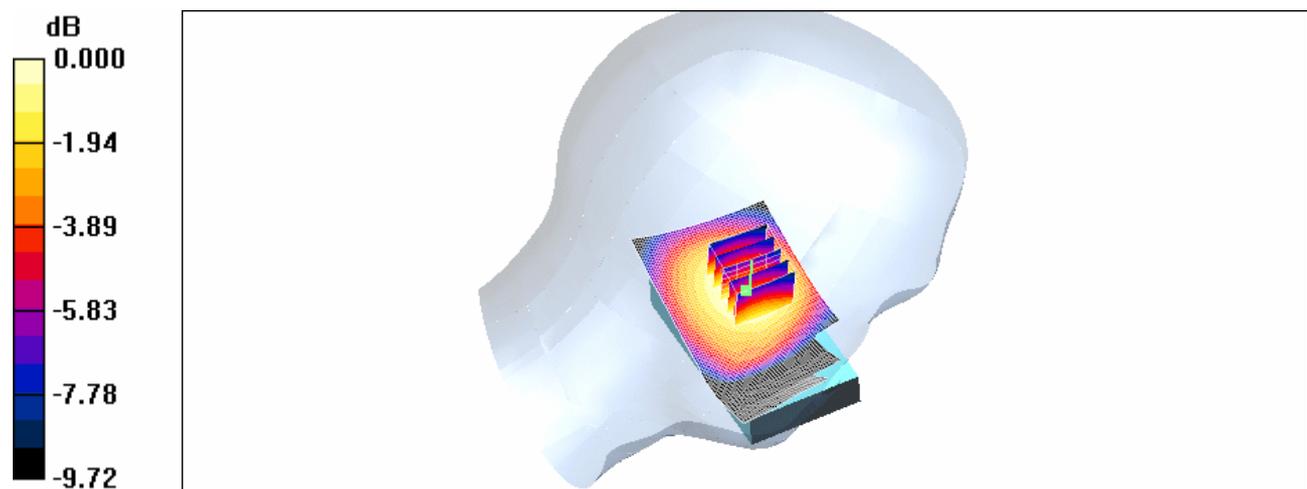Maximum value of SAR (interpolated) = 0.463 mW/g

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

Reference Value = 19.0 V/m; Power Drift = 0.016 dB
Peak SAR (extrapolated) = 0.557 W/kg

SAR(1 g) = 0.435 mW/g; SAR(10 g) = 0.326 mW/g

Maximum value of SAR (measured) = 0.457 mW/g

0 dB = 0.457mW/g

LEC CH251

DUT: HTC Gene 100; Type: GSM 900; Serial: 353533010026998

Communication System: GSM 850; Frequency: 848.8 MHz;Duty Cycle: 1:8.3
Medium: Head 850 MHz Medium parameters used (interpolated): f = 848.8 MHz; σ = 0.891 mho/m; ε_r = 41.9; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3578; ConvF(8.38, 8.38, 8.38); Calibrated: 2006/3/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn679; Calibrated: DAE not calibrated
- Phantom: SAM 12; Type: SAM 4.0; Serial: TP:1150
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

LE_Cheek/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm
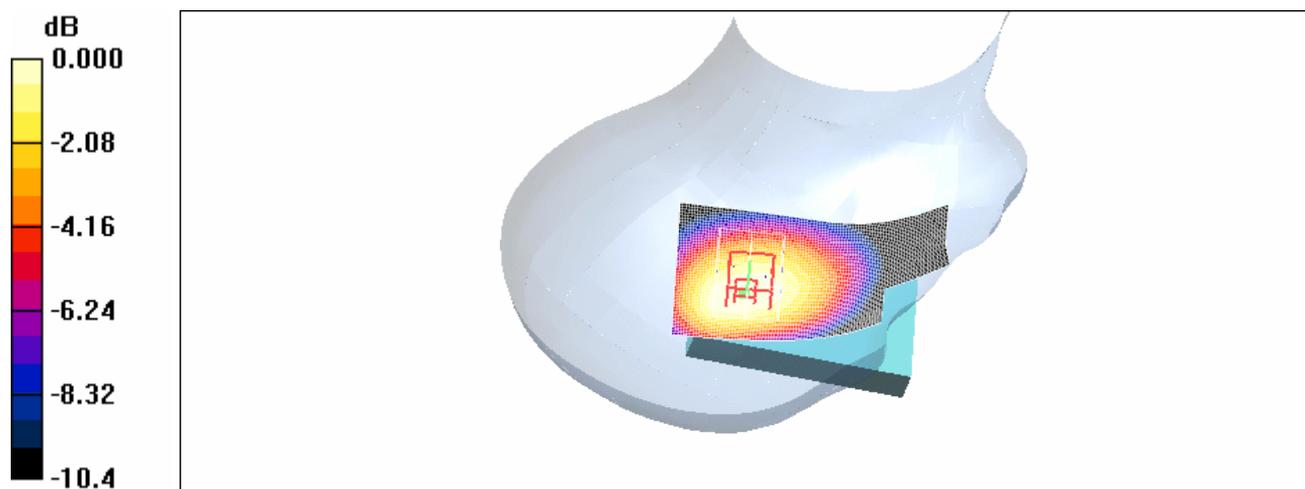Maximum value of SAR (interpolated) = 0.408 mW/g

LE_Cheek/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 17.2 V/m; Power Drift = 0.047 dB
Peak SAR (extrapolated) = 0.498 W/kg

SAR(1 g) = 0.385 mW/g; SAR(10 g) = 0.288 mW/g
Maximum value of SAR (measured) = 0.406 mW/g

0 dB = 0.406mW/g

RET CH128

DUT: HTC Gene 100; Type: GSM 900; Serial: 353533010026998

Communication System: GSM 850; Frequency: 824.2 MHz;Duty Cycle: 1:8.3
Medium: Head 850 MHz Medium parameters used (interpolated): f = 824.2 MHz; σ = 0.864 mho/m; ε_r = 42.6; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3578; ConvF(8.38, 8.38, 8.38); Calibrated: 2006/3/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn679; Calibrated: DAE not calibrated
- Phantom: SAM 12; Type: SAM 4.0; Serial: TP:1150
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

RE_Tilt/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm
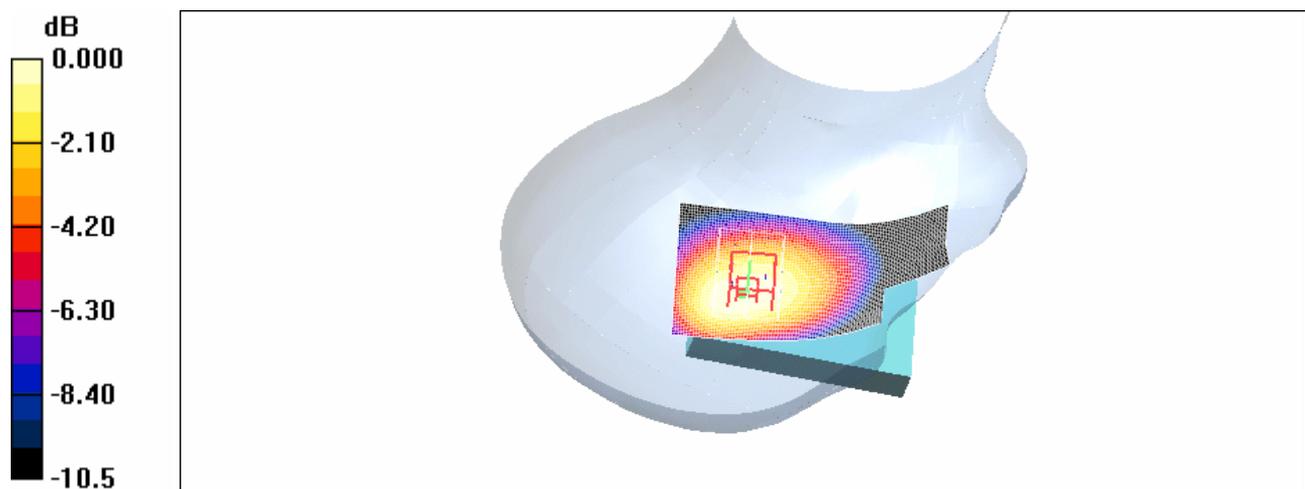Maximum value of SAR (interpolated) = 0.257 mW/g

RE_Tilt/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 15.3 V/m; Power Drift = -0.013 dB
Peak SAR (extrapolated) = 0.325 W/kg

SAR(1 g) = 0.240 mW/g; SAR(10 g) = 0.171 mW/g
Maximum value of SAR (measured) = 0.253 mW/g

0 dB = 0.253mW/g

RET CH190

DUT: HTC Gene 100; Type: GSM 900; Serial: 353533010026998

Communication System: GSM 850; Frequency: 836.6 MHz;Duty Cycle: 1:8.3
Medium: Head 850 MHz Medium parameters used (interpolated): f = 836.6 MHz; σ = 0.863 mho/m; ε_r = 42.4; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3578; ConvF(8.38, 8.38, 8.38); Calibrated: 2006/3/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn679; Calibrated: DAE not calibrated
- Phantom: SAM 12; Type: SAM 4.0; Serial: TP:1150
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

RE_Tilt/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm
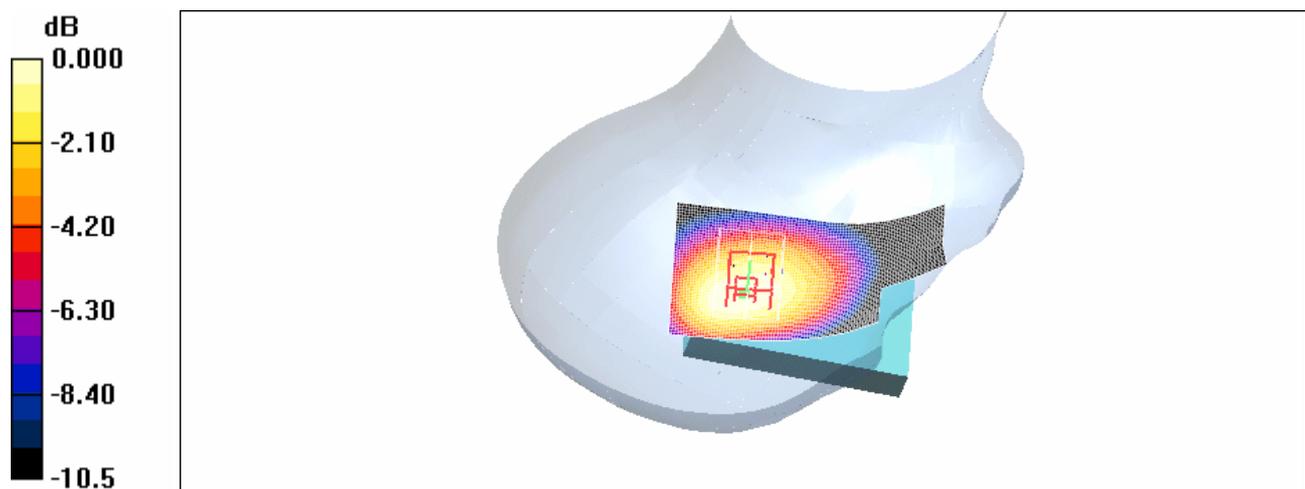Maximum value of SAR (interpolated) = 0.346 mW/g

RE_Tilt/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 17.7 V/m; Power Drift = 0.028 dB
Peak SAR (extrapolated) = 0.441 W/kg

SAR(1 g) = 0.326 mW/g; SAR(10 g) = 0.233 mW/g
Maximum value of SAR (measured) = 0.346 mW/g

0 dB = 0.346mW/g

RET CH251

DUT: HTC Gene 100; Type: GSM 900; Serial: 353533010026998

Communication System: GSM 850; Frequency: 848.8 MHz;Duty Cycle: 1:8.3
Medium: Head 850 MHz Medium parameters used (interpolated): f = 848.8 MHz; σ = 0.891 mho/m; ε_r = 41.9; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3578; ConvF(8.38, 8.38, 8.38); Calibrated: 2006/3/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn679; Calibrated: DAE not calibrated
- Phantom: SAM 12; Type: SAM 4.0; Serial: TP:1150
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

RE_Tilt/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm
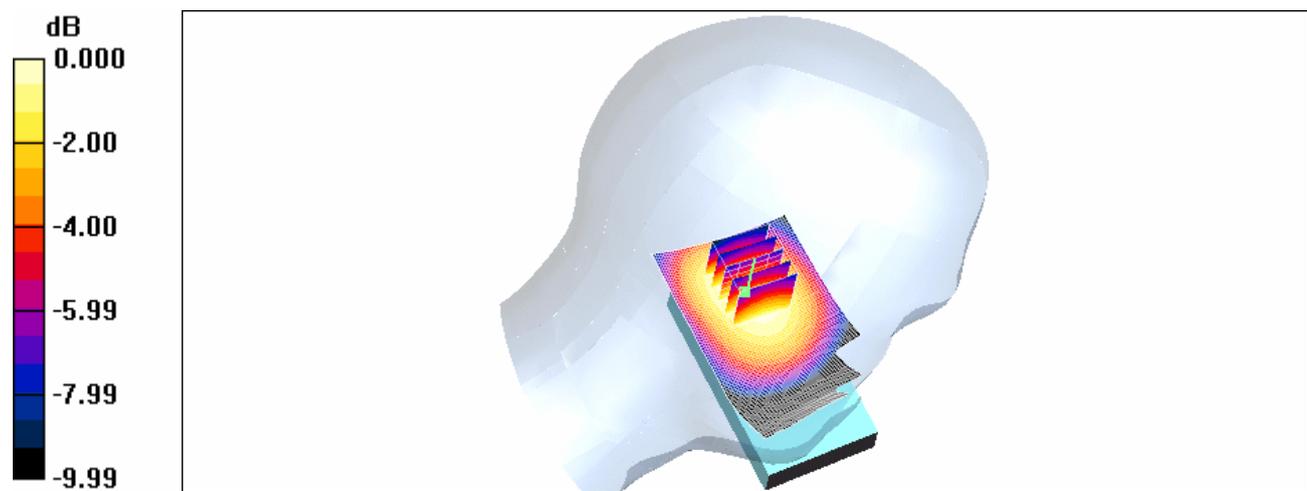Maximum value of SAR (interpolated) = 0.294 mW/g

RE_Tilt/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 16.0 V/m; Power Drift = 0.055 dB
Peak SAR (extrapolated) = 0.380 W/kg

SAR(1 g) = 0.279 mW/g; SAR(10 g) = 0.199 mW/g
Maximum value of SAR (measured) = 0.295 mW/g

0 dB = 0.295mW/g

LET CH128

DUT: HTC Gene 100; Type: GSM 900; Serial: 353533010026998

Communication System: GSM 850; Frequency: 824.2 MHz;Duty Cycle: 1:8.3
Medium: Head 850 MHz Medium parameters used (interpolated): f = 824.2 MHz; σ = 0.864 mho/m; ε_r = 42.6; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3578; ConvF(8.38, 8.38, 8.38); Calibrated: 2006/3/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn679; Calibrated: DAE not calibrated
- Phantom: SAM 12; Type: SAM 4.0; Serial: TP:1150
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

LE_Tilt/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.231 mW/g

LE_Tilt/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 15.6 V/m; Power Drift = 0.009 dB
Peak SAR (extrapolated) = 0.271 W/kg

SAR(1 g) = 0.221 mW/g; SAR(10 g) = 0.166 mW/g
Maximum value of SAR (measured) = 0.232 mW/g

0 dB = 0.232mW/g

LET CH190

DUT: HTC Gene 100; Type: GSM 900; Serial: 353533010026998

Communication System: GSM 850; Frequency: 836.6 MHz;Duty Cycle: 1:8.3
Medium: Head 850 MHz Medium parameters used (interpolated): f = 836.6 MHz; σ = 0.863 mho/m; ε_r = 42.4; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3578; ConvF(8.38, 8.38, 8.38); Calibrated: 2006/3/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn679; Calibrated: DAE not calibrated
- Phantom: SAM 12; Type: SAM 4.0; Serial: TP:1150
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

LE_Tilt/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm
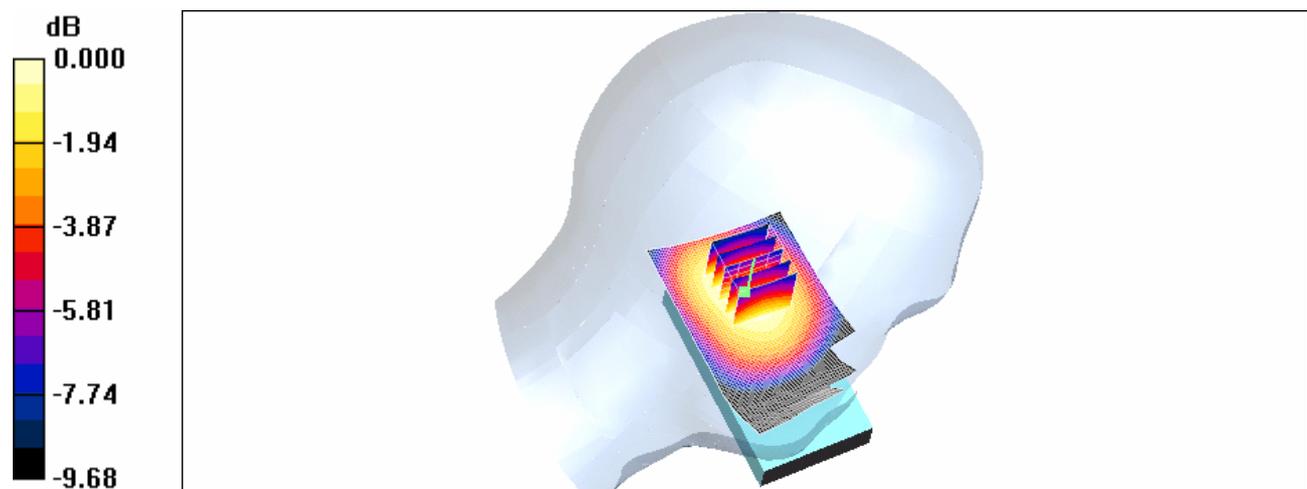Maximum value of SAR (interpolated) = 0.319 mW/g

LE_Tilt/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 18.2 V/m; Power Drift = 0.016 dB
Peak SAR (extrapolated) = 0.375 W/kg

SAR(1 g) = 0.303 mW/g; SAR(10 g) = 0.227 mW/g
Maximum value of SAR (measured) = 0.318 mW/g
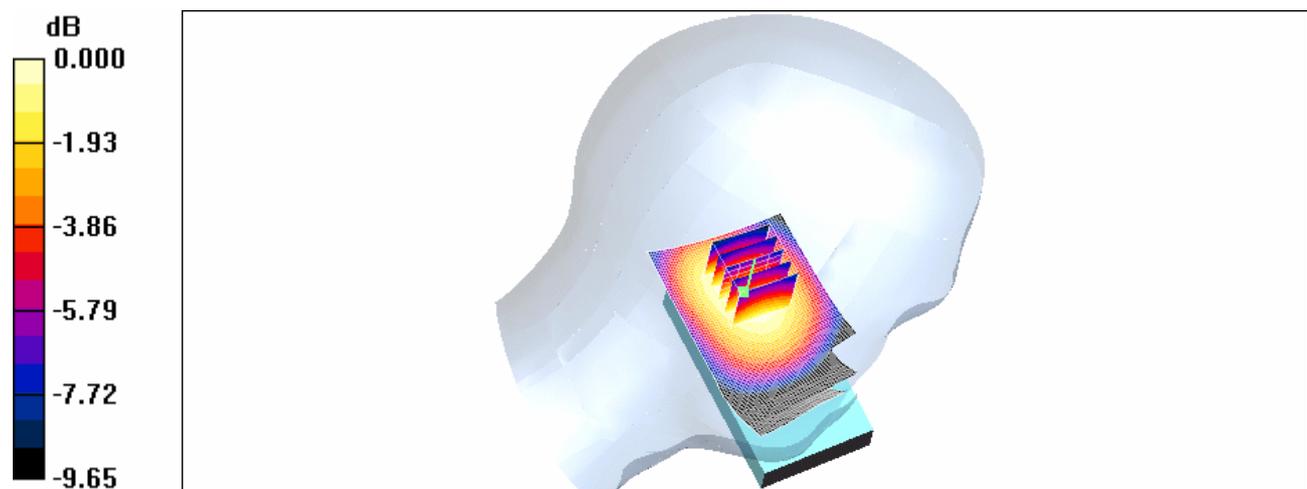
0 dB = 0.318mW/g

LET CH251

DUT: HTC Gene 100; Type: GSM 900; Serial: 353533010026998

Communication System: GSM 850; Frequency: 848.8 MHz;Duty Cycle: 1:8.3
Medium: Head 850 MHz Medium parameters used (interpolated): f = 848.8 MHz; σ = 0.891 mho/m; ε_r = 41.9; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3578; ConvF(8.38, 8.38, 8.38); Calibrated: 2006/3/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn679; Calibrated: DAE not calibrated
- Phantom: SAM 12; Type: SAM 4.0; Serial: TP:1150
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

LE_Tilt/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.274 mW/g

LE_Tilt/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 16.5 V/m; Power Drift = 0.072 dB
Peak SAR (extrapolated) = 0.325 W/kg

SAR(1 g) = 0.262 mW/g; SAR(10 g) = 0.196 mW/g
Maximum value of SAR (measured) = 0.276 mW/g

0 dB = 0.276mW/g

LEC CH190 (repeated with Micro-SD Memory Card)

DUT: HTC Gene 100; Type: GSM 900; Serial: 353533010026998

Communication System: GSM 850; Frequency: 836.6 MHz;Duty Cycle: 1:8.3
Medium: Head 850 MHz Medium parameters used (interpolated): f = 836.6 MHz; σ = 0.863 mho/m; ε_r = 42.4; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3578; ConvF(8.38, 8.38, 8.38); Calibrated: 2006/3/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn679; Calibrated: DAE not calibrated
- Phantom: SAM 12; Type: SAM 4.0; Serial: TP:1150
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

LE_Cheek/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.378 mW/g

LE_Cheek/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 17.3 V/m; Power Drift = 0.014 dB
Peak SAR (extrapolated) = 0.441 W/kg

SAR(1 g) = 0.356 mW/g; SAR(10 g) = 0.267 mW/g
Maximum value of SAR (measured) = 0.376 mW/g

0 dB = 0.376mW/g
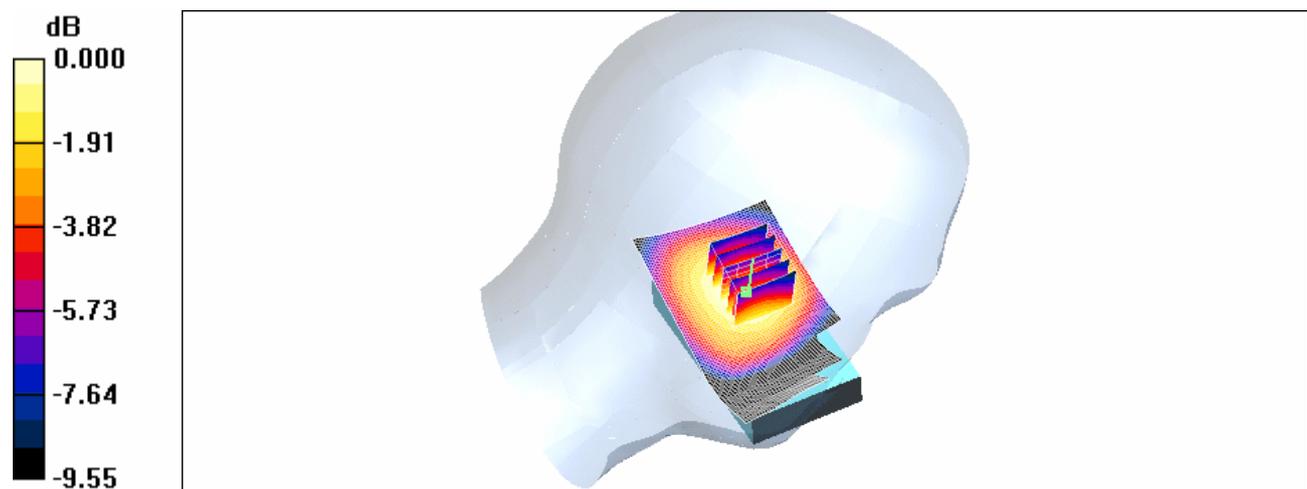
LEC CH190 (repeated with Bluetooth-Active)

DUT: HTC Gene 100; Type: GSM 900; Serial: 353533010026998

Communication System: GSM 850; Frequency: 836.6 MHz;Duty Cycle: 1:8.3
Medium: Head 850 MHz Medium parameters used (interpolated): f = 836.6 MHz; σ = 0.863 mho/m; ε_r = 42.4; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3578; ConvF(8.38, 8.38, 8.38); Calibrated: 2006/3/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn679; Calibrated: DAE not calibrated
- Phantom: SAM 12; Type: SAM 4.0; Serial: TP:1150
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

LE_Cheek/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.472 mW/g

### LE_Cheek/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 19.2 V/m; Power Drift = -0.056 dB
Peak SAR (extrapolated) = 0.559 W/kg

SAR(1 g) = 0.448 mW/g; SAR(10 g) = 0.334 mW/g
Maximum value of SAR (measured) = 0.473 mW/g

0 dB = 0.473mW/g
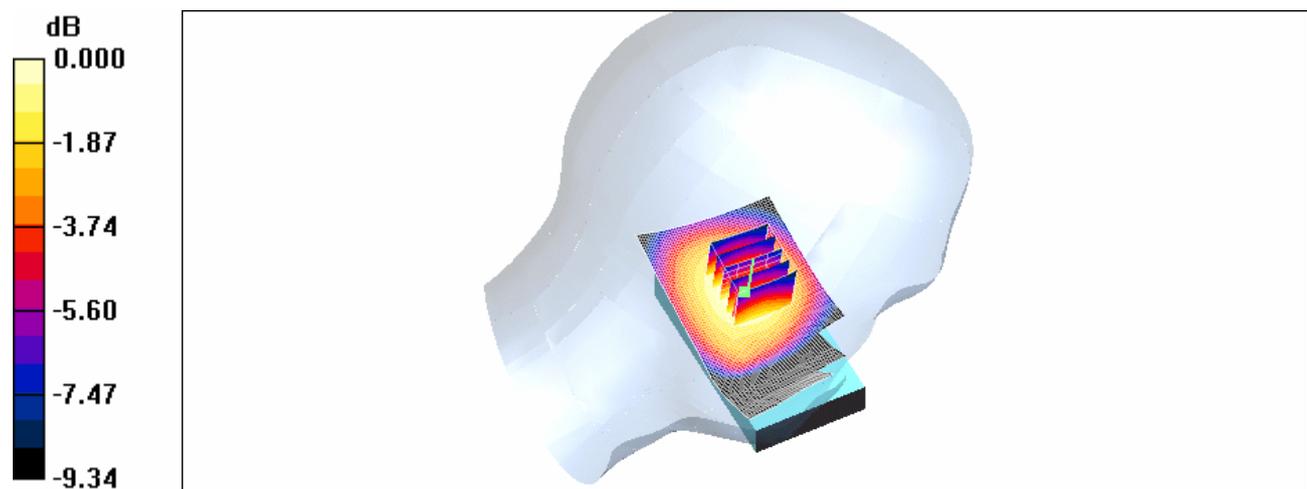
BODY_CH128_with headset

DUT: HTC Gene 100; Type: GSM 900; Serial: 353533010026998

Communication System: GSM 850; Frequency: 824.2 MHz;Duty Cycle: 1:4
Medium: Muscle 850 MHz Medium parameters used (interpolated): f = 824.2 MHz; σ = 0.947 mho/m; ε_r = 56.4; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3578; ConvF(8.15, 8.15, 8.15); Calibrated: 2006/3/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn679; Calibrated: DAE not calibrated
- Phantom: SAM1; Type: SAM 4.0; Serial: TP:1419
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

BODY/Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.42 mW/g

BODY/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.7 V/m; Power Drift = -0.116 dB
Peak SAR (extrapolated) = 1.77 W/kg

SAR(1 g) = 1.32 mW/g; SAR(10 g) = 0.948 mW/g
Maximum value of SAR (measured) = 1.41 mW/g
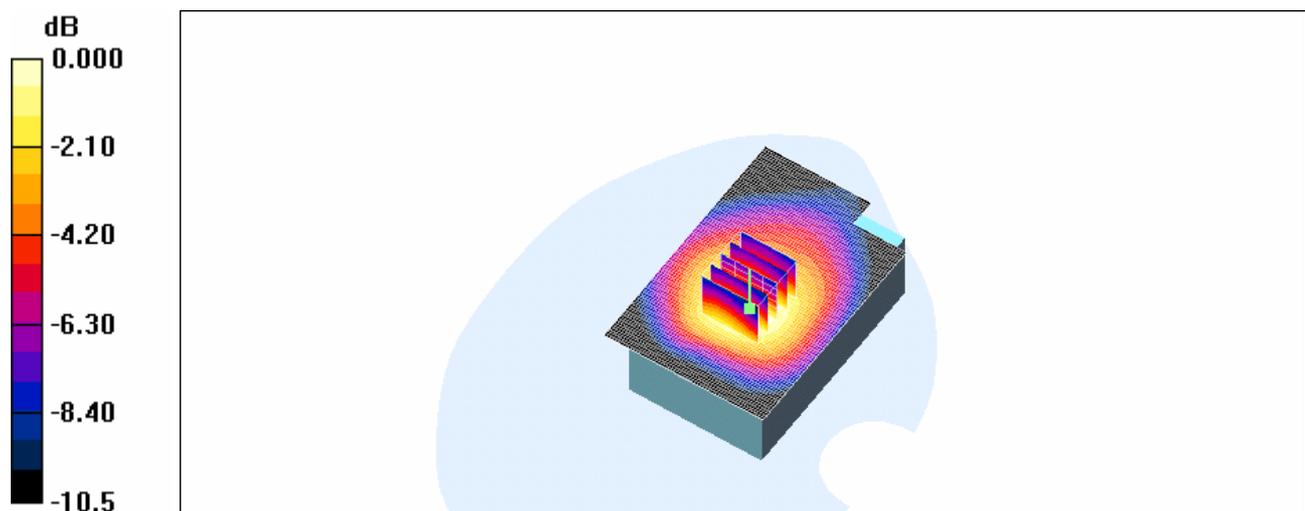
0 dB = 1.41mW/g

BODY_CH190_with headset

DUT: HTC Gene 100; Type: GSM 900; Serial: 353533010026998

Communication System: GSM 850; Frequency: 836.6 MHz;Duty Cycle: 1:4
Medium: Muscle 850 MHz Medium parameters used (interpolated): f = 836.6 MHz; σ = 0.959 mho/m; ε_r = 56.3; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3578; ConvF(8.15, 8.15, 8.15); Calibrated: 2006/3/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn679; Calibrated: DAE not calibrated
- Phantom: SAM1; Type: SAM 4.0; Serial: TP:1419
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

BODY/Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.32 mW/g

BODY/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.1 V/m; Power Drift = 0.008 dB
Peak SAR (extrapolated) = 1.70 W/kg

SAR(1 g) = 1.24 mW/g; SAR(10 g) = 0.876 mW/g
Maximum value of SAR (measured) = 1.33 mW/g
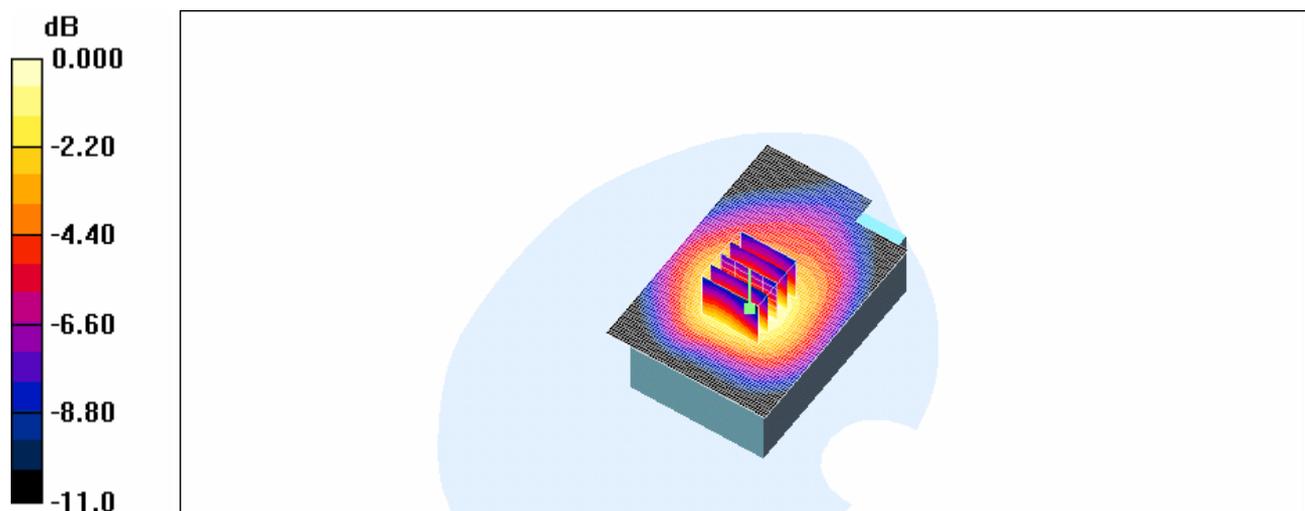
0 dB = 1.33mW/g

BODY_CH251_with headset

DUT: HTC Gene 100; Type: GSM 900; Serial: 353533010026998

Communication System: GSM 850; Frequency: 848.8 MHz;Duty Cycle: 1:4
Medium: Muscle 850 MHz Medium parameters used (interpolated): f = 848.8 MHz; σ = 0.968 mho/m; ε_r = 56.2; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3578; ConvF(8.15, 8.15, 8.15); Calibrated: 2006/3/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn679; Calibrated: DAE not calibrated
- Phantom: SAM1; Type: SAM 4.0; Serial: TP:1419
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

BODY/Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.09 mW/g

BODY/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.1 V/m; Power Drift = 0.004 dB
Peak SAR (extrapolated) = 1.33 W/kg

SAR(1 g) = 1.02 mW/g; SAR(10 g) = 0.722 mW/g
Maximum value of SAR (measured) = 1.10 mW/g
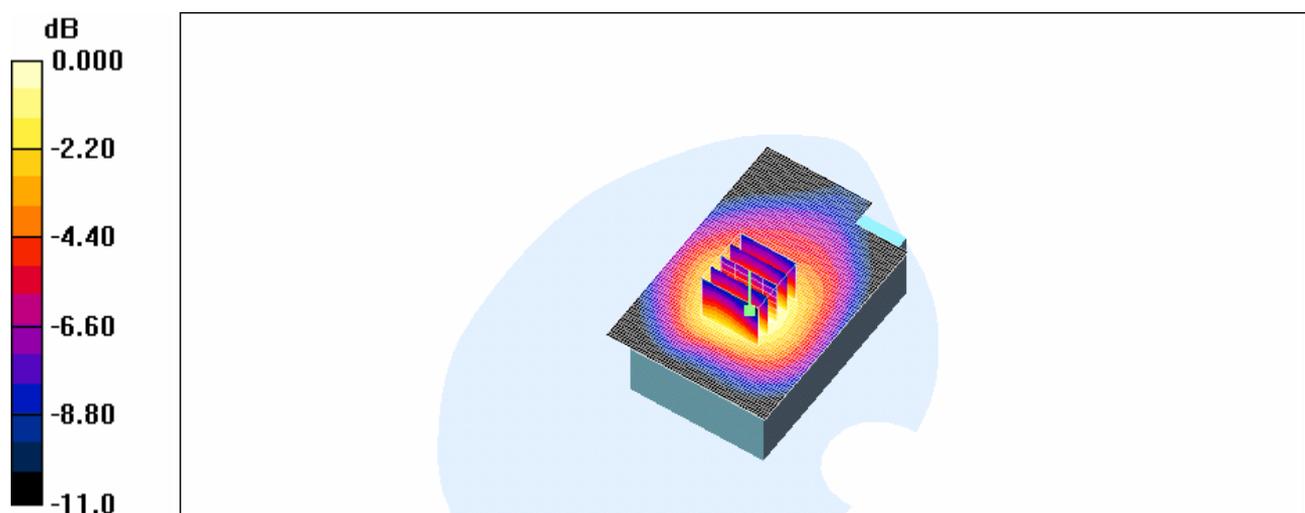
0 dB = 1.10mW/g

BODY_CH128 (EUT front to phantom)

DUT: HTC Gene 100; Type: GSM 900; Serial: 353533010026998

Communication System: GSM 850; Frequency: 824.2 MHz;Duty Cycle: 1:4
Medium: Muscle 850 MHz Medium parameters used (interpolated): f = 824.2 MHz; σ = 0.947 mho/m; ε_r = 56.4; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3578; ConvF(8.15, 8.15, 8.15); Calibrated: 2006/3/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn679; Calibrated: DAE not calibrated
- Phantom: SAM1; Type: SAM 4.0; Serial: TP:1419
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

BODY/Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.642 mW/g

BODY/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.7 V/m; Power Drift = -0.200 dB
Peak SAR (extrapolated) = 0.856 W/kg

SAR(1 g) = 0.591 mW/g; SAR(10 g) = 0.416 mW/g
Maximum value of SAR (measured) = 0.622 mW/g
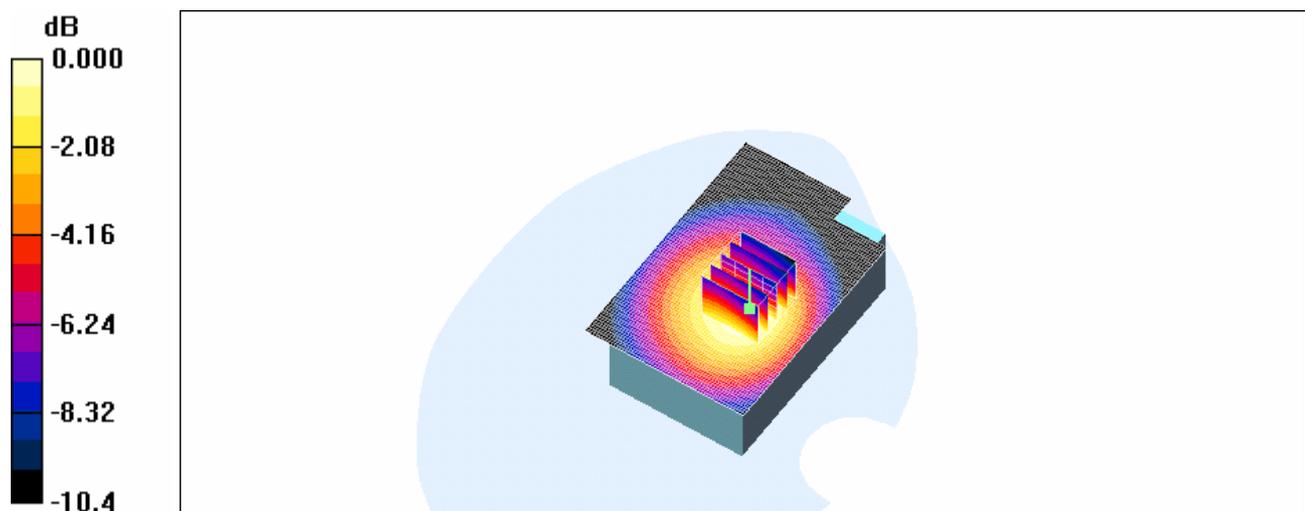
0 dB = 0.622mW/g

BODY_CH128 (repeated with Micro-SD Memory Card)

DUT: HTC Gene 100; Type: GSM 900; Serial: 353533010026998

Communication System: GSM 850; Frequency: 824.2 MHz;Duty Cycle: 1:4
Medium: Muscle 850 MHz Medium parameters used (interpolated): f = 824.2 MHz; σ = 0.947 mho/m; ε_r = 56.4; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3578; ConvF(8.15, 8.15, 8.15); Calibrated: 2006/3/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn679; Calibrated: DAE not calibrated
- Phantom: SAM1; Type: SAM 4.0; Serial: TP:1419
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

BODY/Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.09 mW/g

BODY/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.81 V/m; Power Drift = 0.060 dB
Peak SAR (extrapolated) = 1.46 W/kg

SAR(1 g) = 1.04 mW/g; SAR(10 g) = 0.739 mW/g
Maximum value of SAR (measured) = 1.11 mW/g
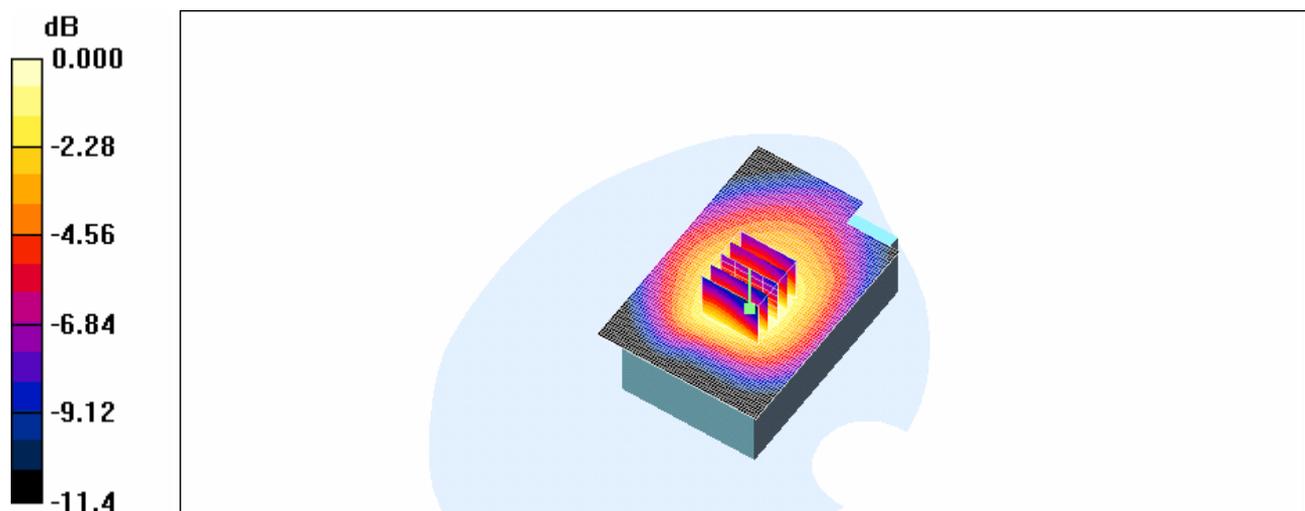
0 dB = 1.11mW/g

BODY_CH128 (With Bluetooth-Active)

DUT: HTC Gene 100; Type: GSM 900; Serial: 353533010026998

Communication System: GSM 850; Frequency: 824.2 MHz;Duty Cycle: 1:4
Medium: Muscle 850 MHz Medium parameters used (interpolated): f = 824.2 MHz; σ = 0.947 mho/m;
ε_r = 56.4; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3578; ConvF(8.15, 8.15, 8.15); Calibrated: 2006/3/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn679; Calibrated: DAE not calibrated
- Phantom: SAM1; Type: SAM 4.0; Serial: TP:1419
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

BODY/Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.50 mW/g

BODY/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.3 V/m; Power Drift = 0.016 dB
Peak SAR (extrapolated) = 1.97 W/kg

SAR(1 g) = 1.39 mW/g; SAR(10 g) = 0.984 mW/g
Maximum value of SAR (measured) = 1.50 mW/g
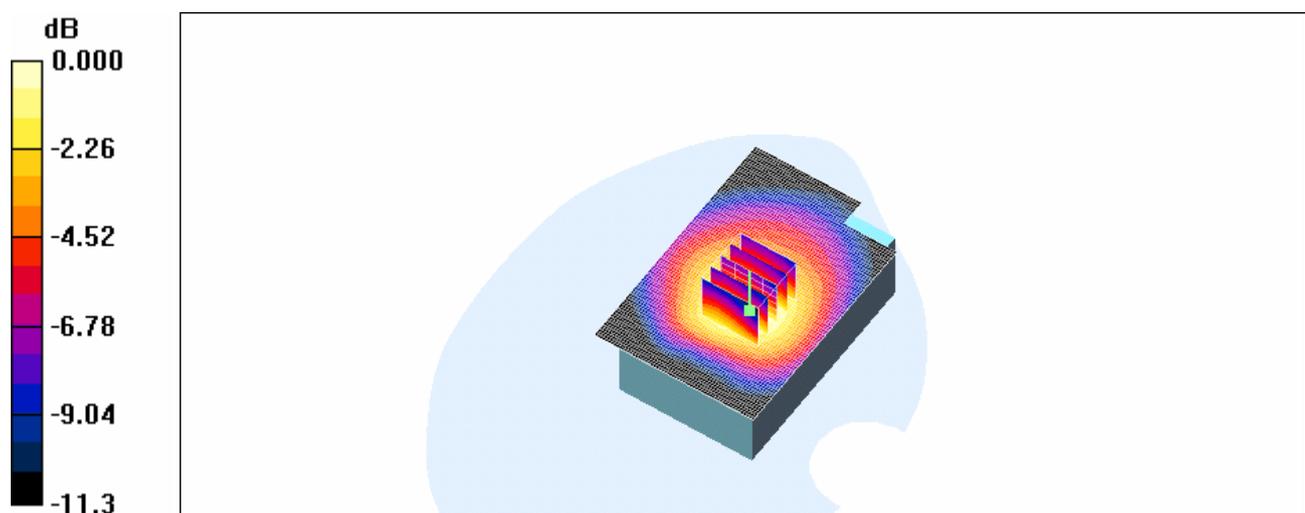
0 dB = 1.50mW/g

BODY_CH128 (EUT back to Flat phantom- repeated with Battery, model: SANYO)

DUT: HTC Gene 100; Type: GSM 900; Serial: 353533010026998

Communication System: GSM 850; Frequency: 824.2 MHz;Duty Cycle: 1:4
Medium: Muscle 850 MHz Medium parameters used (interpolated): f = 824.2 MHz; σ = 0.947 mho/m; ε_r = 56.4; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3578; ConvF(8.15, 8.15, 8.15); Calibrated: 2006/3/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn679; Calibrated: DAE not calibrated
- Phantom: SAM1; Type: SAM 4.0; Serial: TP:1419
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

BODY/Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm

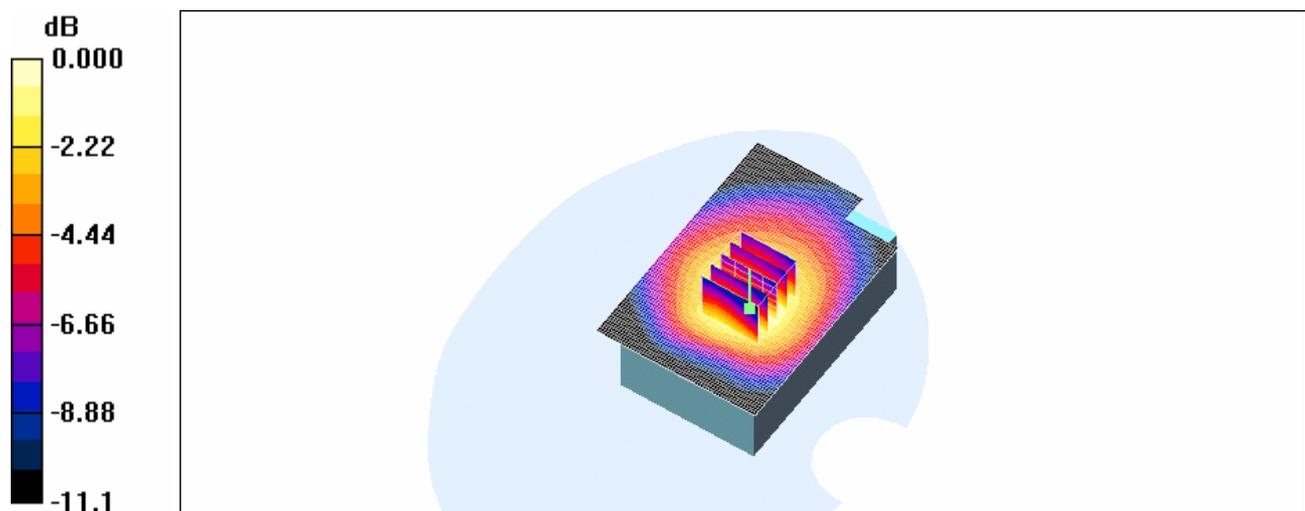Maximum value of SAR (interpolated) = 1.35 mW/g

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

Reference Value = 12.0 V/m; Power Drift = -0.079 dB
Peak SAR (extrapolated) = 1.73 W/kg

SAR(1 g) = 1.26 mW/g; SAR(10 g) = 0.894 mW/g

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

0 dB = 1.35mW/g

BODY_CH128 (EUT back to Flat phantom- repeated with Battery, model: TWS)

DUT: HTC Gene 100; Type: GSM 900; Serial: 353533010026998

Communication System: GSM 850; Frequency: 824.2 MHz;Duty Cycle: 1:4

Medium: Muscle 850 MHz Medium parameters used (interpolated): f = 824.2 MHz; σ = 0.947 mho/m; ε_r = 56.4; ρ = 1000 kg/m^3

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3578; ConvF(8.15, 8.15, 8.15); Calibrated: 2006/3/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn679; Calibrated: DAE not calibrated
- Phantom: SAM1; Type: SAM 4.0; Serial: TP:1419
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

BODY/Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.34 mW/g

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

Reference Value = 10.7 V/m; Power Drift = -0.091 dB

Peak SAR (extrapolated) = 1.77 W/kg

SAR(1 g) = 1.24 mW/g; SAR(10 g) = 0.883 mW/g

Maximum value of SAR (measured) = 1.34 mW/g
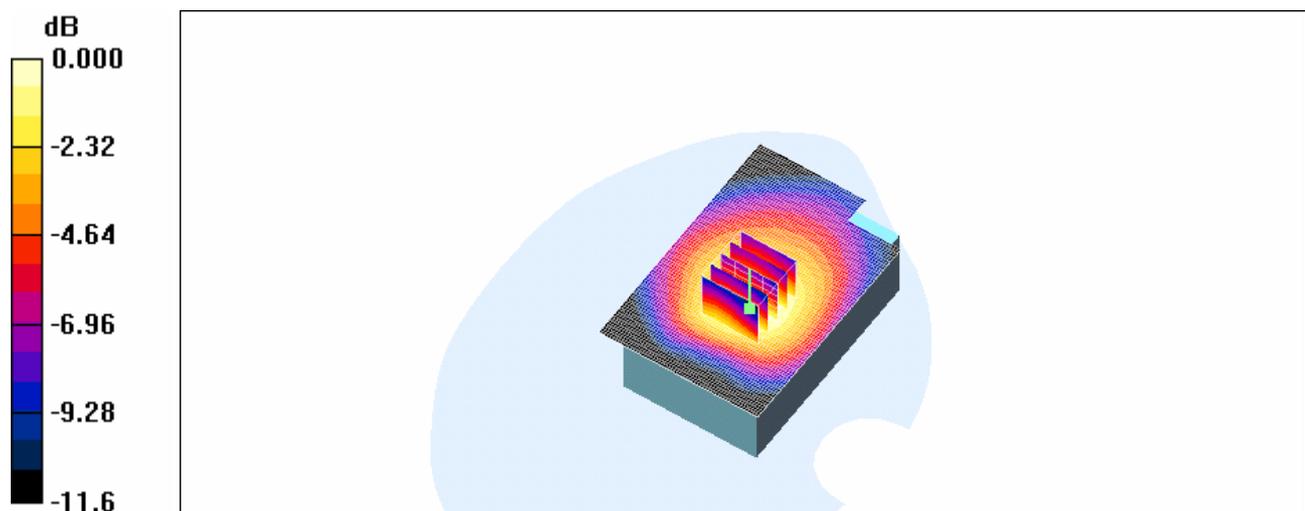
0 dB = 1.34mW/g

REC CH512

DUT: HTC Gene 100; Type: GSM 1900; Serial: 353533010026998

Communication System: GSM1900; Frequency: 1850.2 MHz;Duty Cycle: 1:8.3
Medium: Head 1900 MHz Medium parameters used (interpolated): f = 1850.2 MHz; σ = 1.37 mho/m;
ε_r = 40.5; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3578; ConvF(6.98, 6.98, 6.98); Calibrated: 2006/3/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn679; Calibrated: DAE not calibrated
- Phantom: SAM 12; Type: SAM 4.0; Serial: TP:1150
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

RE_Cheek/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm
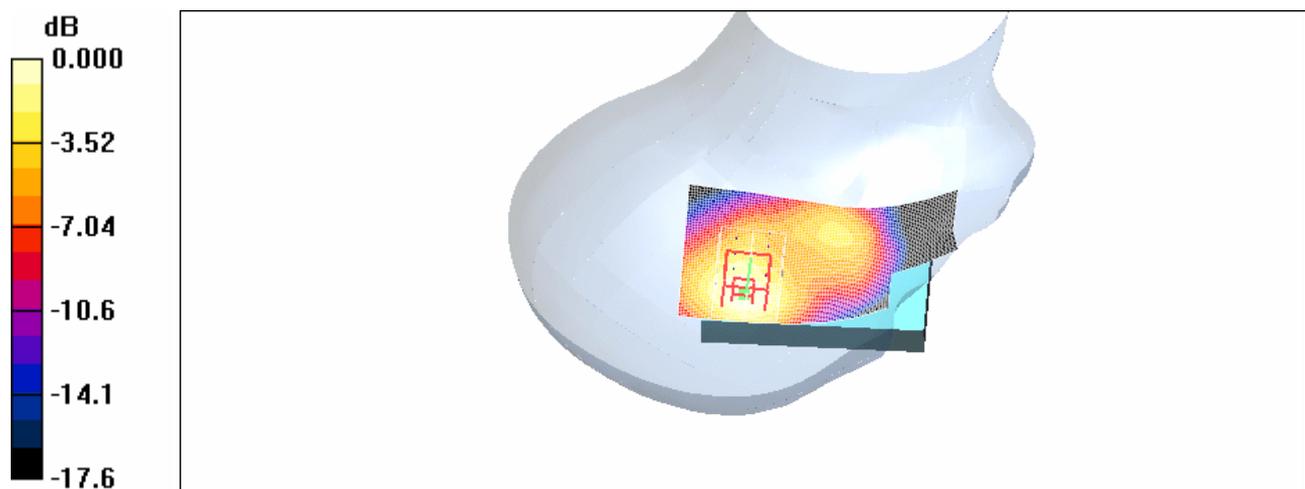Maximum value of SAR (interpolated) = 0.281 mW/g

RE_Cheek/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.1 V/m; Power Drift = 0.024 dB
Peak SAR (extrapolated) = 0.431 W/kg

SAR(1 g) = 0.251 mW/g; SAR(10 g) = 0.147 mW/g
Maximum value of SAR (measured) = 0.272 mW/g

0 dB = 0.272mW/g

REC CH661

DUT: HTC Gene 100; Type: GSM 1900; Serial: 353533010026998

Communication System: GSM1900; Frequency: 1880 MHz;Duty Cycle: 1:8.3
Medium: Head 1900 MHz Medium parameters used: f = 1880 MHz; σ = 1.4 mho/m; ε_r = 40.3; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3578; ConvF(6.98, 6.98, 6.98); Calibrated: 2006/3/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn679; Calibrated: DAE not calibrated
- Phantom: SAM 12; Type: SAM 4.0; Serial: TP:1150
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

RE_Cheek/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm
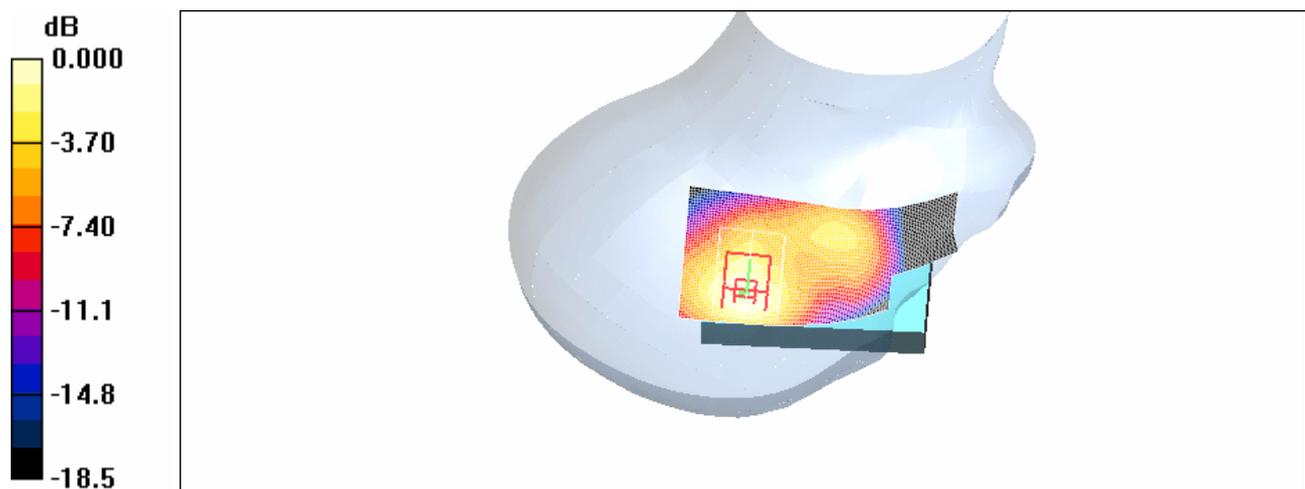Maximum value of SAR (interpolated) = 0.236 mW/g

RE_Cheek/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.39 V/m; Power Drift = -0.040 dB
Peak SAR (extrapolated) = 0.362 W/kg

SAR(1 g) = 0.210 mW/g; SAR(10 g) = 0.123 mW/g
Maximum value of SAR (measured) = 0.227 mW/g

0 dB = 0.227mW/g

REC CH810

DUT: HTC Gene 100; Type: GSM 1900; Serial: 353533010026998

Communication System: GSM1900; Frequency: 1909.8 MHz;Duty Cycle: 1:8.3
Medium: Head 1900 MHz Medium parameters used: f = 1910 MHz; σ = 1.46 mho/m; ε_r = 40.2; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3578; ConvF(6.98, 6.98, 6.98); Calibrated: 2006/3/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn679; Calibrated: DAE not calibrated
- Phantom: SAM 12; Type: SAM 4.0; Serial: TP:1150
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

RE_Cheek/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm
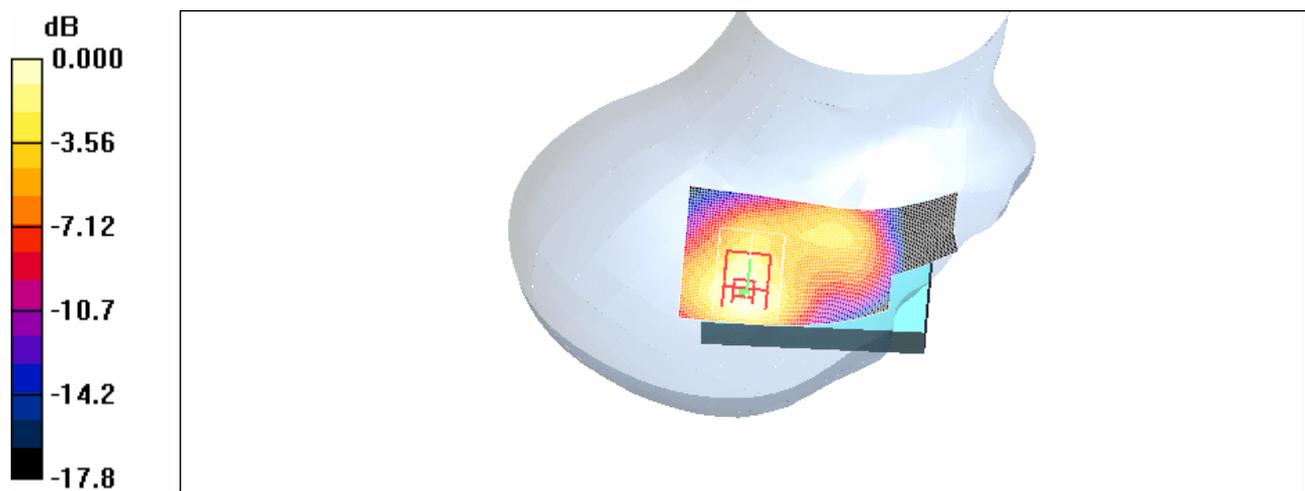Maximum value of SAR (interpolated) = 0.281 mW/g

RE_Cheek/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.1 V/m; Power Drift = 0.065 dB
Peak SAR (extrapolated) = 0.436 W/kg

SAR(1 g) = 0.249 mW/g; SAR(10 g) = 0.145 mW/g
Maximum value of SAR (measured) = 0.267 mW/g

0 dB = 0.267mW/g

LEC CH512

DUT: HTC Gene 100; Type: GSM 1900; Serial: 353533010026998

Communication System: GSM1900; Frequency: 1850.2 MHz;Duty Cycle: 1:8.3
Medium: Head 1900 MHz Medium parameters used (interpolated): f = 1850.2 MHz; σ = 1.37 mho/m; ε_r = 40.5; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3578; ConvF(6.98, 6.98, 6.98); Calibrated: 2006/3/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn679; Calibrated: DAE not calibrated
- Phantom: SAM 12; Type: SAM 4.0; Serial: TP:1150
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

LE_Cheek/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm
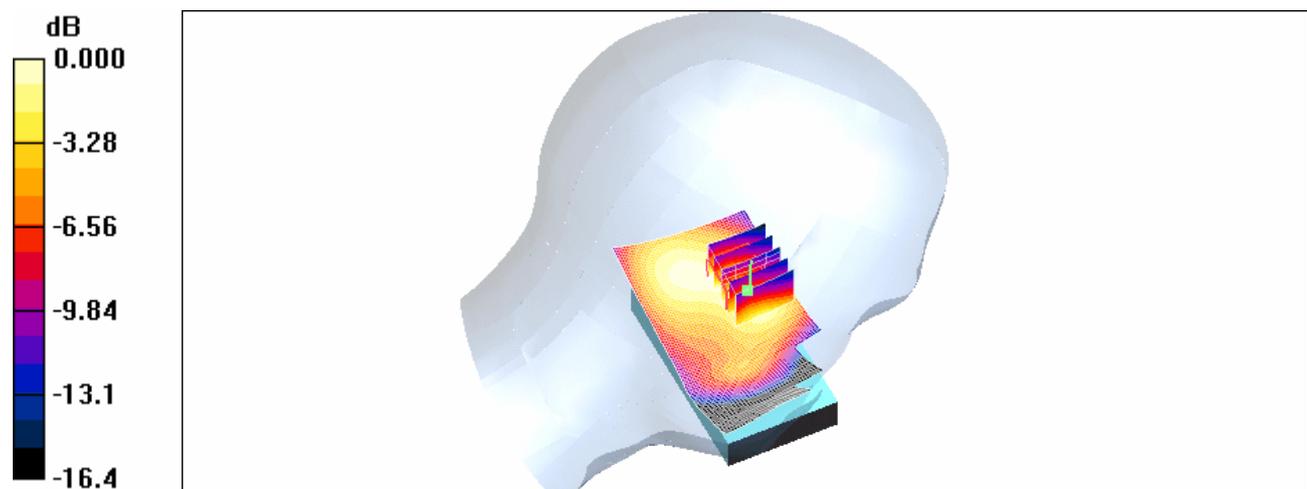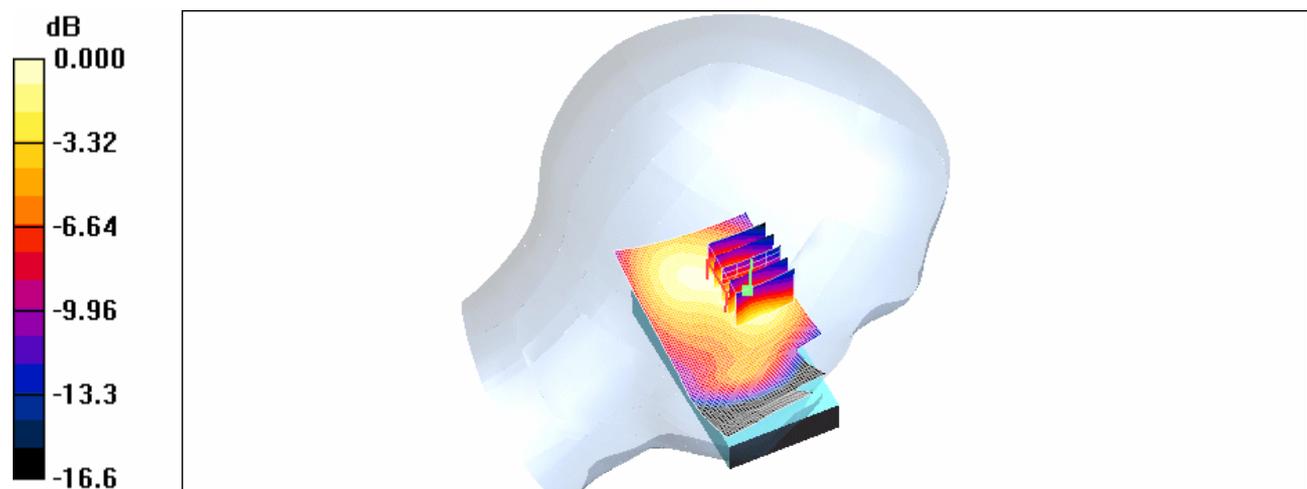Maximum value of SAR (interpolated) = 0.282 mW/g

LE_Cheek/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.2 V/m; Power Drift = -0.075 dB
Peak SAR (extrapolated) = 0.418 W/kg

SAR(1 g) = 0.255 mW/g; SAR(10 g) = 0.160 mW/g
Maximum value of SAR (measured) = 0.280 mW/g

0 dB = 0.280mW/g

LEC CH661

DUT: HTC Gene 100; Type: GSM 1900; Serial: 353533010026998

Communication System: GSM1900; Frequency: 1880 MHz;Duty Cycle: 1:8.3
Medium: Head 1900 MHz Medium parameters used: f = 1880 MHz; σ = 1.4 mho/m; ε_r = 40.3; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3578; ConvF(6.98, 6.98, 6.98); Calibrated: 2006/3/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn679; Calibrated: DAE not calibrated
- Phantom: SAM 12; Type: SAM 4.0; Serial: TP:1150
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

LE_Cheek/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.237 mW/g

LE_Cheek/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.6 V/m; Power Drift = 0.055 dB
Peak SAR (extrapolated) = 0.354 W/kg

SAR(1 g) = 0.216 mW/g; SAR(10 g) = 0.134 mW/g
Maximum value of SAR (measured) = 0.238 mW/g

0 dB = 0.238mW/g

LEC CH810

DUT: HTC Gene 100; Type: GSM 1900; Serial: 353533010026998

Communication System: GSM1900; Frequency: 1909.8 MHz;Duty Cycle: 1:8.3
Medium: Head 1900 MHz Medium parameters used: f = 1910 MHz; σ = 1.46 mho/m; ε_r = 40.2; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3578; ConvF(6.98, 6.98, 6.98); Calibrated: 2006/3/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn679; Calibrated: DAE not calibrated
- Phantom: SAM 12; Type: SAM 4.0; Serial: TP:1150
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

LE_Cheek /Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm
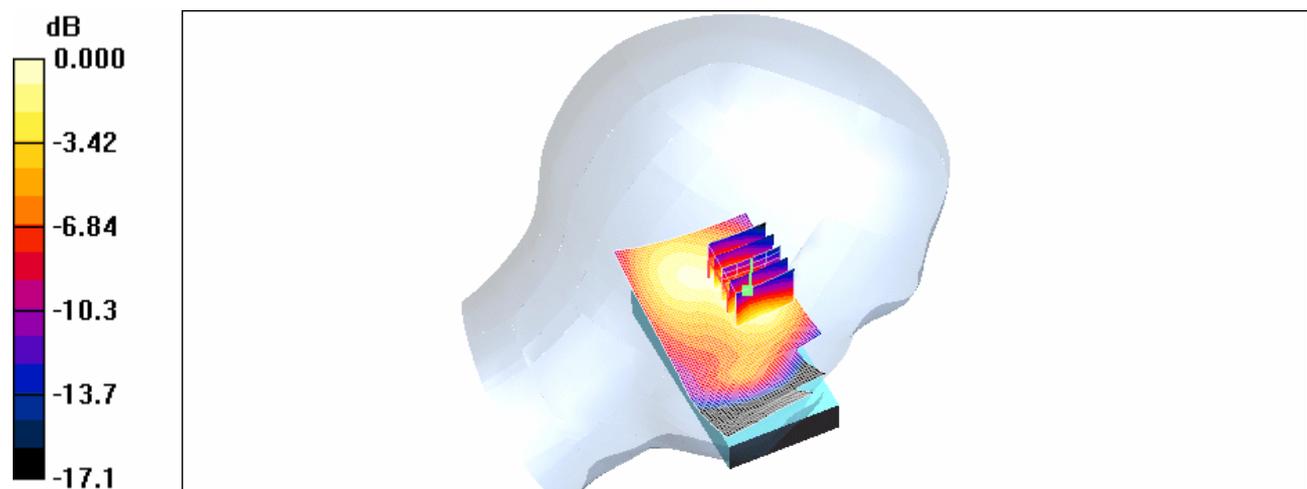Maximum value of SAR (interpolated) = 0.285 mW/g

LE_Cheek/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.4 V/m; Power Drift = -0.023 dB
Peak SAR (extrapolated) = 0.423 W/kg

SAR(1 g) = 0.255 mW/g; SAR(10 g) = 0.156 mW/g
Maximum value of SAR (measured) = 0.282 mW/g

0 dB = 0.282mW/g

RET CH512

DUT: HTC Gene 100; Type: GSM 1900; Serial: 353533010026998

Communication System: GSM1900; Frequency: 1850.2 MHz;Duty Cycle: 1:8.3
Medium: Head 1900 MHz Medium parameters used (interpolated): f = 1850.2 MHz; σ = 1.37 mho/m; ε_r = 40.5; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3578; ConvF(6.98, 6.98, 6.98); Calibrated: 2006/3/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn679; Calibrated: DAE not calibrated
- Phantom: SAM 12; Type: SAM 4.0; Serial: TP:1150
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

RE_Tilt/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm
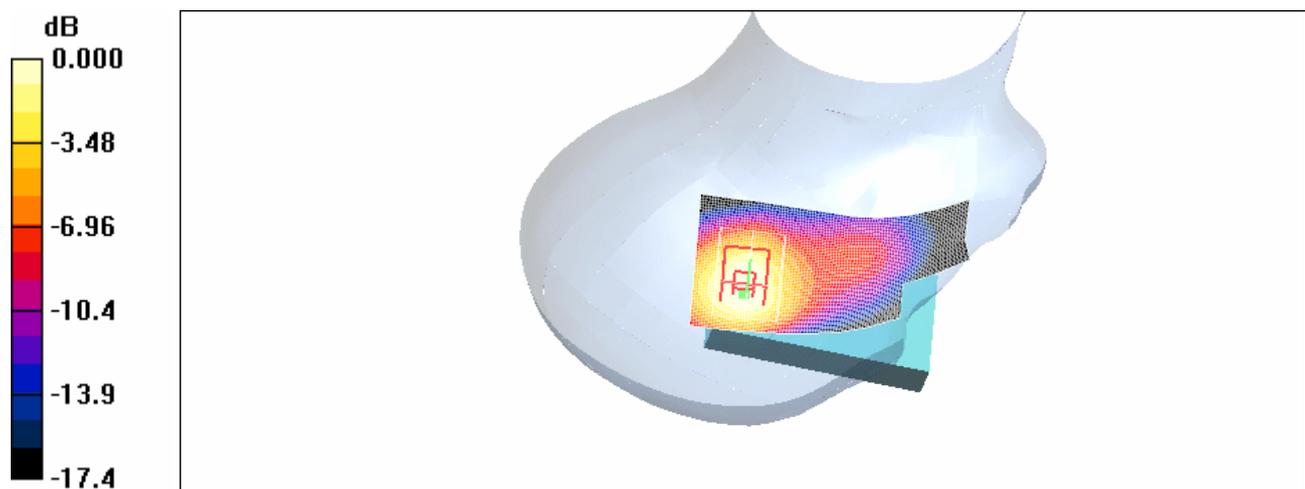Maximum value of SAR (interpolated) = 0.295 mW/g

RE_Tilt/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.5 V/m; Power Drift = -0.017 dB
Peak SAR (extrapolated) = 0.424 W/kg

SAR(1 g) = 0.269 mW/g; SAR(10 g) = 0.162 mW/g
Maximum value of SAR (measured) = 0.287 mW/g

0 dB = 0.287mW/g

RET CH661

DUT: HTC Gene 100; Type: GSM 1900; Serial: 353533010026998

Communication System: GSM1900; Frequency: 1880 MHz;Duty Cycle: 1:8.3
Medium: Head 1900 MHz Medium parameters used: f = 1880 MHz; σ = 1.4 mho/m; ε_r = 40.3; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3578; ConvF(6.98, 6.98, 6.98); Calibrated: 2006/3/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn679; Calibrated: DAE not calibrated
- Phantom: SAM 12; Type: SAM 4.0; Serial: TP:1150
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

RE_Tilt/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm
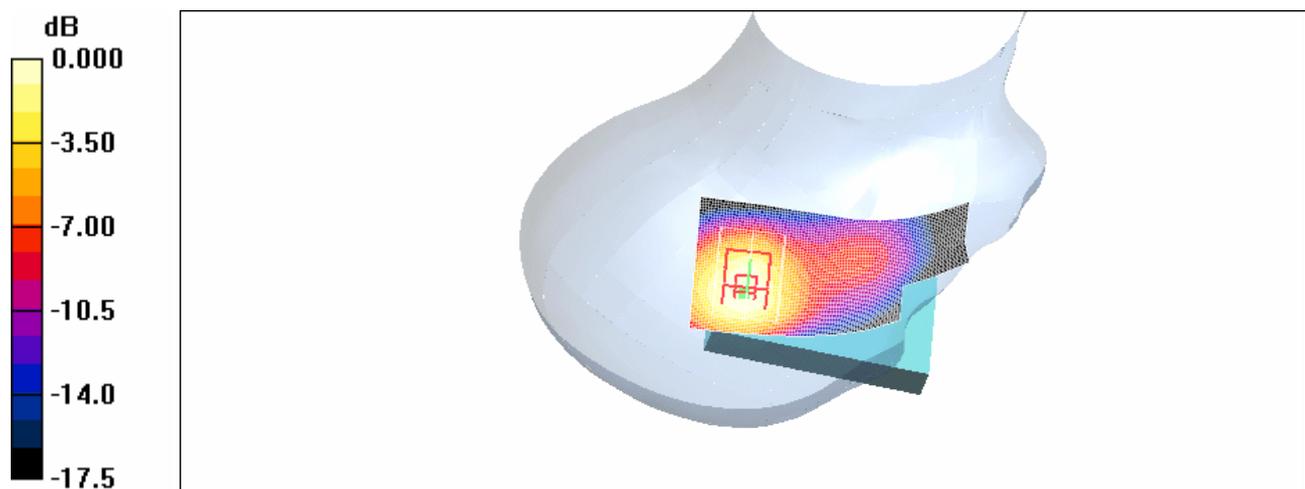Maximum value of SAR (interpolated) = 0.247 mW/g

RE_Tilt/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.2 V/m; Power Drift = -0.024 dB
Peak SAR (extrapolated) = 0.364 W/kg

SAR(1 g) = 0.226 mW/g; SAR(10 g) = 0.135 mW/g
Maximum value of SAR (measured) = 0.246 mW/g

0 dB = 0.246mW/g

RET CH810

DUT: HTC Gene 100; Type: GSM 1900; Serial: 353533010026998

Communication System: GSM1900; Frequency: 1909.8 MHz;Duty Cycle: 1:8.3
Medium: Head 1900 MHz Medium parameters used: f = 1910 MHz; σ = 1.46 mho/m; ε_r = 40.2; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3578; ConvF(6.98, 6.98, 6.98); Calibrated: 2006/3/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn679; Calibrated: DAE not calibrated
- Phantom: SAM 12; Type: SAM 4.0; Serial: TP:1150
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

RE_Tilt/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm
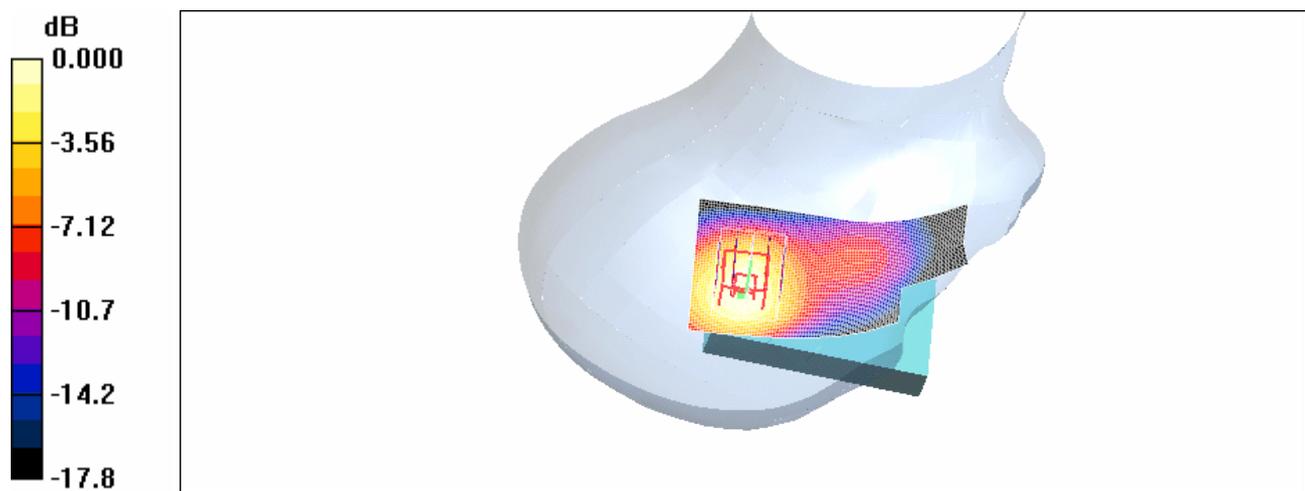Maximum value of SAR (interpolated) = 0.308 mW/g

RE_Tilt/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.4 V/m; Power Drift = 0.003 dB
Peak SAR (extrapolated) = 0.447 W/kg

SAR(1 g) = 0.279 mW/g; SAR(10 g) = 0.165 mW/g
Maximum value of SAR (measured) = 0.303 mW/g

0 dB = 0.303mW/g

LET CH512

DUT: HTC Gene 100; Type: GSM 1900; Serial: 353533010026998

Communication System: GSM1900; Frequency: 1850.2 MHz;Duty Cycle: 1:8.3
Medium: Head 1900 MHz Medium parameters used (interpolated): f = 1850.2 MHz; σ = 1.37 mho/m; ε_r = 40.5; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3578; ConvF(6.98, 6.98, 6.98); Calibrated: 2006/3/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn679; Calibrated: DAE not calibrated
- Phantom: SAM 12; Type: SAM 4.0; Serial: TP:1150
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

LE_Tilt/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm
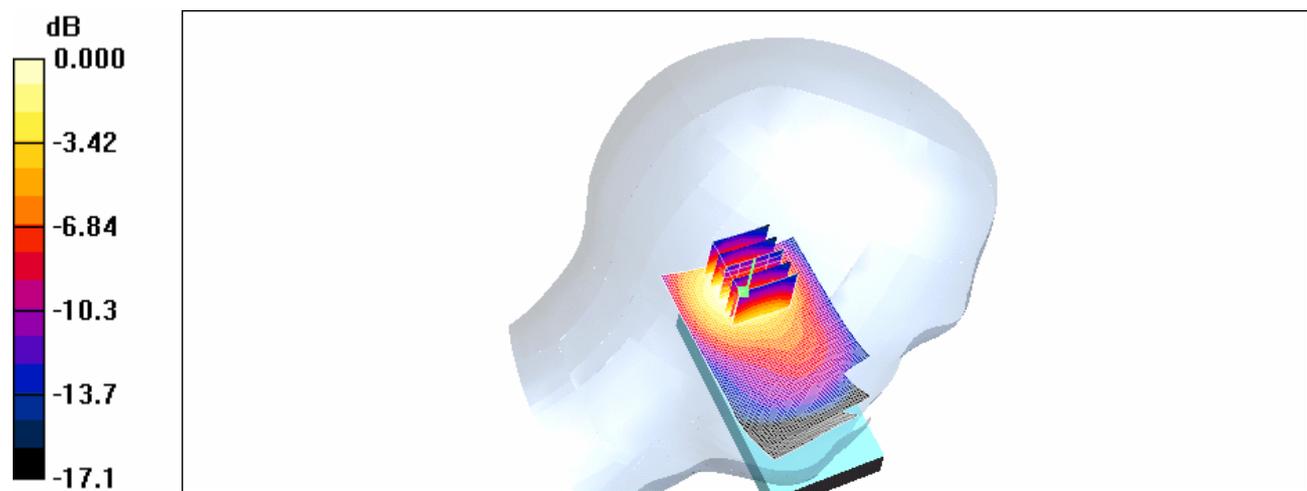Maximum value of SAR (interpolated) = 0.353 mW/g

LE_Tilt/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 16.1 V/m; Power Drift = -0.022 dB
Peak SAR (extrapolated) = 0.507 W/kg

SAR(1 g) = 0.319 mW/g; SAR(10 g) = 0.191 mW/g
Maximum value of SAR (measured) = 0.346 mW/g

0 dB = 0.346mW/g

LET CH661

DUT: HTC Gene 100; Type: GSM 1900; Serial: 353533010026998

Communication System: GSM1900; Frequency: 1880 MHz;Duty Cycle: 1:8.3
Medium: Head 1900 MHz Medium parameters used: f = 1880 MHz; σ = 1.4 mho/m; ε_r = 40.3; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3578; ConvF(6.98, 6.98, 6.98); Calibrated: 2006/3/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn679; Calibrated: DAE not calibrated
- Phantom: SAM 12; Type: SAM 4.0; Serial: TP:1150
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

LE_Tilt/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm
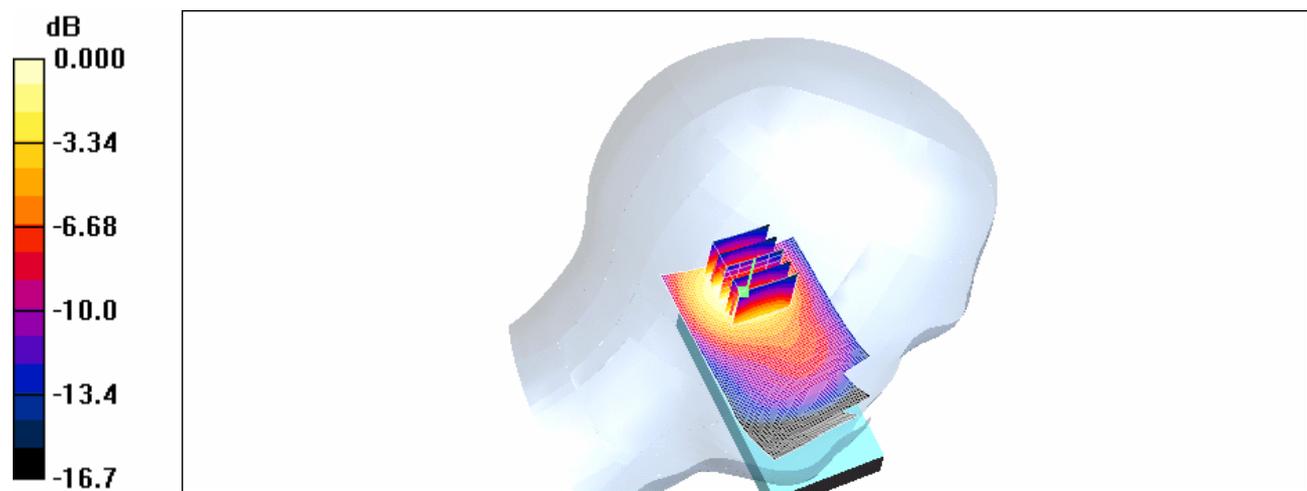Maximum value of SAR (interpolated) = 0.287 mW/g

LE_Tilt/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.2 V/m; Power Drift = -0.031 dB
Peak SAR (extrapolated) = 0.425 W/kg

SAR(1 g) = 0.259 mW/g; SAR(10 g) = 0.154 mW/g
Maximum value of SAR (measured) = 0.283 mW/g

0 dB = 0.283mW/g

LET CH810

DUT: HTC Gene 100; Type: GSM 1900; Serial: 353533010026998

Communication System: GSM1900; Frequency: 1909.8 MHz;Duty Cycle: 1:8.3
Medium: Head 1900 MHz Medium parameters used: f = 1910 MHz; σ = 1.46 mho/m; ε_r = 40.2; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3578; ConvF(6.98, 6.98, 6.98); Calibrated: 2006/3/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn679; Calibrated: DAE not calibrated
- Phantom: SAM 12; Type: SAM 4.0; Serial: TP:1150
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

LE_Tilt/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm
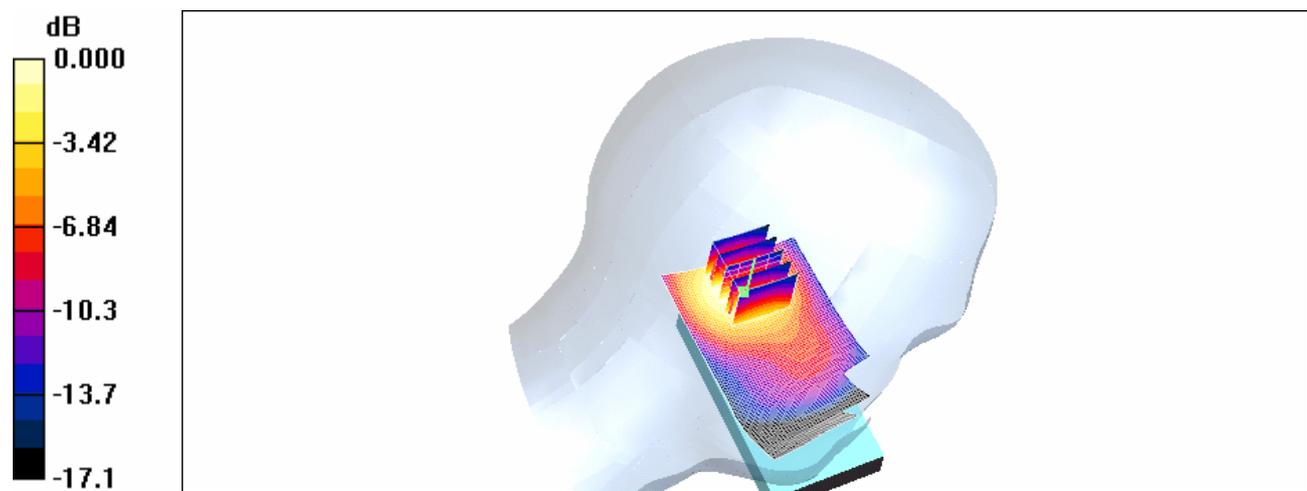Maximum value of SAR (interpolated) = 0.345 mW/g

LE_Tilt/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 15.3 V/m; Power Drift = 0.010 dB
Peak SAR (extrapolated) = 0.507 W/kg

SAR(1 g) = 0.310 mW/g; SAR(10 g) = 0.183 mW/g
Maximum value of SAR (measured) = 0.338 mW/g

0 dB = 0.338mW/g

BODY_CH512

DUT: HTC Gene 100; Type: GSM 1900; Serial: 353533010026998

Communication System: GSM1900; Frequency: 1850.2 MHz;Duty Cycle: 1:4
Medium: M1800 & 1900 Medium parameters used (interpolated): f = 1850.2 MHz; σ = 1.52 mho/m; ε_r = 53.4; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3578; ConvF(6.75, 6.75, 6.75); Calibrated: 2006/3/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn679; Calibrated: DAE not calibrated
- Phantom: SAM2; Type: SAM 4.0; Serial: TP:1270
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

BODY/Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm
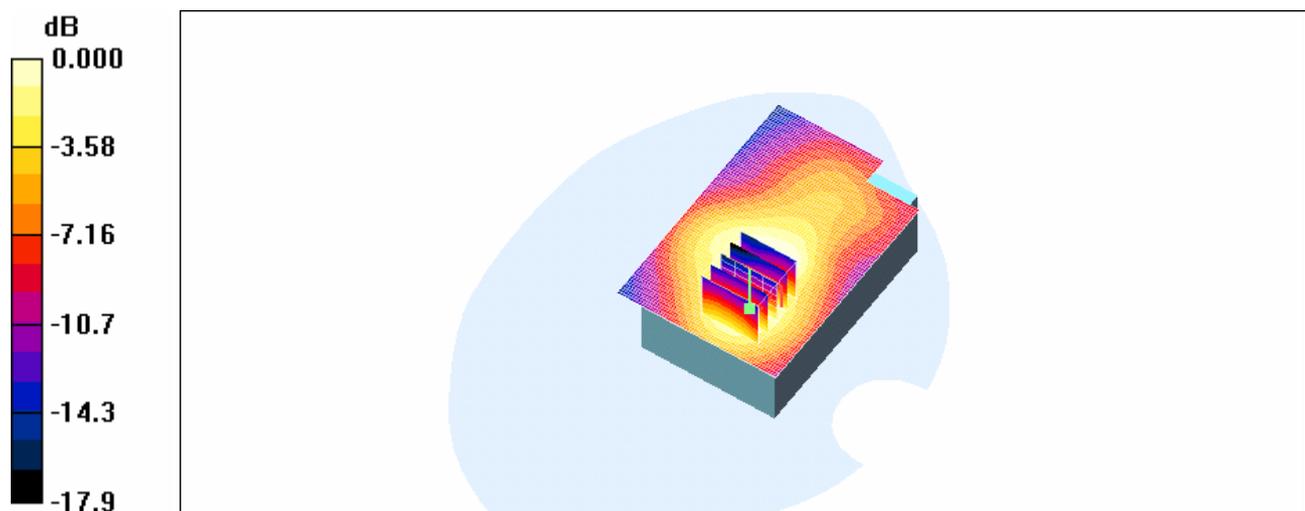Maximum value of SAR (interpolated) = 0.365 mW/g

BODY/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.2 V/m; Power Drift = -0.043 dB
Peak SAR (extrapolated) = 0.570 W/kg

SAR(1 g) = 0.324 mW/g; SAR(10 g) = 0.183 mW/g
Maximum value of SAR (measured) = 0.353 mW/g

0 dB = 0.353mW/g

BODY_CH661

DUT: HTC Gene 100; Type: GSM 1900; Serial: 353533010026998

Communication System: GSM1900; Frequency: 1880 MHz;Duty Cycle: 1:4
Medium: M1800 & 1900 Medium parameters used (interpolated): f = 1880 MHz; σ = 1.54 mho/m; ε_r = 53.2; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3578; ConvF(6.75, 6.75, 6.75); Calibrated: 2006/3/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn679; Calibrated: DAE not calibrated
- Phantom: SAM2; Type: SAM 4.0; Serial: TP:1270
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

BODY/Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm
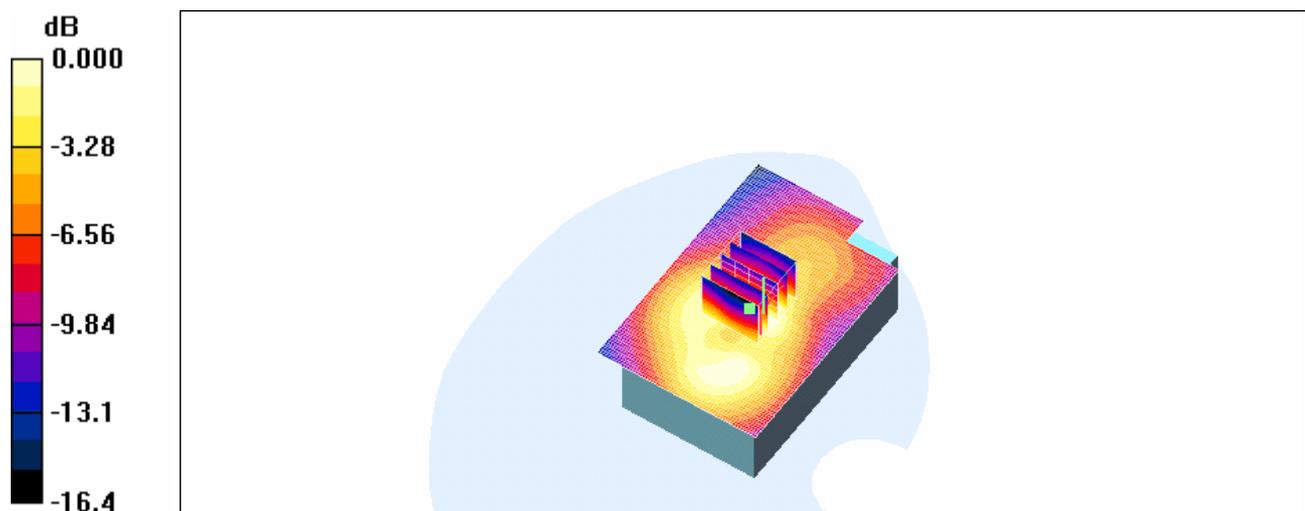Maximum value of SAR (interpolated) = 0.310 mW/g

BODY/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.3 V/m; Power Drift = -0.060 dB
Peak SAR (extrapolated) = 0.475 W/kg

SAR(1 g) = 0.294 mW/g; SAR(10 g) = 0.174 mW/g
Maximum value of SAR (measured) = 0.315 mW/g

0 dB = 0.315mW/g

BODY_CH810

DUT: HTC Gene 100; Type: GSM 1900; Serial: 353533010026998

Communication System: GSM1900; Frequency: 1909.8 MHz;Duty Cycle: 1:4
Medium: M1800 & 1900 Medium parameters used: f = 1910 MHz; σ = 1.57 mho/m; ε_r = 53.1; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3578; ConvF(6.75, 6.75, 6.75); Calibrated: 2006/3/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn679; Calibrated: DAE not calibrated
- Phantom: SAM2; Type: SAM 4.0; Serial: TP:1270
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

BODY/Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm
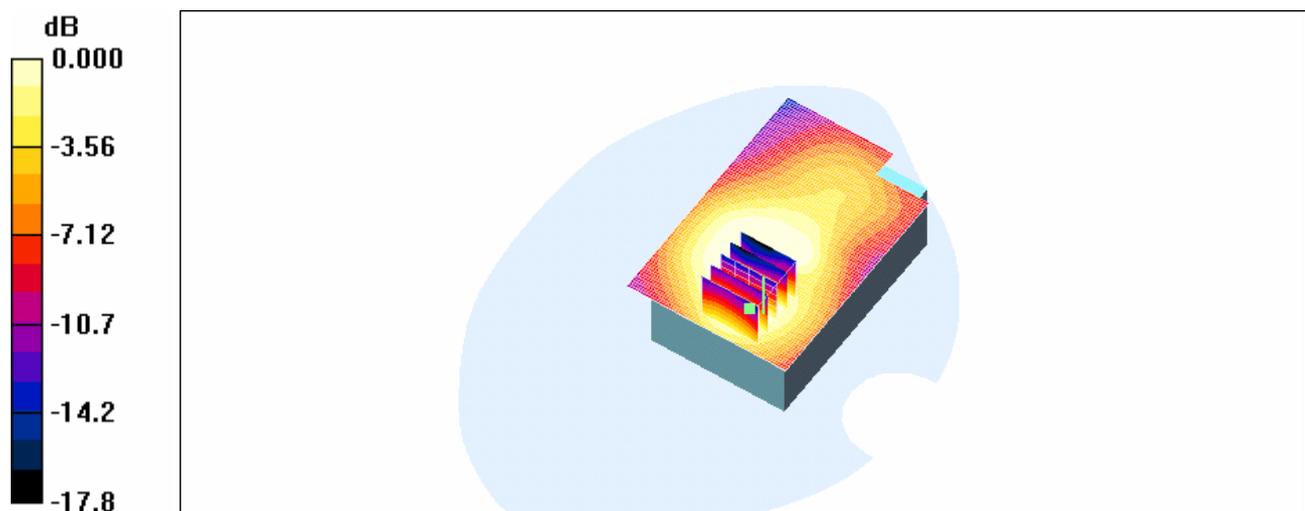Maximum value of SAR (interpolated) = 0.326 mW/g

BODY/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.7 V/m; Power Drift = -0.005 dB
Peak SAR (extrapolated) = 0.483 W/kg

SAR(1 g) = 0.285 mW/g; SAR(10 g) = 0.170 mW/g
Maximum value of SAR (measured) = 0.300 mW/g

0 dB = 0.300mW/g

SAR System Performance Verification

DUT: Dipole 900 MHz; Type: D900V2; Serial: SN:168

Communication System: CW; Frequency: 900 MHz;Duty Cycle: 1:1
Medium: Head 900 MHz Medium parameters used: f = 900 MHz; σ = 0.987 mho/m; ε_r = 42.2; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3578; ConvF(8.38, 8.38, 8.38); Calibrated: 2006/3/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn679; Calibrated: DAE not calibrated
- Phantom: SAM 12; Type: SAM 4.0; Serial: TP:1150
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Pin=250mW/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm
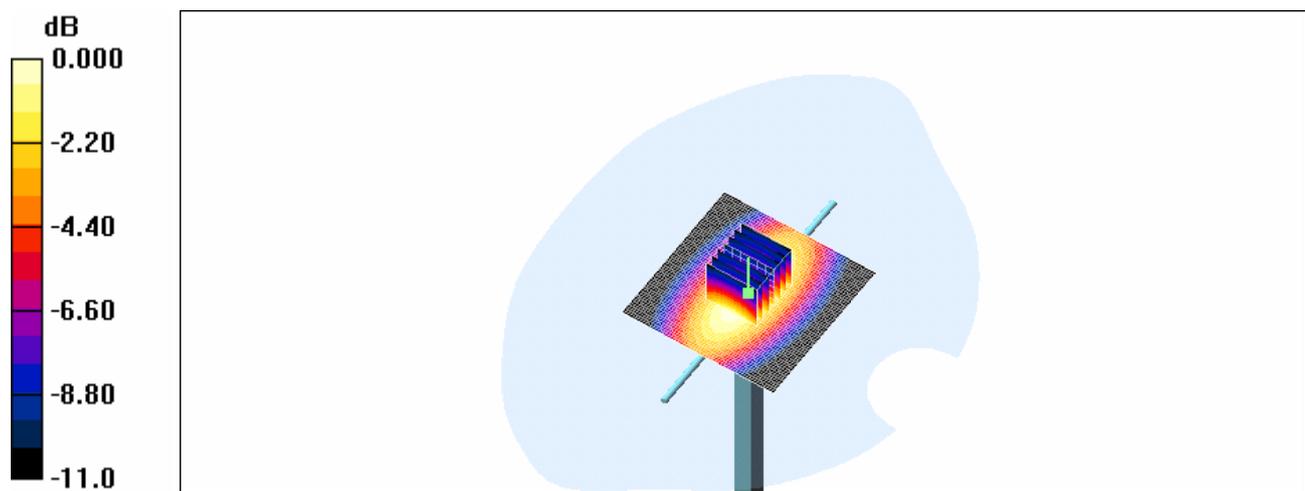Maximum value of SAR (interpolated) = 2.87 mW/g

Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 54.1 V/m; Power Drift = -0.059 dB
Peak SAR (extrapolated) = 4.09 W/kg

SAR(1 g) = 2.65 mW/g; SAR(10 g) = 1.69 mW/g
Maximum value of SAR (measured) = 2.86 mW/g

0 dB = 2.86mW/g

SAR System Performance Verification

DUT: Dipole 900 MHz; Type: D900V2; Serial: SN:168

Communication System: CW; Frequency: 900 MHz;Duty Cycle: 1:1
Medium: Muscle 900 MHz Medium parameters used (interpolated): f = 900 MHz; σ = 0.994 mho/m; ε_r
= 53.2; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3578; ConvF(6.75, 6.75, 6.75); Calibrated: 2006/3/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn679; Calibrated: DAE not calibrated
- Phantom: SAM2; Type: SAM 4.0; Serial: TP:1270
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Pin=250mW/Area Scan (101x101x1): Measurement grid: dx=10mm, dy=10mm
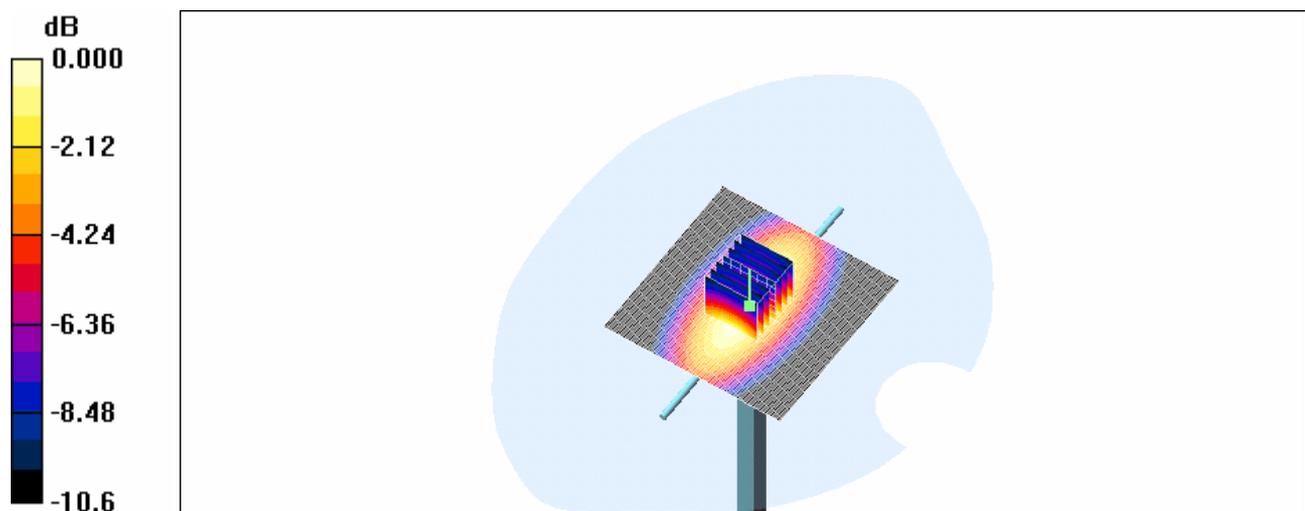Maximum value of SAR (interpolated) = 2.81 mW/g

Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 55.1 V/m; Power Drift = -0.012 dB
Peak SAR (extrapolated) = 3.82 W/kg

SAR(1 g) = 2.59 mW/g; SAR(10 g) = 1.68 mW/g
Maximum value of SAR (measured) = 2.80 mW/g

0 dB = 2.80mW/g

SAR System Performance Verification

DUT: Dipole 1900 MHz; Type: D1900V2; Serial: SN:5d027

Communication System: CW; Frequency: 1900 MHz;Duty Cycle: 1:1
Medium: Head 1900MHz Medium parameters used: f = 1900 MHz; σ = 1.38 mho/m; ε_r = 38.5; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3578; ConvF(6.98, 6.98, 6.98); Calibrated: 2006/3/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn679; Calibrated: DAE not calibrated
- Phantom: SAM 12; Type: SAM 4.0; Serial: TP:1150
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Pin=250mW/Area Scan (51x61x1): Measurement grid: dx=15mm, dy=15mm
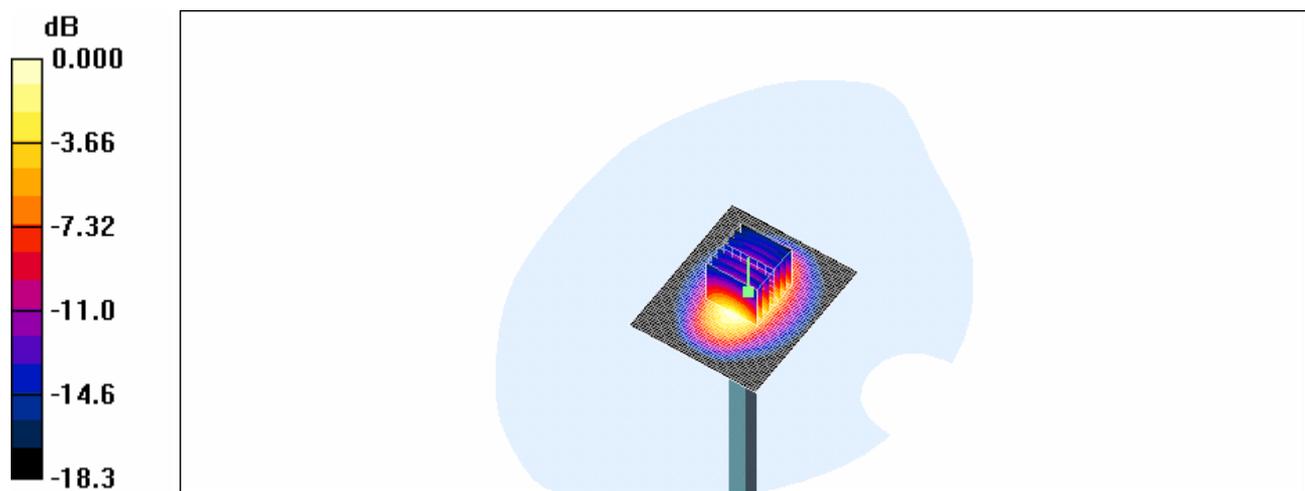Maximum value of SAR (interpolated) = 13.9 mW/g

Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 93.7 V/m; Power Drift = -0.212 dB
Peak SAR (extrapolated) = 19.7 W/kg

SAR(1 g) = 10.4 mW/g; SAR(10 g) = 5.35 mW/g
Maximum value of SAR (measured) = 11.6 mW/g

dB
0.000
-3.66
-7.32
-11.0
-14.6
-18.3

0 dB = 11.6mW/g

SAR System Performance Verification

DUT: Dipole 1900 MHz; Type: D1900V2; Serial: SN:5d027

Communication System: CW; Frequency: 1900 MHz;Duty Cycle: 1:1
Medium: M1800 & 1900 Medium parameters used (interpolated): f = 1900 MHz; σ = 1.46 mho/m; ε_r = 53.7; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3578; ConvF(7.03, 7.03, 7.03); Calibrated: 2006/3/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn679; Calibrated: DAE not calibrated
- Phantom: SAM 12; Type: SAM 4.0; Serial: TP:1150
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Pin=250mW/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm
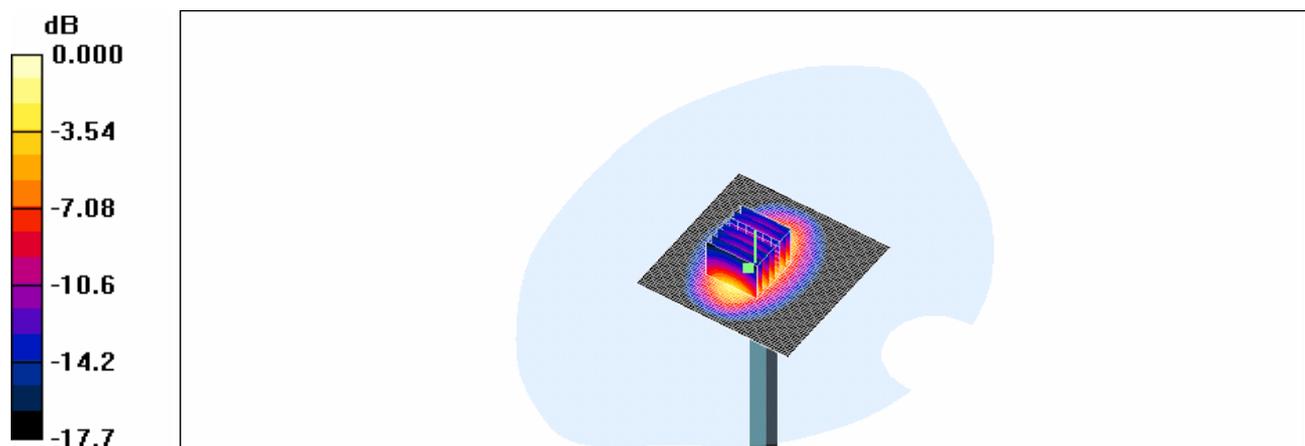Maximum value of SAR (interpolated) = 11.7 mW/g

Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 80.5 V/m; Power Drift = -0.052 dB
Peak SAR (extrapolated) = 17.9 W/kg

SAR(1 g) = 9.61 mW/g; SAR(10 g) = 4.99 mW/g
Maximum value of SAR (measured) = 10.8 mW/g

0 dB = 10.8mW/g