



## SAR Test Report

Product Name : GSM Mobile Phone  
Model No. : HUAWEI G3621, HUAWEI G3621L  
FCC ID : QISG3621

Applicant : Huawei Technologies Co., Ltd.  
Address : Administration Building, Headquarters of Huawei  
Technologies Co., Ltd., Bantian, Longgang District,  
Shenzhen, 518129, P.R.C

Date of Receipt : 29/10/2012  
Date of Test : 20/11/2012  
Issued Date : 22/11/2012  
Report No. : 12AS043R-HP-US-P03V01  
Report Version : V1.0

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## Test Report Certification

Issued Date: 22/11/2012

Report No.: 12AS043R-HP-US-P03V01



Product Name : GSM Mobile Phone

Applicant : Huawei Technologies Co., Ltd.

Address : Administration Building, Headquarters of Huawei Technologies Co., Ltd., Bantian, Longgang District, Shenzhen, 518129, P.R.C

Manufacturer : Huawei Technologies Co., Ltd.

Address : Administration Building, Headquarters of Huawei Technologies Co., Ltd., Bantian, Longgang District, Shenzhen, 518129, P.R.C

Model No. : HUAWEI G3621, HUAWEI G3621L

FCC ID : QISG3621

Brand Name : HUAWEI

EUT Voltage : DC 3.7V

Applicable Standard : FCC Oet65 Supplement C June 2001  
IEEE Std. 1528-2003,47CFR § 2.1093

Test Result : Max. SAR Measurement (1g)  
G3621: Head: 1.2 W/kg, Body: 1.06 W/kg

Performed Location : Suzhou EMC Laboratory  
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## 1. General Information

### 1.1. EUT Description

Product Name	GSM Mobile Phone
Model No.	HUAWEI G3621, HUAWEI G3621L
IMEI for G3621	135790246811220
Hardware Version	92621-1-12
Software Version	G3621V100R001C00B100SP00S for G3621 G3621LV100R001C00B100SP00S for G3621L
Device Category	Portable
RF Exposure Environment	Uncontrolled
Antenna Type	Internal
<b>2G</b>	
Support Band	GSM850/PCS1900
GPRS Type	Class B
GPRS Class	Class 12
Uplink	GSM 850: 824~849MHz PCS 1900: 1850~1910MHz
Downlink	GSM 850: 869~894MHz PCS 1900: 1930~1990MHz
Release Version	R99
Type of modulation	GMSK
Antenna Gain	GSM850: 2dBi PCS1900: 1dBi
Max. Output Power (Conducted)	GSM850: 32.44dBm PCS1900: 29.96dBm
Max. Output Power (Radiated)	GSM850: 34.12dBm- ERP PCS1900: 30.72dBm- EIRP
<b>Components</b>	
Headset Model Number #1	HUAWEI/ MEMD1532B315000
Headset Model Number #2	HUAWEI/ 120+333F#3.5MM
Battery #1	Brand Name: HUAWEI M/N: HBL3A Rated Voltage and Capacitance: 3.7V/600mAh S/N: HT121018A00465

Battery #2	Brand Name: HUAWEI M/N: HBL3A Rated Voltage and Capacitance: 3.7V/600mAh S/N: FH121010A00410
Battery #3	Brand Name: HUAWEI M/N: HBL3A Rated Voltage and Capacitance: 3.7V/600mAh S/N: WADAC03XA4400001
Adapter #1	Brand Name: HUAWEI M/N: H05Z Input: 100-240V~50/60Hz 0.2A Output: 5Vdc, 0.5A S/N: W12110624971
Adapter #2	Brand Name: HUAWEI M/N: H05Z Input: 100-240V~50/60Hz 0.1A Output: 5Vdc, 0.5A S/N: W11626A12422
Adapter #3	Brand Name: HUAWEI M/N: A361-0500500U Input: 100-240V~50/60Hz 0.2A Output: 5Vdc, 500mA Manufacturer: Aohai

Note:

G3621 is the main test platform, G3621L don't support GPRS, and the others are the same, the Max. SAR Measurement (1g) for G3621L: Head: 1.2 W/kg, Body: 0.637 W/kg

**1.2. Test Procedure**

1	Setup the EUT and simulators as shown on above.
2	Turn on the power of all equipment.
3	EUT communicate with CMU 200, and test them respectively.

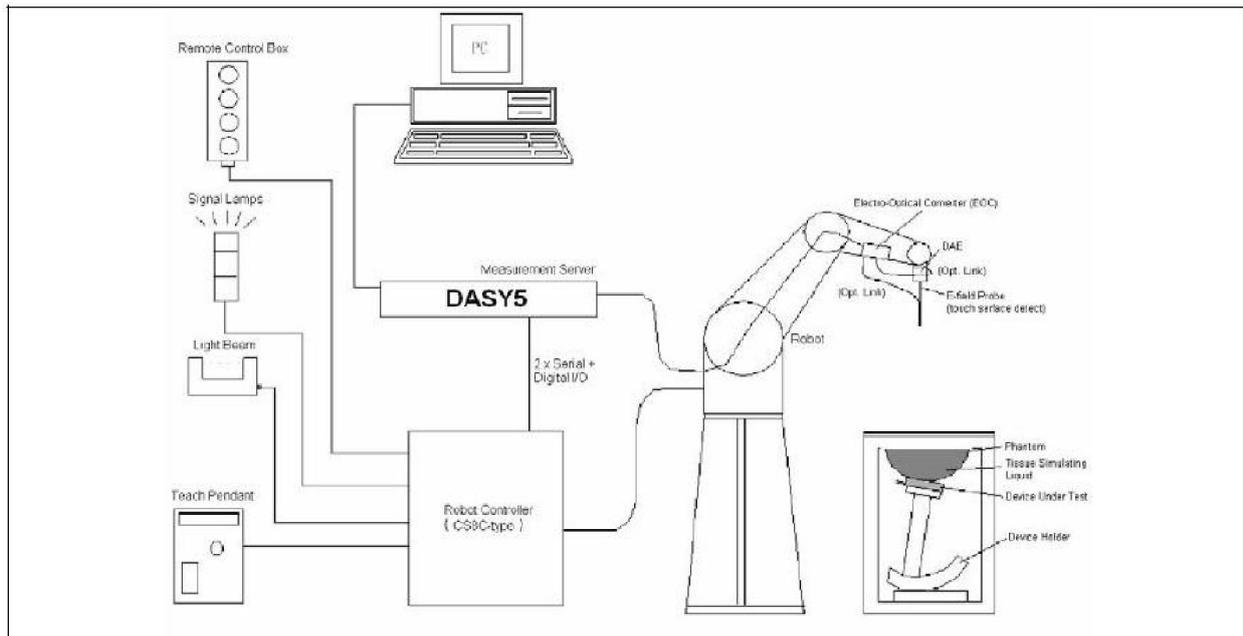
**1.3. Test Environment**

Ambient conditions in the laboratory:

<b>Items</b>	<b>Required</b>	<b>Actual</b>
Temperature (°C)	18-25	21.5± 2
Humidity (%RH)	30-70	52

## 2. SAR Measurement System

### 2.1. DASY5 System Description



The DASY5 system for performing compliance tests consists of the following items:

- A standard high precision 6-axis robot with controller, teach pendant and software. An arm extension for accommodating the data acquisition electronics (DAE).
- 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 from optical to electrical signals for the digital communication to the DAE. To use optical surface detection, a special version of the EOC is required. The EOC signal is transmitted to the measurement server.
- The Light Beam used is for probe alignment. This improves the (absolute) accuracy of the probe positioning.
- A computer running WinXP and the DASY5 software.
- Remote control and teach pendant as well as additional circuitry for robot safety such as warning lamps, etc.
- The phantom, the device holder and other accessories according to the targeted measurement.

### **2.1.1. Applications**

Predefined procedures and evaluations for automated compliance testing with all worldwide standards, e.g., IEEE 1528, OET 65, IEC 62209-1, IEC 62209-2, EN 50360, EN 50383 and others.

### **2.1.2. Area Scans**

Area scans are defined prior to the measurement process being executed with a user defined variable spacing between each measurement point (integral) allowing low uncertainty measurements to be conducted. Scans defined for FCC applications utilize a 10mm<sup>2</sup> step integral, with 1mm interpolation used to locate the peak SAR area used for zoom scan assessments.

When an Area Scan has measured all reachable points, it computes the field maxima found in the scanned area, within a range of the global maximum. The range (in dB) is specified in the standards for compliance testing. For example, a 2 dB range is required in IEEE 1528-2003 and IEC 62209 standards, whereby 3 dB is a requirement when compliance is assessed in accordance with the ARIB standard (Japan).

### **2.1.3. Zoom Scan (Cube Scan Averaging)**

Zoom Scans are used to assess the peak spatial SAR values within a cubic averaging volume containing 1 g and 10 g of simulated tissue. A density of 1000 kg/m<sup>3</sup> is used to represent the head and body tissue density and not the phantom liquid density, in order to be consistent with the definition of the liquid dielectric properties, i.e. the side length of the 1 g cube is 10mm, with the side length of the 10 g cube 21,5mm.

The zoom scan integer steps can be user defined so as to reduce uncertainty, but normal practice for typical test applications utilize a physical step of 7x7x7 (5mmx5mmx5mm) providing a volume of 30mm in the X & Y axis, and 30mm in the Z axis.

### **2.1.4. Uncertainty of Inter-/Extrapolation and Averaging**

In order to evaluate the uncertainty of the interpolation, extrapolation and averaged SAR calculation algorithms of the Postprocessor, DASYS5 allows the generation of measurement grids which are artificially predefined by analytically based test functions. Therefore, the grids of area scans and zoom scans can be filled with uncertainty test data, according to the SAR benchmark functions of IEEE 1528. The three analytical functions shown in equations as below are used to describe the possible range of the expected SAR distributions for the tested handsets. The field gradients are covered by the spatially flat distribution f1, the spatially steep distribution f3 and f2 accounts for H-field cancellation on the phantom/tissue surface.

$$f_1(x, y, z) = Ae^{-\frac{z}{2a}} \cos^2 \left( \frac{\pi \sqrt{x'^2 + y'^2}}{2 \cdot 5a} \right)$$

$$f_2(x, y, z) = Ae^{-\frac{z}{a}} \frac{a^2}{a^2 + x'^2} \left( 3 - e^{-\frac{2z}{a}} \right) \cos^2 \left( \frac{\pi y'}{2 \cdot 3a} \right)$$

$$f_3(x, y, z) = A \frac{a^2}{\frac{a^2}{4} + x'^2 + y'^2} \left( e^{-\frac{2z}{a}} + \frac{a^2}{2(a + 2z)^2} \right)$$

**2.2. DASY5 E-Field Probe**

The SAR measurement is conducted with the dosimetric probe manufactured by SPEAG. The probe is specially designed and calibrated for use in liquid with high permittivity. The dosimetric probe has special calibration in liquid at different frequency. SPEAG conducts the probe calibration in compliance with international and national standards (e.g. IEEE 1528, EN 62209-1, IEC 62209, etc.) under ISO 17025. The calibration data are in Appendix D.

**2.2.1. Isotropic E-Field Probe Specification**

<b>Model</b>	EX3DV4	
<b>Construction</b>	Symmetrical design with triangular core Built-in shielding against static charges PEEK enclosure material (resistant to organic solvents, e.g., DGBE)	
<b>Frequency</b>	10 MHz to 6 GHz Linearity: ± 0.2 dB (30 MHz to 6 GHz)	
<b>Directivity</b>	± 0.3 dB in HSL (rotation around probe axis) ± 0.5 dB in tissue material (rotation normal to probe axis)	
<b>Dynamic Range</b>	10 µW/g to 100 mW/g Linearity: ± 0.2 dB (noise: typically < 1 µW/g)	
<b>Dimensions</b>	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	
<b>Application</b>	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%.	

**2.3. Boundary Detection Unit and Probe Mounting Device**

The DASY5 probes use a precise connector and an additional holder for the probe, consisting of a plastic tube and a flexible silicon ring to center the probe. The connector at the DAE is flexibly mounted and held in the default position with magnets and springs. Two switching systems in the connector mount detect frontal and lateral probe collisions and trigger the necessary software response.



**2.4. DATA Acquisition Electronics (DAE) and Measurement Server**

The data acquisition electronics (DAE) consists of a highly sensitive electrometer-grade preamplifier with auto-zeroing, a channel and gain-switching multiplexer, a fast 16 bit AD-converter and a command decoder and control logic unit.



Transmission to the measurement server is accomplished through an optical downlink for data and status information as well as an optical uplink for commands and the clock.

The input impedance of the DAE4 is 200M Ohm; the inputs are symmetrical and floating. Common mode rejection is above 80dB.

The DASY5 measurement server is based on a PC/104 CPU board with a 400MHz intel ULV Celeron, 128MB chipdisk and 128MB RAM. The necessary circuits for communication with the DAE electronics box, as well as the 16 bit AD converter system for optical detection and digital I/O interface are contained on the DASY5 I/O board, which is directly connected to the PC/104 bus of the CPU board.



## 2.5. Robot

The DASY5 system uses the high precision robots TX90 XL type out of the newer series from Stäubli SA (France). For the 6-axis controller DASY5 system, the CS8C robot controller version from Stäubli is used.

The XL robot series have many features that are important for our application:

- High precision (repeatability 0.02 mm)
- High reliability (industrial design)
- Jerk-free straight movements
- Low ELF interference (the closed metallic construction shields against motor control fields)
- 6-axis controller



## 2.6. Light Beam Unit

The light beam switch allows automatic "tooling" of the probe. During the process, the actual position of the probe tip with respect to the robot arm is measured, as well as the probe length and the horizontal probe offset. The software then corrects all movements, such that the robot coordinates are valid for the probe tip.

The repeatability of this process is better than 0.1 mm. If a position has been taught with an aligned probe, the same position will be reached with another aligned probe within 0.1 mm, even if the other probe has different dimensions. During probe rotations, the probe tip will keep its actual position.



### 2.7. Device Holder

The DASY5 device holder is designed to cope with different positions given in the standard. It has two scales for the device rotation (with respect to the body axis) and the device inclination (with respect to the line between the ear reference points). The rotation center for both scales is the ear reference point (EPR).

Thus the device needs no repositioning when changing the angles.

The DASY5 device holder has been made out of low-loss POM material having the following dielectric parameters: relative permittivity  $\epsilon_r = 3$  and loss tangent  $\delta = 0.02$ . The amount of dielectric material has been reduced in the closest vicinity of the device, since measurements have suggested that the influence of the clamp on the test results could thus be lowered.



### 2.8. SAM Twin Phantom

The SAM twin phantom is a fiberglass shell phantom with 2mm shell thickness (except the ear region where shell thickness increases to 6mm). It has three measurement areas:

- Left head
- Right head
- Flat phantom



The bottom plate contains three pair of bolts for locking the device holder. The device holder positions are adjusted to the standard measurement positions in the three sections. A white cover is provided to tap the phantom during off-periods to prevent water evaporation and changes in the liquid parameters. On the phantom top, three reference markers are provided to identify the phantom position with respect to the robot.

### 3. Tissue Simulating Liquid

#### 3.1. The composition of the tissue simulating liquid

INGREDIENT (% Weight)	835MHz Head	835MHz Body	1900MHz Head	1900MHz Body
<b>Water</b>	40.45	52.4	54.90	40.5
<b>Salt</b>	1.45	1.40	0.18	0.50
<b>Sugar</b>	57.6	45.0	0.00	58.0
<b>HEC</b>	0.40	1.00	0.00	0.50
<b>Preventol</b>	0.10	0.20	0.00	0.50
<b>DGBE</b>	0.00	0.00	44.92	0.00

### 3.2. Tissue Calibration Result

The dielectric parameters of the liquids were verified prior to the SAR evaluation using DASY5 Dielectric Probe Kit and Agilent Vector Network Analyzer E5071C

<b>Head Tissue Simulant Measurement</b>				
Frequency [MHz]	Description	Dielectric Parameters		Tissue Temp. [°C]
		$\epsilon_r$	$\sigma$ [s/m]	
835 MHz	Reference result ± 5% window	41.50 39.43 to 43.58	0.90 0.86 to 0.95	N/A
	20-11-2012	42.05	0.88	21.0
1900 MHz	Reference result ± 5% window	40.00 38.00 to 42.00	1.40 1.33 to 1.47	N/A
	20-11-2012	40.53	1.44	21.0

<b>Body Tissue Simulant Measurement</b>				
Frequency [MHz]	Description	Dielectric Parameters		Tissue Temp. [°C]
		$\epsilon_r$	$\sigma$ [s/m]	
835 MHz	Reference result ± 5% window	55.2 52.44 to 57.96	0.97 0.92 to 1.02	N/A
	20-11-2012	55.63	0.97	21.0
1900 MHz	Reference result ± 5% window	53.3 50.64 to 55.97	1.52 1.44 to 1.60	N/A
	20-11-2012	52.99	1.56	21.0

### 3.3. Tissue Dielectric Parameters for Head and Body Phantoms

The head tissue dielectric parameters recommended by the IEEE SCC-34/SC-2 in P1528 have been incorporated in the following table. These head parameters are derived from planar layer models simulating the highest expected SAR for the dielectric properties and tissue thickness variations in a human head. Other head and body tissue parameters that have not been specified in P1528 are derived from the tissue dielectric parameters computed from the 4-Cole-Cole equations described in Reference [12] and extrapolated according to the head parameters specified in P1528.

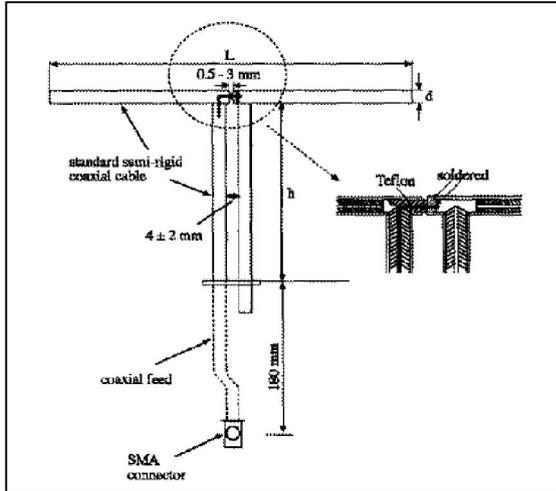
Target Frequency (MHz)	Head		Body	
	$\epsilon_r$	$\sigma$ (S/m)	$\epsilon_r$	$\sigma$ (S/m)
150	52.3	0.76	61.9	0.80
300	45.3	0.87	58.2	0.92
450	43.5	0.87	56.7	0.94
<b>835</b>	<b>41.5</b>	<b>0.90</b>	<b>55.2</b>	<b>0.97</b>
900	41.5	0.97	55.0	1.05
915	41.5	0.98	55.0	1.06
1450	40.5	1.20	54.0	1.30
1610	40.3	1.29	53.8	1.40
<b>1800 – 2000</b>	<b>40.0</b>	<b>1.40</b>	<b>53.3</b>	<b>1.52</b>
2450	39.2	1.80	52.7	1.95
3000	38.5	2.40	52.0	2.73
5800	35.3	5.27	48.2	6.00

( $\epsilon_r$  = relative permittivity,  $\sigma$  = conductivity and  $\rho = 1000 \text{ kg/m}^3$ )

## 4. SAR Measurement Procedure

### 4.1. SAR System Validation

#### 4.1.1. Validation Dipoles



The dipoles used is based on the IEEE-1528 standard, and is complied with mechanical and electrical specifications in line with the requirements of both IEEE and FCC Supplement C. the table below provides details for the mechanical and electrical specifications for the dipoles.

Frequency	L (mm)	h (mm)	d (mm)
835MHz	161.0	89.8	3.6
1900MHz	68.0	39.5	3.6

**4.1.2. Validation Result**

<b>System Performance Check at 835MHz &amp;1900MHz for Head</b>				
<b>Validation Kit: D835V2-SN 4d094</b>				
Frequency [MHz]	Description	SAR [w/kg] 1g	SAR [w/kg] 10g	Tissue Temp. [°C]
835 MHz	Reference result ± 10% window	9.41 8.47 to 10.35	6.15 5.54 to 6.77	N/A
	20-11-2012	9.52	6.24	21.0
<b>Validation Kit: D1900V2-SN 5d121</b>				
Frequency [MHz]	Description	SAR [w/kg] 1g	SAR [w/kg] 10g	Tissue Temp. [°C]
1900 MHz	Reference result ± 10% window	39.4 35.46 to 43.34	20.8 18.72 to 22.88	N/A
	20-11-2012	39.72	20.08	21.0
Note: All SAR values are normalized to 1W forward power.				
<b>System Performance Check at 835MHz &amp;1900MHz for Body</b>				
<b>Validation Kit: D835V2-SN 4d094</b>				
Frequency [MHz]	Description	SAR [w/kg] 1g	SAR [w/kg] 10g	Tissue Temp. [°C]
835 MHz	Reference result ± 10% window	9.57 8.61 to 10.53	6.33 5.70 to 6.96	N/A
	20-11-2012	8.20	6.52	21.0
<b>Validation Kit: D1900V2-SN 5d121</b>				
Frequency [MHz]	Description	SAR [w/kg] 1g	SAR [w/kg] 10g	Tissue Temp. [°C]
1900 MHz	Reference result ± 10% window	38.7 34.83 to 42.57	20.4 18.36 to 22.44	N/A
	20-11-2012	42.00	21.72	21.0
Note: All SAR values are normalized to 1W forward power.				

#### 4.2. SAR Measurement Procedure

The DASY5 calculates SAR using the following equation,

$$SAR = \frac{\sigma |E|^2}{\rho}$$

$\sigma$ : represents the simulated tissue conductivity

$\rho$ : represents the tissue density

The EUT is set to transmit at the required power in line with product specification, at each frequency relating to the LOW, MID, and HIGH channel settings.

Pre-scans are made on the device to establish the location for the transmitting antenna, using a large area scan in either air or tissue simulation fluid.

The EUT is placed against the Universal Phantom where the maximum area scan dimensions are larger than the physical size of the resonating antenna. When the scan size is not large enough to cover the peak SAR distribution, it is modified by either extending the area scan size in both the X and Y directions, or the device is shifted within the predefined area.

The area scan is then run to establish the peak SAR location (interpolated resolution set at 1mm<sup>2</sup> ) which is then used to orient the center of the zoom scan. The zoom scan is then executed and the 1g and 10g averages are derived from the zoom scan volume (interpolated resolution set at 1mm<sup>3</sup> ).

## 5. SAR Exposure Limits

SAR assessments have been made in line with the requirements of IEEE-1528, FCC Supplement C, and comply with ANSI/IEEE C95.1-1992 “Uncontrolled Environments” limits. These limits apply to a location which is deemed as “Uncontrolled Environment” which can be described as a situation where the general public may be exposed to an RF source with no prior knowledge or control over their exposure.

### Limits for General Population/Uncontrolled Exposure (W/kg)

Type Exposure	Uncontrolled Environment Limit
Spatial Peak SAR (1g cube tissue for brain or body)	1.60 W/kg
Spatial Average SAR (whole body)	0.08 W/kg
Spatial Peak SAR (10g for hands, feet, ankles and wrist)	4.00 W/kg

## 6. Test Equipment List

Instrument	Manufacturer	Model No.	Serial No.	Cali. Due Date
Stäubli Robot TX60L	Stäubli	TX60L	F10/5C90A1/A/01	only once
Controller	Stäubli	SP1	S-0034	only once
Dipole Validation Kits	Speag	D835V2	4d094	2013.02.17
Dipole Validation Kits	Speag	D1900V2	5d121	2013.02.22
SAM Twin Phantom	Speag	SAM	TP-1561/1562	N/A
Device Holder	Speag	SD 000 H01 HA	N/A	N/A
Data Acquisition Electronic	Speag	DAE4	1220	2013.01.23
E-Field Probe	Speag	EX3DV4	3710	2013.03.12
SAR Software	Speag	DASY5	V5.2 Build 162	N/A
Power Amplifier	Mini-Circuit	ZVA-183-S+	N657400950	N/A
Directional Coupler	Agilent	778D	20160	N/A
Universal Radio Communication Tester	R&S	CMU 200	117088	2013.04.18
Vector Network	Agilent	E5071C	MY48367267	2013.04.10
Signal Generator	Agilent	E4438C	MY49070163	2013.04.18
Power Meter	Anritsu	ML2495A	0905006	2013.11.10
Wide Bandwidth Sensor	Anritsu	MA2411B	0846014	2013.11.10

7. Measurement Uncertainty

DASY5 Uncertainty								
Measurement uncertainty for 300 MHz to 3 GHz averaged over 1 gram / 10 gram.								
Error Description	Uncert. value	Prob. Dist.	Div.	(ci) 1g	(ci) 10g	Std. Unc. (1g)	Std. Unc. (10g)	(vi) $v_{eff}$
<b>Measurement System</b>								
Probe Calibration	±6.0%	N	1	1	1	±6.0%	±6.0%	∞
Axial Isotropy	±4.7%	R	$\sqrt{3}$	0.7	0.7	±1.9%	±1.9%	∞
Hemispherical Isotropy	±9.6%	R	$\sqrt{3}$	0.7	0.7	±3.9%	±3.9%	∞
Boundary Effects	±1.0%	R	$\sqrt{3}$	1	1	±0.6%	±0.6%	∞
Linearity	±4.7%	R	$\sqrt{3}$	1	1	±2.7%	±2.7%	∞
System Detection Limits	±1.0%	R	$\sqrt{3}$	1	1	±0.6%	±0.6%	∞
Readout Electronics	±0.3%	N	1	1	1	±0.3%	±0.3%	∞
Response Time	±0.8%	R	$\sqrt{3}$	1	1	±0.5%	±0.5%	∞
Integration Time	±2.6%	R	$\sqrt{3}$	1	1	±1.5%	±1.5%	∞
RF Ambient Noise	±3.0%	R	$\sqrt{3}$	1	1	±1.7%	±1.7%	∞
RF Ambient Reflections	±3.0%	R	$\sqrt{3}$	1	1	±1.7%	±1.7%	∞
Probe Positioner	±0.4%	R	$\sqrt{3}$	1	1	±0.2%	±0.2%	∞
Probe Positioning	±2.9%	R	$\sqrt{3}$	1	1	±1.7%	±1.7%	∞
Max. SAR Eval.	±1.0%	R	$\sqrt{3}$	1	1	±0.6%	±0.6%	∞
<b>Test Sample Related</b>								
Device Positioning	±2.9%	N	1	1	1	±2.9%	±2.9%	145
Device Holder	±3.6%	N	1	1	1	±3.6%	±3.6%	5
Power Drift	±5.0%	R	$\sqrt{3}$	1	1	±2.9%	±2.9%	∞
<b>Phantom and Setup</b>								
Phantom Uncertainty	±4.0%	R	$\sqrt{3}$	1	1	±2.3%	±2.3%	∞
Liquid Conductivity (target)	±5.0%	R	$\sqrt{3}$	0.64	0.43	±1.8%	±1.2%	∞
Liquid Conductivity (meas.)	±2.5%	N	1	0.64	0.43	±1.6%	±1.1%	∞
Liquid Permittivity (target)	±5.0%	R	$\sqrt{3}$	0.6	0.49	±1.7%	±1.4%	∞
Liquid Permittivity (meas.)	±2.5%	N	1	0.6	0.49	±1.5%	±1.2%	∞
<b>Combined Std. Uncertainty</b>						±11.0%	±10.8%	387
<b>Expanded STD Uncertainty</b>						±22.0%	±21.5%	

## 8. Conducted Power Measurement

Mode	Frequency (MHz)	Avg. Burst Power (dBm)	Duty Cycle Factor (dB)	Frame Power (dBm)
Maximum Power				
GSM850	824.2	32.44	-9	23.44
	836.4	32.39	-9	23.39
	848.8	32.36	-9	23.36
GPRS850(1 Slot)	824.2	32.43	-9	23.43
	836.4	32.37	-9	23.37
	848.8	32.35	-9	23.35
GPRS850(2 Slot)	824.2	30.21	-6	24.21
	836.4	30.17	-6	24.17
	848.8	30.12	-6	24.12
GPRS850(3 Slot)	824.2	29.32	-4.25	25.07
	836.4	29.28	-4.25	25.03
	848.8	29.22	-4.25	24.97
GPRS850(4 Slot)	824.2	28.36	-3	25.36
	836.4	28.32	-3	25.32
	848.8	28.26	-3	25.26
PCS1900	1850.2	29.96	-9	20.96
	1880.0	29.93	-9	20.93
	1909.8	29.90	-9	20.90
GPRS1900(1 Slot)	1850.2	29.95	-9	20.95
	1880.0	29.92	-9	20.92
	1909.8	29.89	-9	20.89
GPRS1900(2 Slot)	1850.2	27.26	-6	21.26
	1880.0	27.32	-6	21.32
	1909.8	27.31	-6	21.31
GPRS1900(3 Slot)	1850.2	26.49	-4.25	22.24
	1880.0	26.57	-4.25	22.32
	1909.8	26.53	-4.25	22.28
GPRS1900(4 Slot)	1850.2	25.51	-3	22.51
	1880.0	25.60	-3	22.60
	1909.8	25.55	-3	22.55

## **9. Test Results**

### **9.1. SAR Test Results Summary**

#### **9.1.1. Test position and configuration**

Head SAR was performed with the device configured in the positions according to IEEE1528, and Body SAR was performed with the device 15mm from the phantom. Body SAR was also performed with the headset attached and without.

#### **9.1.2. Body SAR with Headset**

Testing with the headset was performed at the position and channels that resulted in the highest body SAR. This testing was performed with GPRS transmitting with 2/3/4 uplink timeslots. This operation mode represents the maximum SAR situation, when downloading data via GPRS and listening to music by headset.

In the Body SAR test result table, body-worn means display of device down, body-front means display of device up.

#### **9.1.3. Operation Mode**

This is a multislots class 12 device capable of 4 uplink timeslots. During the head SAR test, the device was transmitting with 1 uplink timeslot; during the body SAR test, it was transmitting with 2/3/4 uplink timeslots. Additionally, this device doesn't support dual transfer mode (DTM).

#### **9.1.4. Reference document**

KDB 447498 and KDB941225.

**9.1.5. Test Result**

<b>SAR MEASUREMENT</b>							
Ambient Temperature (°C) : 21.5 ±2				Relative Humidity (%): 52			
Liquid Temperature (°C) : 21.0 ±2				Depth of Liquid (cm):>15			
Product: GSM Mobile Phone							
Test Mode: GSM850							
Test Position Head	Antenna Position	Frequency		Frame Power (dBm)	Power Drift (<±0.2)	SAR 1g (W/kg)	Limit (W/kg)
		Channel	MHz				
Left-Cheek	Fixed	128	824.2	23.44	-0.04	0.849	1.6
Left-Cheek	Fixed	189	836.4	23.39	-0.10	0.883	1.6
Left-Cheek	Fixed	251	848.8	23.36	-0.02	0.737	1.6
Left-Tilted	Fixed	189	836.4	23.39	-0.07	0.431	1.6
Right-Cheek	Fixed	128	824.2	23.44	-0.02	0.840	1.6
Right-Cheek	Fixed	189	836.4	23.39	-0.11	0.816	1.6
Right-Cheek	Fixed	251	848.8	23.36	0.08	0.701	1.6
Right-Tilted	Fixed	189	836.4	23.39	-0.10	0.418	1.6
Note: when the 1-g SAR is ≤ 0.8 W/kg, testing for low and high channel is optional, refer to KDB 941225.							

SAR MEASUREMENT								
Ambient Temperature (°C) : 21.5 ±2				Relative Humidity (%): 52				
Liquid Temperature (°C) : 21.0 ±2				Depth of Liquid (cm):>15				
Product: GSM Mobile Phone								
Test Mode: GSM850								
Test Position Body	Antenna Position	Frequency		Separation Distance (mm)	Frame Power (dBm)	Power Drift (<±0.2)	SAR 1g (W/kg)	Limit (W/kg)
		Channel	MHz					
Body-worn	Fixed	128	824.2	15	23.44	--	--	1.6
Body-worn	Fixed	189	836.4	15	23.39	-0.01	0.637	1.6
Body-worn	Fixed	251	848.8	15	23.36	--	--	1.6
Body-worn (With Headset #2)	Fixed	189	836.4	15	23.39	-0.08	0.568	1.6
Test Mode: GPRS850-2slot								
Body-worn	Fixed	189	836.4	15	24.17	-0.17	0.712	1.6
Test Mode: GPRS850-3slot								
Body-worn	Fixed	128	824.2	15	25.07	-0.11	0.934	1.6
Body-worn	Fixed	189	836.4	15	25.03	0.05	0.911	1.6
Body-worn	Fixed	251	848.8	15	24.97	0.02	0.707	1.6
Test Mode: GPRS850-4slot								
Body-worn	Fixed	128	824.2	15	25.36	-0.09	1.06	1.6
Body-worn	Fixed	189	836.4	15	25.32	-0.05	0.991	1.6
Body-worn	Fixed	251	848.8	15	25.26	0.03	0.768	1.6
Body-front	Fixed	128	824.2	15	25.36	0.10	0.611	1.6
Body-worn (With Headset #1)	Fixed	128	824.2	15	25.36	-0.06	0.814	1.6
Body-worn (With Headset #2)	Fixed	128	824.2	15	25.36	-0.10	0.773	1.6
Body-worn (With Battery #2)	Fixed	128	824.2	15	25.36	-0.13	0.968	1.6
Body-worn (With Battery #3)	Fixed	128	824.2	15	25.36	-0.17	0.926	1.6
Note: when the 1-g SAR is ≤ 0.8 W/kg, testing for low and high channel is optional, refer to KDB 941225.								

SAR MEASUREMENT							
Ambient Temperature (°C) : 21.5 ±2				Relative Humidity (%): 52			
Liquid Temperature (°C) : 21.0 ±2				Depth of Liquid (cm):>15			
Product: GSM Mobile Phone							
Test Mode: PCS1900							
Test Position Head	Antenna Position	Frequency		Frame Power (dBm)	Power Drift (<±0.2)	SAR 1g (W/kg)	Limit (W/kg)
		Channel	MHz				
Left-Cheek	Fixed	512	1850.2	20.96	-0.17	0.848	1.6
Left-Cheek	Fixed	661	1880.0	20.93	-0.10	0.899	1.6
Left-Cheek	Fixed	810	1909.8	20.90	-0.14	0.868	1.6
Left-Tilted	Fixed	661	1880.0	20.93	-0.09	0.175	1.6
Right-Cheek	Fixed	512	1850.2	20.96	0.05	0.990	1.6
Right-Cheek	Fixed	661	1880.0	20.93	0.17	1.200	1.6
Right-Cheek	Fixed	810	1909.8	20.90	0.09	1.120	1.6
Right-Tilted	Fixed	661	1880.0	20.93	0.10	0.203	1.6
Note: when the 1-g SAR is ≤ 0.8 W/kg, testing for low and high channel is optional, refer to KDB 941225.							

SAR MEASUREMENT								
Ambient Temperature (°C) : 21.5 ±2				Relative Humidity (%): 52				
Liquid Temperature (°C) : 21.0 ±2				Depth of Liquid (cm):>15				
Product: GSM Mobile Phone								
Test Mode: PCS1900								
Test Position Body	Antenna Position	Frequency		Separation Distance (mm)	Frame Power (dBm)	Power Drift (<±0.2)	SAR 1g (W/kg)	Limit (W/kg)
		Channel	MHz					
Body-worn	Fixed	512	1850.2	15	20.96	--	--	1.6
Body-worn	Fixed	661	1880.0	15	20.93	0.16	0.398	1.6
Body-worn	Fixed	810	1909.8	15	20.90	--	--	1.6
Body-front (With Headset #2)	Fixed	661	1880.0	15	20.93	0.01	0.503	1.6
Test Mode: GPRS1900-2slot								
Body-worn	Fixed	661	1880.0	15	21.32	0.07	0.417	1.6
Test Mode: GPRS1900-3slot								
Body-worn	Fixed	661	1880.0	15	22.32	0.08	0.522	1.6
Test Mode: GPRS1900-4slot								
Body-worn	Fixed	512	1850.2	15	22.51	--	--	1.6
Body-worn	Fixed	661	1880.0	15	22.60	-0.01	0.560	1.6
Body-worn	Fixed	810	1909.8	15	22.55	--	--	1.6
Body-front	Fixed	661	1909.8	15	22.60	-0.03	0.472	1.6
Body-worn (With Headset #1)	Fixed	661	1909.8	15	22.60	-0.01	0.643	1.6
Body-worn (With Headset #2)	Fixed	661	1909.8	15	22.60	0.15	0.724	1.6
Body-front (With Headset #2 & Battery #2)	Fixed	661	1909.8	15	22.60	-0.02	0.727	1.6
Body-front (With Headset #2 & Battery #3)	Fixed	661	1909.8	15	22.60	-0.05	0.720	1.6
Note: when the 1-g SAR is ≤ 0.8 W/kg, testing for low and high channel is optional, refer to KDB 941225.								

**Appendix A. SAR System Validation Data**

**Date/Time: 20-11-2012**

Test Laboratory: QuieTek Lab

System Check Head 835MHz

**DUT: Dipole 835 MHz D835V2; Type: D835V2**

Communication System: CW; Communication System Band: D835(835.0MHz); Duty Cycle: 1:1; Frequency: 835 MHz; Medium parameters used:  $f = 835 \text{ MHz}$ ;  $\sigma = 0.88 \text{ mho/m}$ ;  $\epsilon_r = 42.05$ ;  $\rho = 1000 \text{ kg/m}^3$ ; Phantom section: Flat Section ; Input Power=250mW

Ambient temperature (°C): 21.5, Liquid temperature (°C): 21.0

DASY5 Configuration:

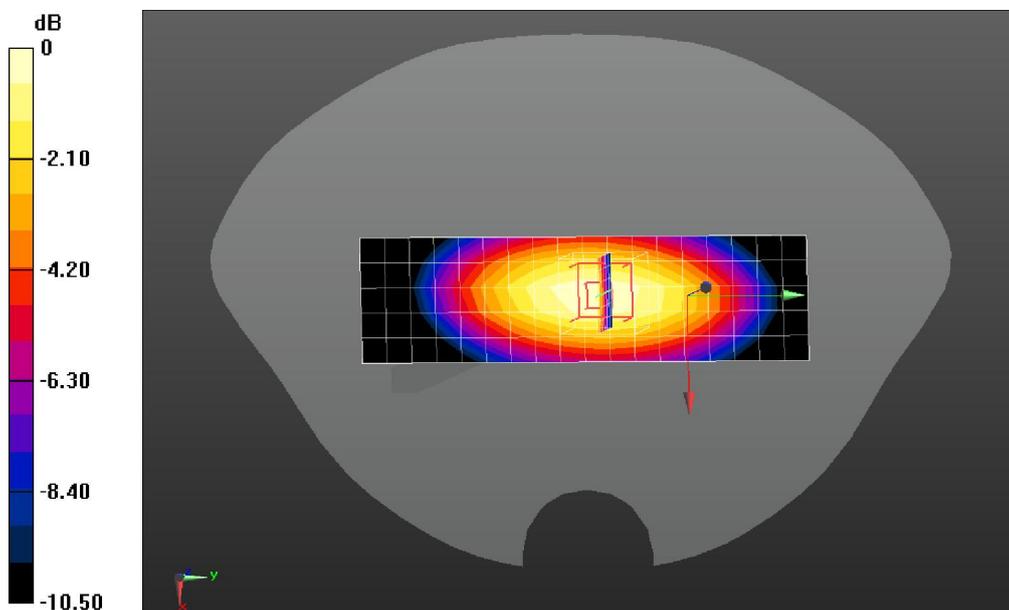
- Probe: EX3DV4 - SN3710; ConvF(9.18, 9.18, 9.18); Calibrated: 12/03/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 23/01/2012
- Phantom: SAM1; Type: SAM; Serial: TP1561
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

**Configuration/System Check Head 835MHz/Area Scan (6x19x1):** Measurement grid: dx=10mm, dy=10mm Maximum value of SAR (measured) = 2.47 mW/g

**Configuration/System Check Head 835MHz/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm, Reference Value = 53.708 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 3.594 mW/g

**SAR(1 g) = 2.38 mW/g; SAR(10 g) = 1.56 mW/g** Maximum value of SAR (measured) = 2.57 mW/g



0 dB = 2.57 mW/g = 8.20 dB mW/g

Date/Time: 20-11-2012

Test Laboratory: QuieTek Lab

System Check Body 835MHz

**DUT: Dipole 835 MHz D835V2; Type: D835V2**

Communication System: CW; Communication System Band: D835 (835.0 MHz); Duty Cycle: 1:1;

Frequency: 835 MHz; Medium parameters used:  $f = 835$  MHz;  $\sigma = 0.97$  mho/m;  $\epsilon_r = 55.63$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;

Phantom section: Flat Section ; Input Power=250mW

Ambient temperature (°C): 21.5, Liquid temperature (°C): 21.0

DASY5 Configuration:

- Probe: EX3DV4 - SN3710; ConvF(9.13, 9.13, 9.13); Calibrated: 12/03/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 23/01/2012
- Phantom: SAM1; Type: SAM; Serial: TP1561
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

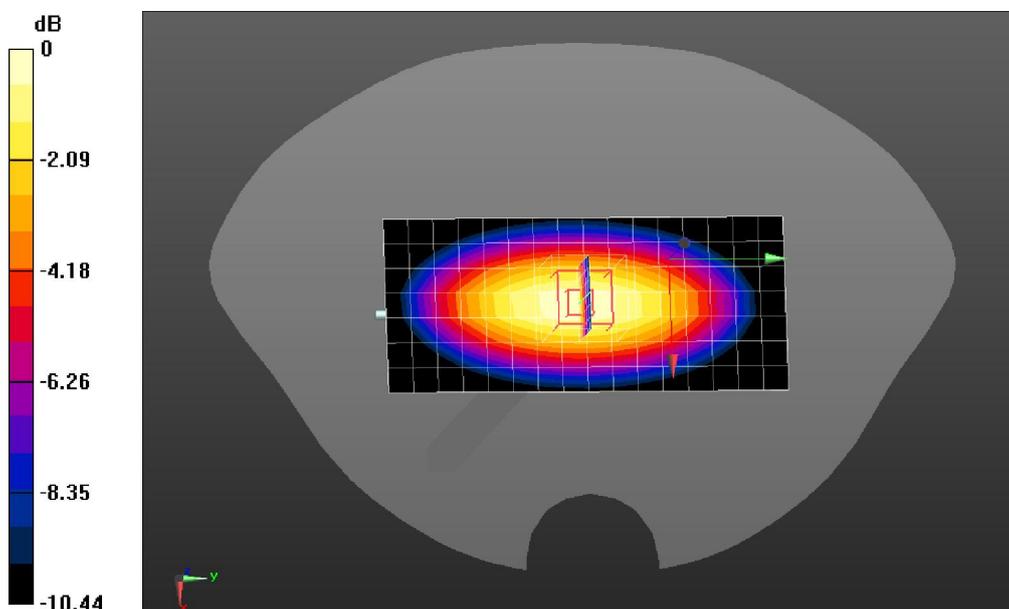
**Configuration/System Check Body 835MHz/Area Scan (8x17x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 2.50 mW/g

**Configuration/System Check Body 835MHz/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm, Reference Value = 52.573 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 3.778 mW/g

**SAR(1 g) = 2.5 mW/g; SAR(10 g) = 1.63 mW/g** Maximum value of SAR (measured) = 2.70 mW/g



0 dB = 2.70 mW/g = 8.63 dB mW/g

Date/Time: 20-11-2012

Test Laboratory: QuieTek Lab

System Check Head 1900MHz

**DUT: Dipole 1900 MHz D1900V2; Type: D1900V2**

Communication System: CW; Communication System Band: D1900(1900MHz); Duty Cycle: 1:1; Frequency: 1900 MHz; Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.44$  mho/m;  $\epsilon_r = 40.53$ ;  $\rho = 1000$  kg/m<sup>3</sup>; Phantom section: Flat Section; Input Power=250mW

Ambient temperature (°C): 21.5, Liquid temperature (°C): 21.0

DASY5 Configuration:

- Probe: EX3DV4 - SN3710; ConvF(8.16, 8.16, 8.16); Calibrated: 12/03/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 23/01/2012
- Phantom: SAM1; Type: SAM; Serial: TP1561
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

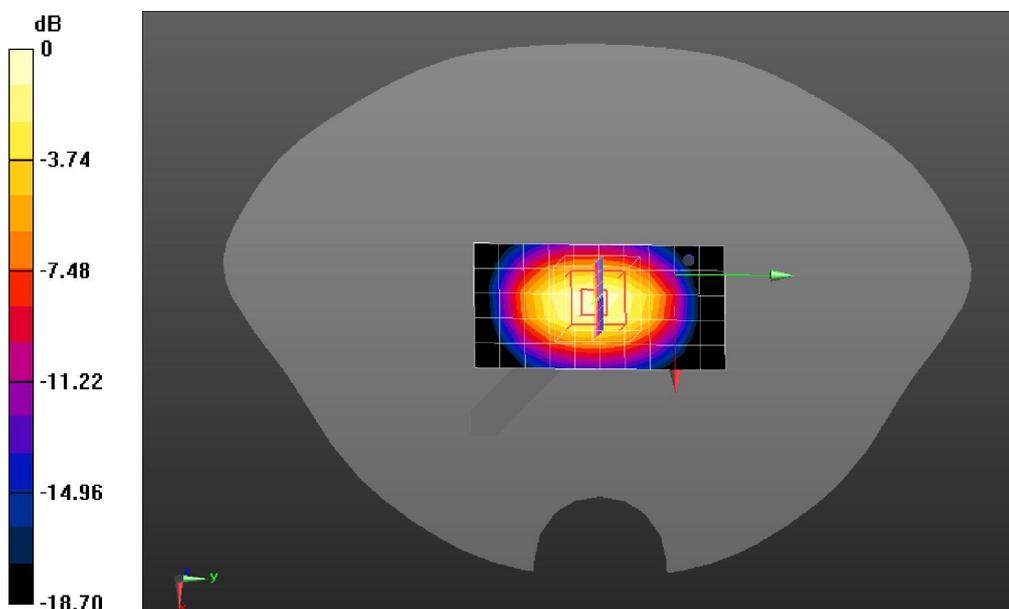
**Configuration/System Check Head 1900MHz/Area Scan (6x11x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 10.0 mW/g

**Configuration/System Check Head 1900MHz/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm, Reference Value = 86.925 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 19.256 mW/g

**SAR(1 g) = 9.93 mW/g; SAR(10 g) = 5.02 mW/g** Maximum value of SAR (measured) = 11.2 mW/g



0 dB = 11.2 mW/g = 20.98 dB mW/g

Date/Time: 20-11-2012

Test Laboratory: QuieTek Lab

System Check Body 1900MHz

**DUT: Dipole 1900 MHz D1900V2; Type: D1900V2**

Communication System: CW; Communication System Band: D1900(1900MHz); Duty Cycle: 1:1; Frequency: 1900 MHz; Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.56$  mho/m;  $\epsilon_r = 52.99$ ;  $\rho = 1000$  kg/m<sup>3</sup>; Phantom section: Flat Section; Input Power=250mW

Ambient temperature (°C): 21.5, Liquid temperature (°C): 21.0

DASY5 Configuration:

- Probe: EX3DV4 - SN3710; ConvF(7.43, 7.43, 7.43); Calibrated: 12/03/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 23/01/2012
- Phantom: SAM2; Type: SAM; Serial: TP1562
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

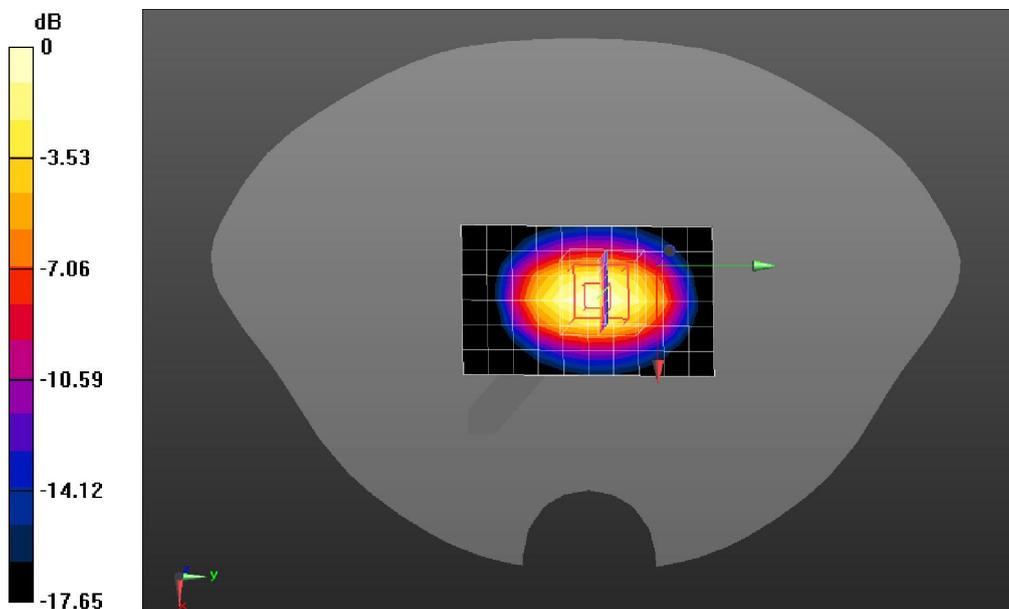
**Configuration/System Check Body 1900MHz/Area Scan (7x11x1):** Measurement grid: dx=10mm, dy=10mm

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

**Configuration/System Check Body 1900MHz/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm, Reference Value = 86.595 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 19.435 mW/g

**SAR(1 g) = 10.5 mW/g; SAR(10 g) = 5.43 mW/g** Maximum value of SAR (measured) = 11.9 mW/g



0 dB = 11.9 mW/g = 21.51 dB mW/g

**Appendix B. SAR measurement Data**

**Date/Time: 20-11-2012**

Test Laboratory: QuieTek Lab

GSM850 Low Touch-Left

**DUT: GSM Mobile Phone ; Type: HUAWEI G3621**

Communication System: Generic GSM; Communication System Band: GSM850; Duty Cycle: 1:8.3;

Frequency: 824.2 MHz; Medium parameters used:  $f = 824.2$  MHz;  $\sigma = 0.87$  mho/m;  $\epsilon_r = 42.19$ ;  $\rho = 1000$  kg/m<sup>3</sup> ; Phantom section: Left Section

Ambient temperature (°C): 21.5, Liquid temperature (°C): 21.0

DASY5 Configuration:

- Probe: EX3DV4 - SN3710; ConvF(9.18, 9.18, 9.18); Calibrated: 12/03/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 23/01/2012
- Phantom: SAM1; Type: SAM; Serial: TP1561
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

**Configuration/GSM850 Low Touch-Left/Area Scan (6x9x1):** Measurement grid: dx=20mm, dy=20mm

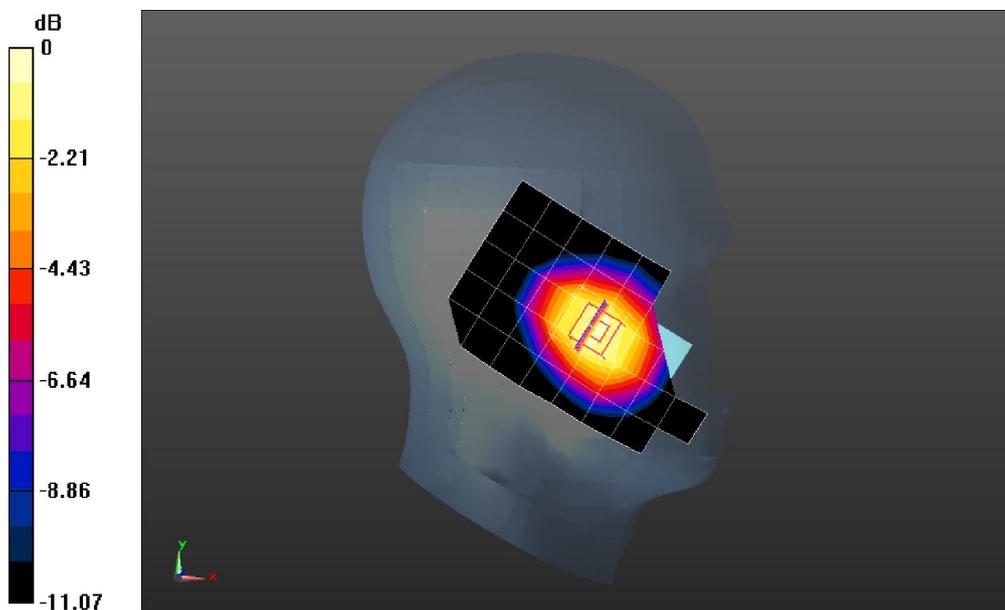
Maximum value of SAR (measured) = 0.818 mW/g

**Configuration/GSM850 Low Touch-Left/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm,

dy=8mm, dz=5mm, Reference Value = 9.687 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 1.098 mW/g

**SAR(1 g) = 0.849 mW/g; SAR(10 g) = 0.599 mW/g** Maximum value of SAR (measured) = 0.913 mW/g



0 dB = 0.913 mW/g = -0.79 dB mW/g

Date/Time: 20-11-2012

Test Laboratory: QuieTek Lab

GSM850 Mid Touch-Left

**DUT: GSM Mobile Phone ; Type: HUAWEI G3621**

Communication System: Generic GSM; Communication System Band: GSM850; Duty Cycle: 1:8.3;

Frequency: 836.4 MHz; Medium parameters used:  $f = 836.4$  MHz;  $\sigma = 0.88$  mho/m;  $\epsilon_r = 42.03$ ;  $\rho = 1000$  kg/m<sup>3</sup> ; Phantom section: Left Section

Ambient temperature (°C): 21.5, Liquid temperature (°C): 21.0

DASY5 Configuration:

- Probe: EX3DV4 - SN3710; ConvF(9.18, 9.18, 9.18); Calibrated: 12/03/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 23/01/2012
- Phantom: SAM1; Type: SAM; Serial: TP1561
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

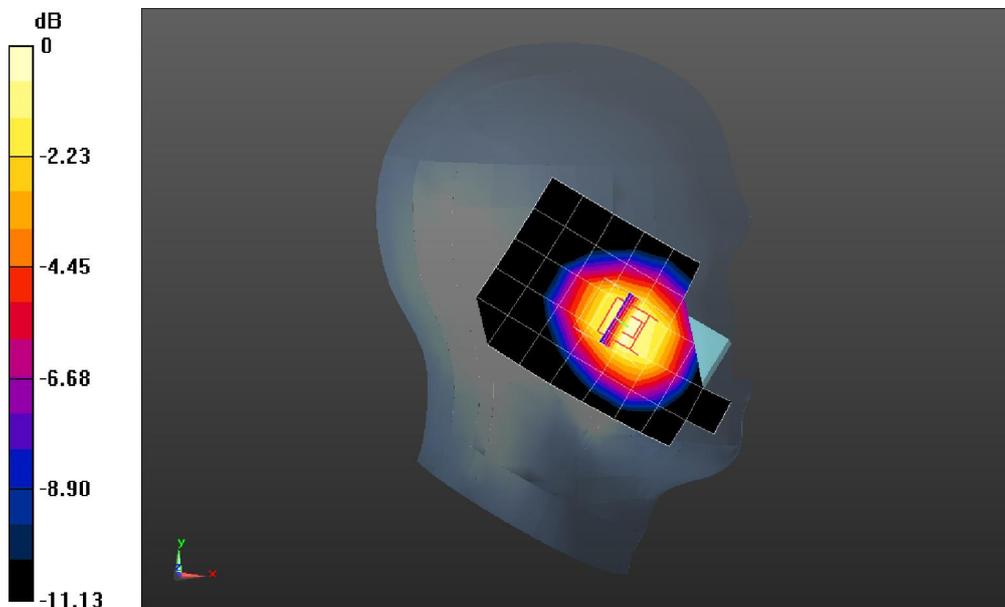
**Configuration/GSM850 Mid Touch-Left/Area Scan (6x9x1):** Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (measured) = 0.837 mW/g

**Configuration/GSM850 Mid Touch-Left/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm, Reference Value = 10.524 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 1.138 mW/g

**SAR(1 g) = 0.883 mW/g; SAR(10 g) = 0.624 mW/g** Maximum value of SAR (measured) = 0.940 mW/g



0 dB = 0.940 mW/g = -0.54 dB mW/g

Date/Time: 20-11-2012

Test Laboratory: QuieTek Lab

GSM850 High Touch-Left

**DUT: GSM Mobile Phone ; Type: HUAWEI G3621**

Communication System: Generic GSM; Communication System Band: GSM850; Duty Cycle: 1:8.3;

Frequency: 848.8 MHz; Medium parameters used:  $f = 848.8$  MHz;  $\sigma = 0.89$  mho/m;  $\epsilon_r = 41.88$ ;  $\rho = 1000$

kg/m<sup>3</sup> ; Phantom section: Left Section

Ambient temperature (°C): 21.5, Liquid temperature (°C): 21.0

DASY5 Configuration:

- Probe: EX3DV4 - SN3710; ConvF(9.18, 9.18, 9.18); Calibrated: 12/03/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 23/01/2012
- Phantom: SAM1; Type: SAM; Serial: TP1561
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

**Configuration/GSM850 High Touch-Left/Area Scan (6x9x1):** Measurement grid: dx=20mm, dy=20mm

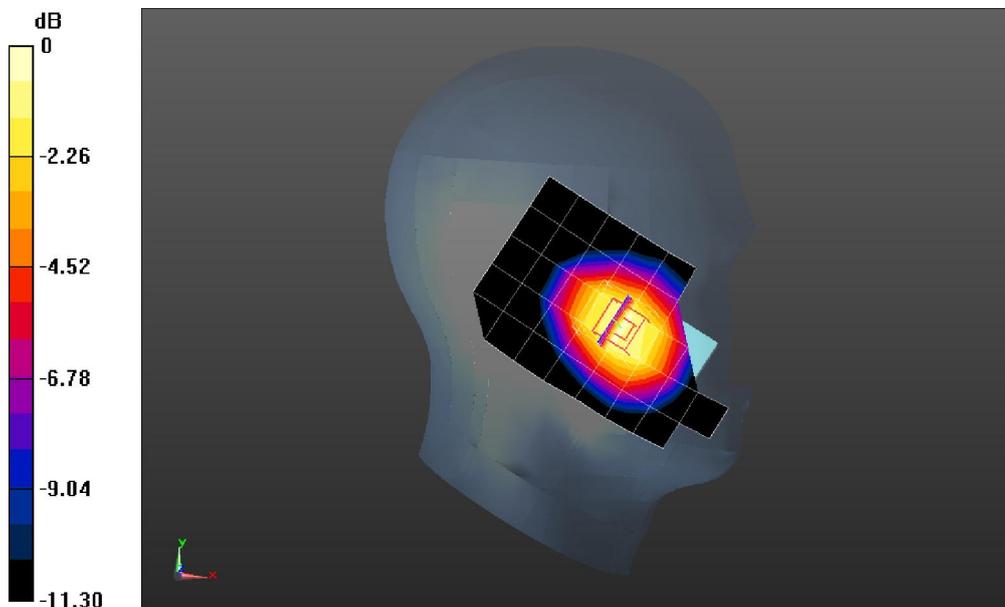
Maximum value of SAR (measured) = 0.684 mW/g

**Configuration/GSM850 High Touch-Left/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm,

dy=8mm, dz=5mm, Reference Value = 8.779 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.958 mW/g

**SAR(1 g) = 0.737 mW/g; SAR(10 g) = 0.516 mW/g** Maximum value of SAR (measured) = 0.788 mW/g



0 dB = 0.788 mW/g = -2.07 dB mW/g

Date/Time: 20-11-2012

Test Laboratory: QuieTek Lab

GSM850 Mid Tilt-Left

**DUT: GSM Mobile Phone ; Type: HUAWEI G3621**

Communication System: Generic GSM; Communication System Band: GSM850; Duty Cycle: 1:8.3;

Frequency: 836.4 MHz; Medium parameters used:  $f = 836.4$  MHz;  $\sigma = 0.88$  mho/m;  $\epsilon_r = 42.03$ ;  $\rho = 1000$

kg/m<sup>3</sup> ; Phantom section: Left Section

Ambient temperature (°C): 21.5, Liquid temperature (°C): 21.0

DASY5 Configuration:

- Probe: EX3DV4 - SN3710; ConvF(9.18, 9.18, 9.18); Calibrated: 12/03/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 23/01/2012
- Phantom: SAM1; Type: SAM; Serial: TP1561
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

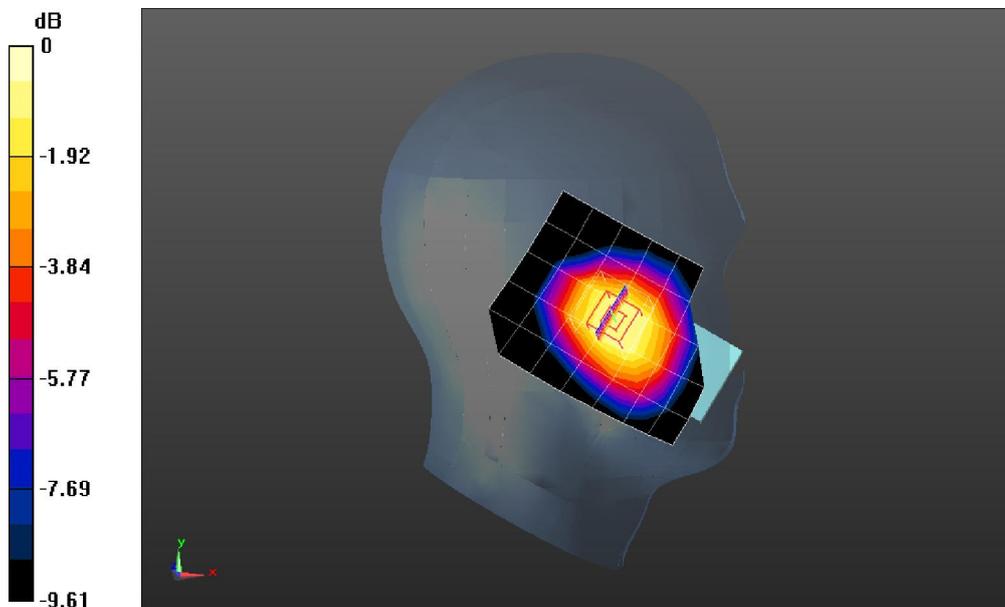
**Configuration/GSM850 Mid Tilt-Left/Area Scan (6x8x1):** Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (measured) = 0.400 mW/g

**Configuration/GSM850 Mid Tilt-Left/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm, Reference Value = 13.776 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.559 mW/g

**SAR(1 g) = 0.431 mW/g; SAR(10 g) = 0.311 mW/g** Maximum value of SAR (measured) = 0.457 mW/g



0 dB = 0.457 mW/g = -6.80 dB mW/g

Date/Time: 20-11-2012

Test Laboratory: QuieTek Lab

GSM850 Low Touch-Right

**DUT: GSM Mobile Phone ; Type: HUAWEI G3621**

Communication System: Generic GSM; Communication System Band: GSM850; Duty Cycle: 1:8.3;

Frequency: 824.2 MHz; Medium parameters used:  $f = 824.2$  MHz;  $\sigma = 0.87$  mho/m;  $\epsilon_r = 42.19$ ;  $\rho = 1000$  kg/m<sup>3</sup> ; Phantom section: Right Section

Ambient temperature (°C): 21.5, Liquid temperature (°C): 21.0

DASY5 Configuration:

- Probe: EX3DV4 - SN3710; ConvF(9.18, 9.18, 9.18); Calibrated: 12/03/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 23/01/2012
- Phantom: SAM1; Type: SAM; Serial: TP1561
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

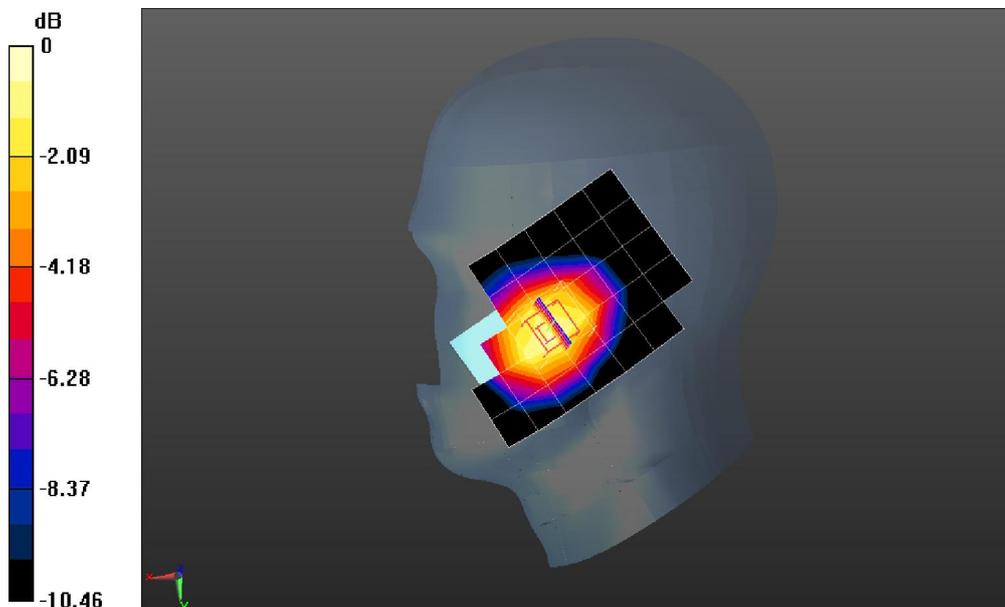
**Configuration/GSM850 Low Touch-Right/Area Scan (6x8x1):** Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (measured) = 0.844 mW/g

**Configuration/GSM850 Low Touch-Right/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm, Reference Value = 10.028 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.097 mW/g

**SAR(1 g) = 0.840 mW/g; SAR(10 g) = 0.592 mW/g** Maximum value of SAR (measured) = 0.899 mW/g



0 dB = 0.899 mW/g = -0.92 dB mW/g

Date/Time: 20-11-2012

Test Laboratory: QuieTek Lab

GSM850 Mid Touch-Right

**DUT: GSM Mobile Phone ; Type: HUAWEI G3621**

Communication System: Generic GSM; Communication System Band: GSM850; Duty Cycle: 1:8.3;

Frequency: 836.4 MHz; Medium parameters used:  $f = 836.4$  MHz;  $\sigma = 0.88$  mho/m;  $\epsilon_r = 42.03$ ;  $\rho = 1000$  kg/m<sup>3</sup> ; Phantom section: Right Section

Ambient temperature (°C): 21.5, Liquid temperature (°C): 21.0

DASY5 Configuration:

- Probe: EX3DV4 - SN3710; ConvF(9.18, 9.18, 9.18); Calibrated: 12/03/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 23/01/2012
- Phantom: SAM1; Type: SAM; Serial: TP1561
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

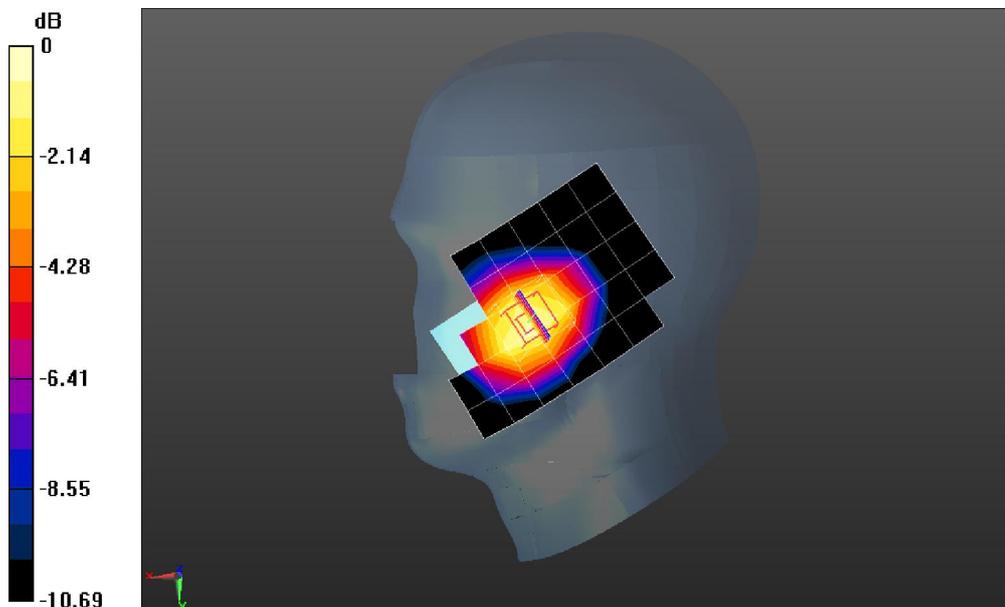
**Configuration/GSM850 Mid Touch-Right/Area Scan (6x8x1):** Measurement grid: dx=20mm, dy=20mm

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

**Configuration/GSM850 Mid Touch-Right/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm, Reference Value = 9.621 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 1.066 mW/g

**SAR(1 g) = 0.816 mW/g; SAR(10 g) = 0.574 mW/g** Maximum value of SAR (measured) = 0.875 mW/g



0 dB = 0.875 mW/g = -1.16 dB mW/g

Date/Time: 20-11-2012

Test Laboratory: QuieTek Lab

GSM850 High Touch-Right

**DUT: GSM Mobile Phone ; Type: HUAWEI G3621**

Communication System: Generic GSM; Communication System Band: GSM850; Duty Cycle: 1:8.3;

Frequency: 848.8 MHz; Medium parameters used:  $f = 848.8$  MHz;  $\sigma = 0.89$  mho/m;  $\epsilon_r = 41.88$ ;  $\rho = 1000$  kg/m<sup>3</sup> ; Phantom section: Right Section

Ambient temperature (°C): 21.5, Liquid temperature (°C): 21.0

DASY5 Configuration:

- Probe: EX3DV4 - SN3710; ConvF(9.18, 9.18, 9.18); Calibrated: 12/03/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 23/01/2012
- Phantom: SAM1; Type: SAM; Serial: TP1561
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

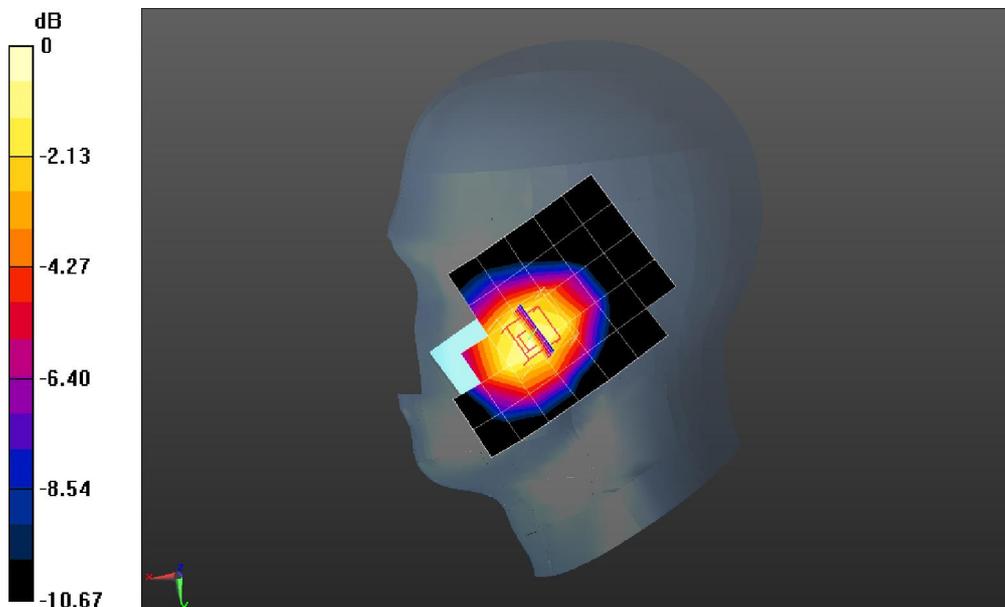
**Configuration/GSM850 High Touch-Right/Area Scan (6x8x1):** Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (measured) = 0.711 mW/g

**Configuration/GSM850 High Touch-Right/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm, Reference Value = 8.859 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.917 mW/g

**SAR(1 g) = 0.701 mW/g; SAR(10 g) = 0.494 mW/g** Maximum value of SAR (measured) = 0.753 mW/g



0 dB = 0.753 mW/g = -2.46 dB mW/g

Date/Time: 20-11-2012

Test Laboratory: QuieTek Lab

GSM850 Mid Tilt-Right

**DUT: GSM Mobile Phone ; Type: HUAWEI G3621**

Communication System: Generic GSM; Communication System Band: GSM850; Duty Cycle: 1:8.3;  
 Frequency: 836.4 MHz; Medium parameters used:  $f = 836.4$  MHz;  $\sigma = 0.88$  mho/m;  $\epsilon_r = 42.03$ ;  $\rho = 1000$  kg/m<sup>3</sup> ; Phantom section: Right Section

Ambient temperature (°C): 21.5, Liquid temperature (°C): 21.0

DASY5 Configuration:

- Probe: EX3DV4 - SN3710; ConvF(9.18, 9.18, 9.18); Calibrated: 12/03/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 23/01/2012
- Phantom: SAM1; Type: SAM; Serial: TP1561
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

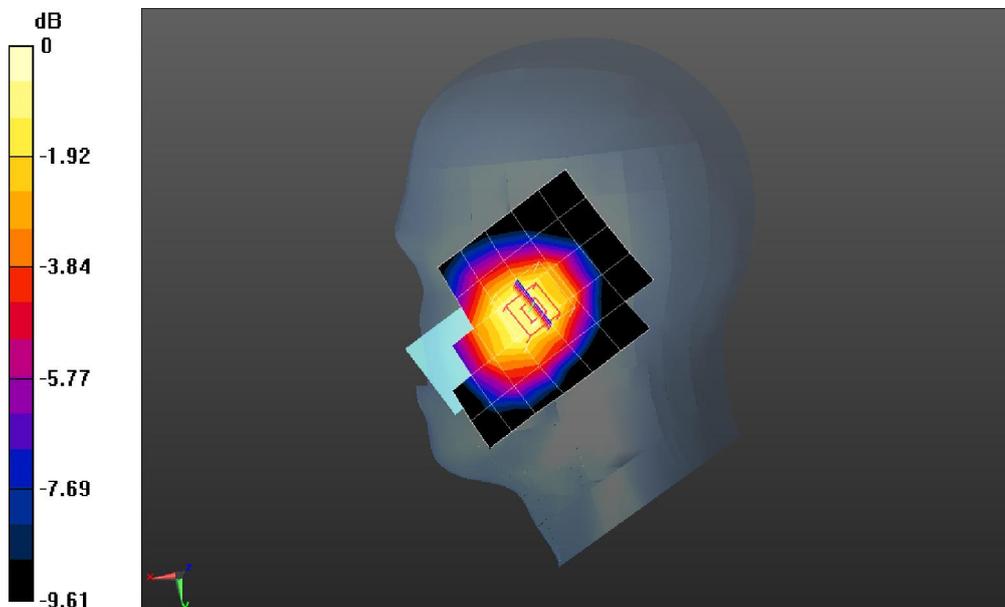
**Configuration/GSM850 Mid Tilt-Right/Area Scan (6x8x1):** Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (measured) = 0.399 mW/g

**Configuration/GSM850 Mid Tilt-Right/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm, Reference Value = 12.635 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.550 mW/g

**SAR(1 g) = 0.418 mW/g; SAR(10 g) = 0.301 mW/g** Maximum value of SAR (measured) = 0.443 mW/g



0 dB = 0.443 mW/g = -7.07 dB mW/g

Date/Time: 20-11-2012

Test Laboratory: QuieTek Lab

GSM850 Mid Body-Back

**DUT: GSM Mobile Phone ; Type: HUAWEI G3621**

Communication System: Generic GSM; Communication System Band: GSM850; Duty Cycle: 1:8.3;

Frequency: 836.4 MHz; Medium parameters used:  $f = 836.4$  MHz;  $\sigma = 0.97$  mho/m;  $\epsilon_r = 55.62$ ;  $\rho = 1000$  kg/m<sup>3</sup> ; Phantom section: Flat Section

Ambient temperature (°C): 21.5, Liquid temperature (°C): 21.0

DASY5 Configuration:

- Probe: EX3DV4 - SN3710; ConvF(9.13, 9.13, 9.13); Calibrated: 12/03/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 23/01/2012
- Phantom: SAM1; Type: SAM; Serial: TP1561
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

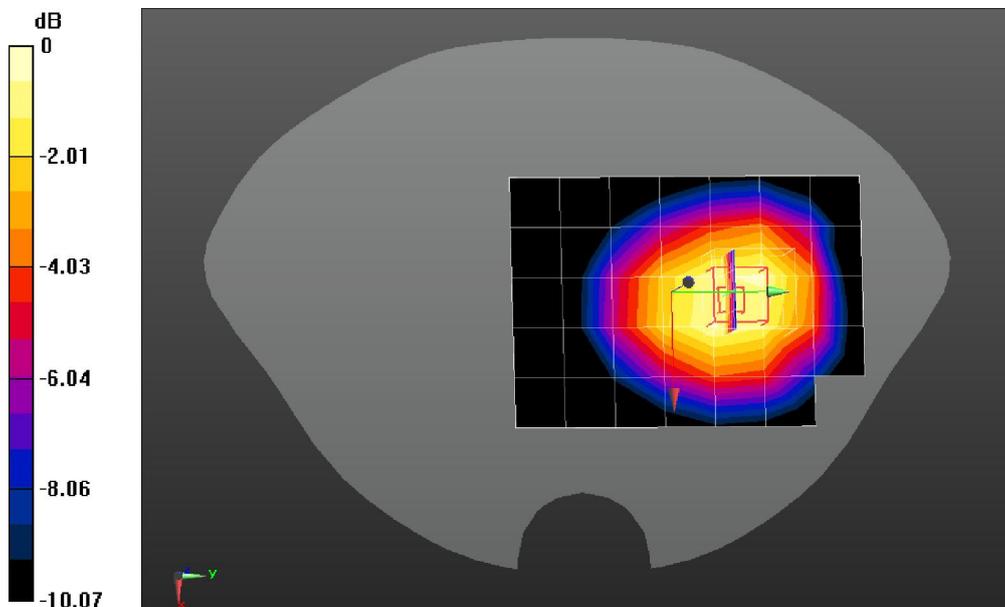
**Configuration/GSM850 Mid Body-Back/Area Scan (6x8x1):** Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (measured) = 0.598 mW/g

**Configuration/GSM850 Mid Body-Back/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm, Reference Value = 9.670 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.850 mW/g

**SAR(1 g) = 0.637 mW/g; SAR(10 g) = 0.461 mW/g** Maximum value of SAR (measured) = 0.672 mW/g



0 dB = 0.672 mW/g = -3.45 dB mW/g

Date/Time: 20-11-2012

Test Laboratory: QuieTek Lab

GSM850 Mid Body-Back(with headset #1)

**DUT: GSM Mobile Phone ; Type: HUAWEI G3621**

Communication System: Generic GSM; Communication System Band: GSM850; Duty Cycle: 1:8.3;

Frequency: 836.4 MHz; Medium parameters used:  $f = 836.4$  MHz;  $\sigma = 0.97$  mho/m;  $\epsilon_r = 55.62$ ;  $\rho = 1000$

kg/m<sup>3</sup> ; Phantom section: Flat Section

Ambient temperature (°C): 21.5, Liquid temperature (°C): 21.0

DASY5 Configuration:

- Probe: EX3DV4 - SN3710; ConvF(9.13, 9.13, 9.13); Calibrated: 12/03/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 23/01/2012
- Phantom: SAM1; Type: SAM; Serial: TP1561
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

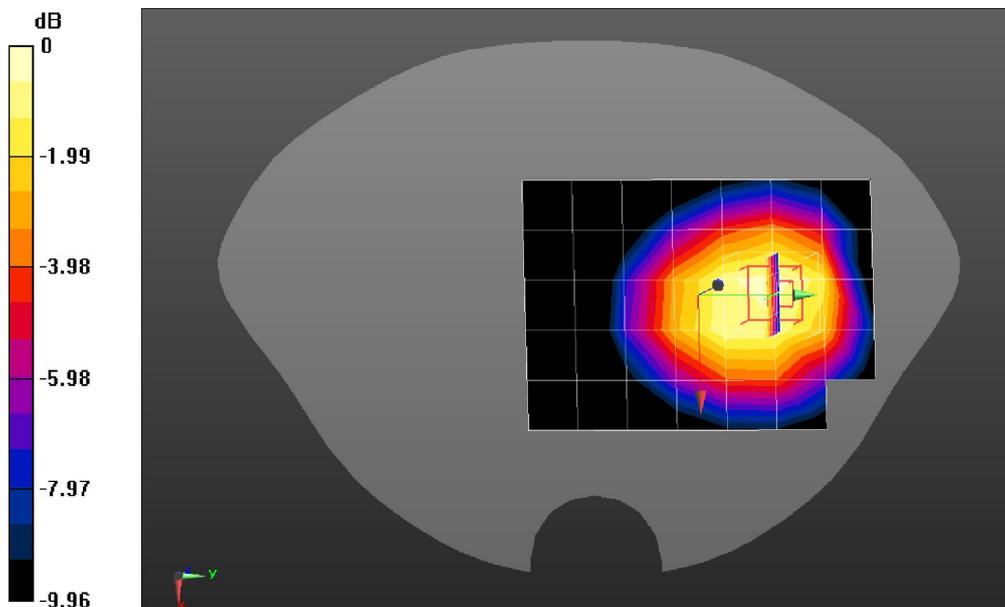
**Configuration/GSM850 Mid Body-Back/Area Scan (6x8x1):** Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (measured) = 0.571 mW/g

**Configuration/GSM850 Mid Body-Back/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm, Reference Value = 6.815 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.766 mW/g

**SAR(1 g) = 0.568 mW/g; SAR(10 g) = 0.412 mW/g** Maximum value of SAR (measured) = 0.597 mW/g



0 dB = 0.597 mW/g = -4.48 dB mW/g

Date/Time: 20-11-2012

Test Laboratory: QuieTek Lab

GPRS850 Mid Body-Back(2up)

**DUT: GSM Mobile Phone ; Type: HUAWEI G3621**

Communication System: GPRS/EGPRS-2 Slot; Communication System Band: GSM850; Duty Cycle: 1:4.2 ;  
 Frequency: 836.4 MHz; Medium parameters used:  $f = 836.4$  MHz;  $\sigma = 0.97$  mho/m;  $\epsilon_r = 55.62$ ;  $\rho = 1000$  kg/m<sup>3</sup> ; Phantom section: Flat Section

Ambient temperature (°C): 21.5, Liquid temperature (°C): 21.0

DASY5 Configuration:

- Probe: EX3DV4 - SN3710; ConvF(9.13, 9.13, 9.13); Calibrated: 12/03/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 23/01/2012
- Phantom: SAM1; Type: SAM; Serial: TP1561
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

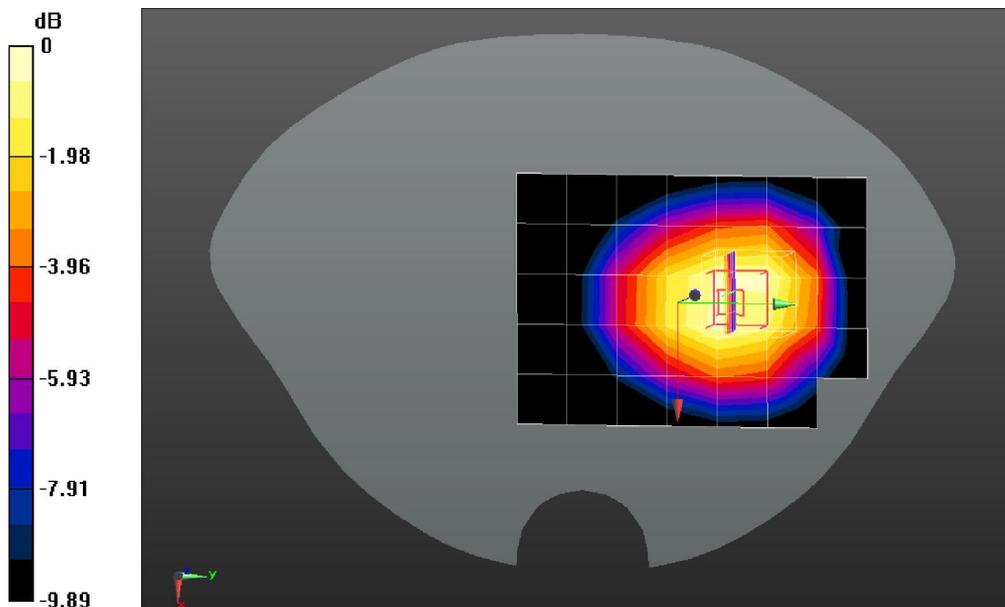
**Configuration/GPRS850 Mid Body-Back/Area Scan (6x8x1):** Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (measured) = 0.681 mW/g

**Configuration/GPRS850 Mid Body-Back/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm, Reference Value = 10.978 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 0.956 mW/g

**SAR(1 g) = 0.712 mW/g; SAR(10 g) = 0.513 mW/g** Maximum value of SAR (measured) = 0.741 mW/g



0 dB = 0.741 mW/g = -2.60 dB mW/g

Date/Time: 20-11-2012

Test Laboratory: QuieTek Lab

GPRS850 Low Body-Back(3up)

**DUT: GSM Mobile Phone ; Type: HUAWEI G3621**

Communication System: GPRS/EGPRS-3 Slot; Communication System Band: GSM 850; Duty Cycle: 1:2.8 ;  
 Frequency: 824.2 MHz; Medium parameters used:  $f = 824.2$  MHz;  $\sigma = 0.96$  mho/m;  $\epsilon_r = 55.73$ ;  $\rho = 1000$  kg/m<sup>3</sup> ; Phantom section: Flat Section

Ambient temperature (°C): 21.5, Liquid temperature (°C): 21.0

DASY5 Configuration:

- Probe: EX3DV4 - SN3710; ConvF(9.13, 9.13, 9.13); Calibrated: 12/03/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 23/01/2012
- Phantom: SAM1; Type: SAM; Serial: TP1561
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

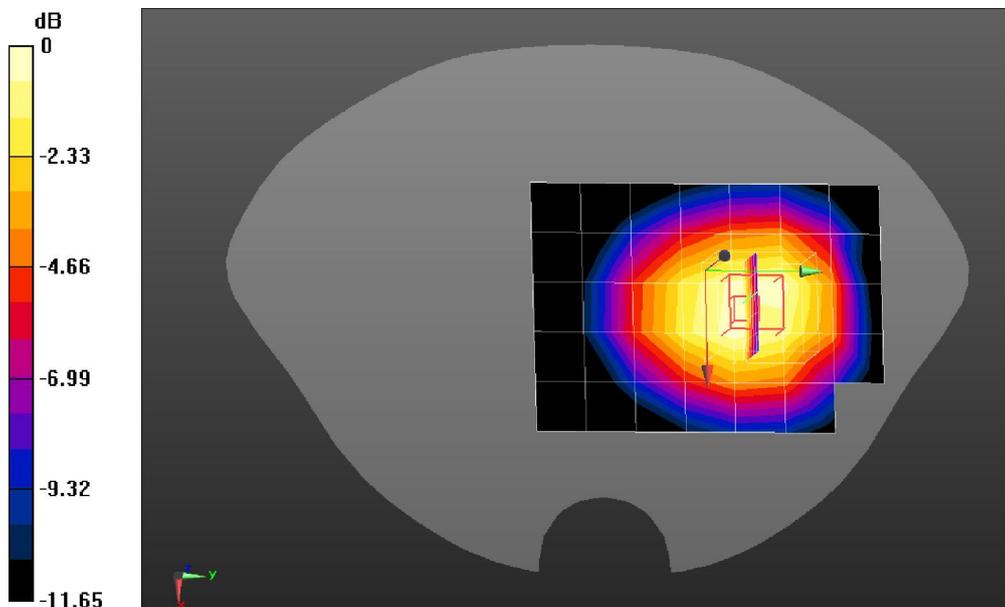
**Configuration/GPRS850 Low Body-Back/Area Scan (6x8x1):** Measurement grid: dx=20mm, dy=20mm

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

**Configuration/GPRS850 Low Body-Back/Zoom Scan (6x6x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm, Reference Value = 12.483 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 1.257 mW/g

**SAR(1 g) = 0.934 mW/g; SAR(10 g) = 0.674 mW/g** Maximum value of SAR (measured) = 0.985 mW/g



0 dB = 0.985 mW/g = -0.13 dB mW/g

Date/Time: 20-11-2012

Test Laboratory: QuieTek Lab

GPRS850 Mid Body-Back(3up)

**DUT: GSM Mobile Phone ; Type: HUAWEI G3621**

Communication System: GPRS/EGPRS-3 Slot; Communication System Band: GSM 850; Duty Cycle: 1:2.8 ;  
 Frequency: 836.4 MHz; Medium parameters used:  $f = 836.4$  MHz;  $\sigma = 0.97$  mho/m;  $\epsilon_r = 55.62$ ;  $\rho = 1000$  kg/m<sup>3</sup> ; Phantom section: Flat Section

Ambient temperature (°C): 21.5, Liquid temperature (°C): 21.0

DASY5 Configuration:

- Probe: EX3DV4 - SN3710; ConvF(9.13, 9.13, 9.13); Calibrated: 12/03/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 23/01/2012
- Phantom: SAM1; Type: SAM; Serial: TP1561
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

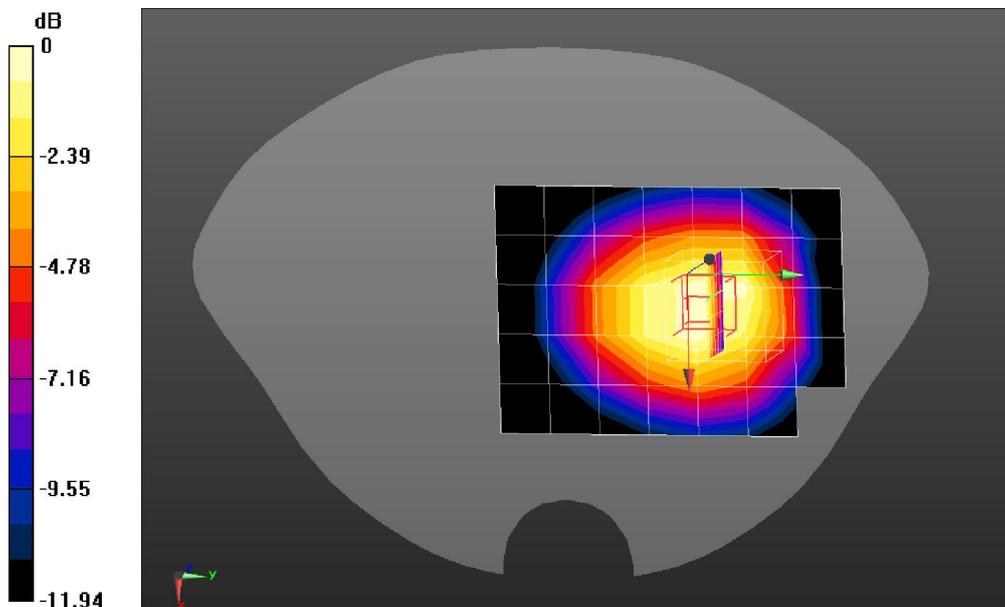
**Configuration/GPRS850 Mid Body-Back/Area Scan (6x8x1):** Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (measured) = 0.875 mW/g

**Configuration/GPRS850 Mid Body-Back/Zoom Scan (6x6x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm, Reference Value = 14.135 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 1.216 mW/g

**SAR(1 g) = 0.911 mW/g; SAR(10 g) = 0.656 mW/g** Maximum value of SAR (measured) = 0.951 mW/g



0 dB = 0.951 mW/g = -0.44 dB mW/g

Date/Time: 20-11-2012

Test Laboratory: QuieTek Lab

GPRS850 High Body-Back(3up)

**DUT: GSM Mobile Phone ; Type: HUAWEI G3621**

Communication System: GPRS/EGPRS-3 Slot; Communication System Band: GSM 850; Duty Cycle: 1:2.8 ;  
 Frequency: 848.8 MHz; Medium parameters used:  $f = 848.8$  MHz;  $\sigma = 0.98$  mho/m;  $\epsilon_r = 55.5$ ;  $\rho = 1000$  kg/m<sup>3</sup> ; Phantom section: Flat Section

Ambient temperature (°C): 21.5, Liquid temperature (°C): 21.0

DASY5 Configuration:

- Probe: EX3DV4 - SN3710; ConvF(9.13, 9.13, 9.13); Calibrated: 12/03/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 23/01/2012
- Phantom: SAM1; Type: SAM; Serial: TP1561
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

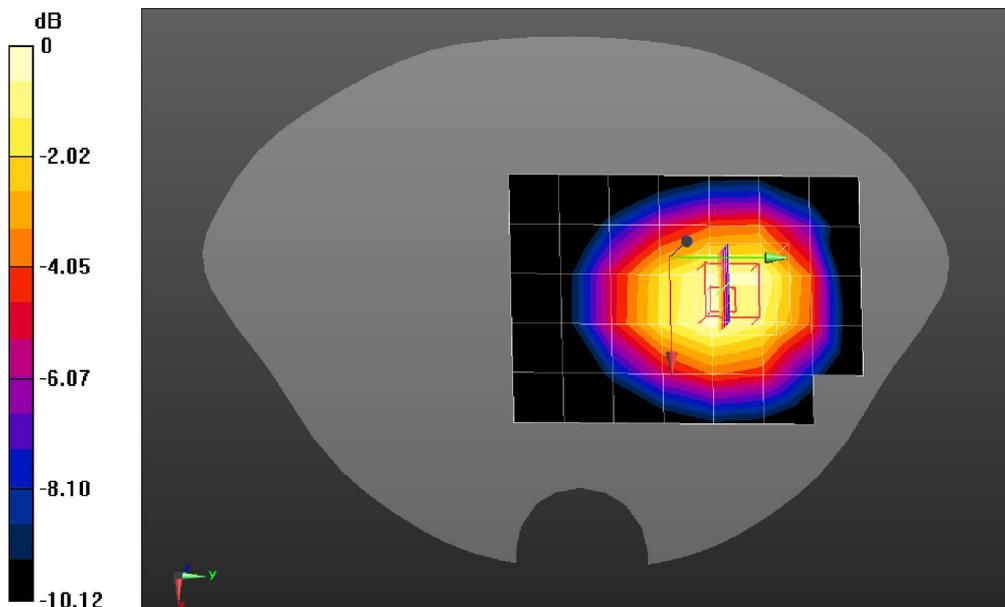
**Configuration/GPRS850 High Body-Back/Area Scan (6x8x1):** Measurement grid: dx=20mm, dy=20mm

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

**Configuration/GPRS850 High Body-Back/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm, Reference Value = 11.005 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.967 mW/g

**SAR(1 g) = 0.707 mW/g; SAR(10 g) = 0.507 mW/g** Maximum value of SAR (measured) = 0.744 mW/g



0 dB = 0.744 mW/g = -2.57 dB mW/g

Date/Time: 20-11-2012

Test Laboratory: QuieTek Lab

GPRS850 Low Body-Back(4up)

**DUT: GSM Mobile Phone ; Type: HUAWEI G3621**

Communication System: GPRS/EGPRS-4 Slot; Communication System Band: GSM 850; Duty Cycle: 1:2.1 ;  
 Frequency: 824.2 MHz; Medium parameters used:  $f = 824.2$  MHz;  $\sigma = 0.96$  mho/m;  $\epsilon_r = 55.73$ ;  $\rho = 1000$  kg/m<sup>3</sup> ; Phantom section: Flat Section

Ambient temperature (°C): 21.5, Liquid temperature (°C): 21.0

DASY5 Configuration:

- Probe: EX3DV4 - SN3710; ConvF(9.13, 9.13, 9.13); Calibrated: 12/03/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 23/01/2012
- Phantom: SAM1; Type: SAM; Serial: TP1561
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

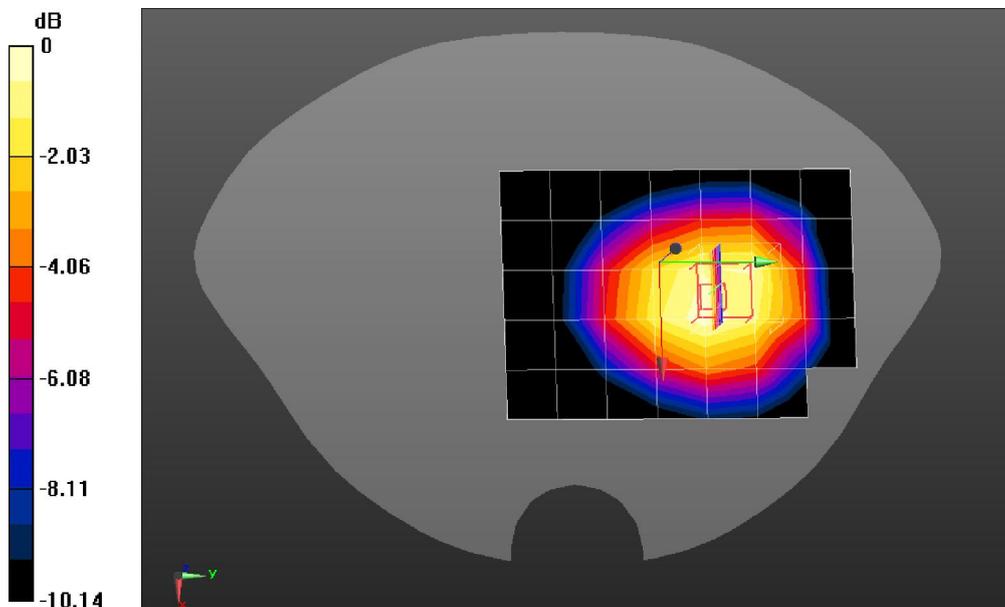
**Configuration/GPRS850 Low Body-Back/Area Scan (6x8x1):** Measurement grid: dx=20mm, dy=20mm

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

**Configuration/GPRS850 Low Body-Back/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm, Reference Value = 13.915 V/m; Power Drift = -0.09 dB

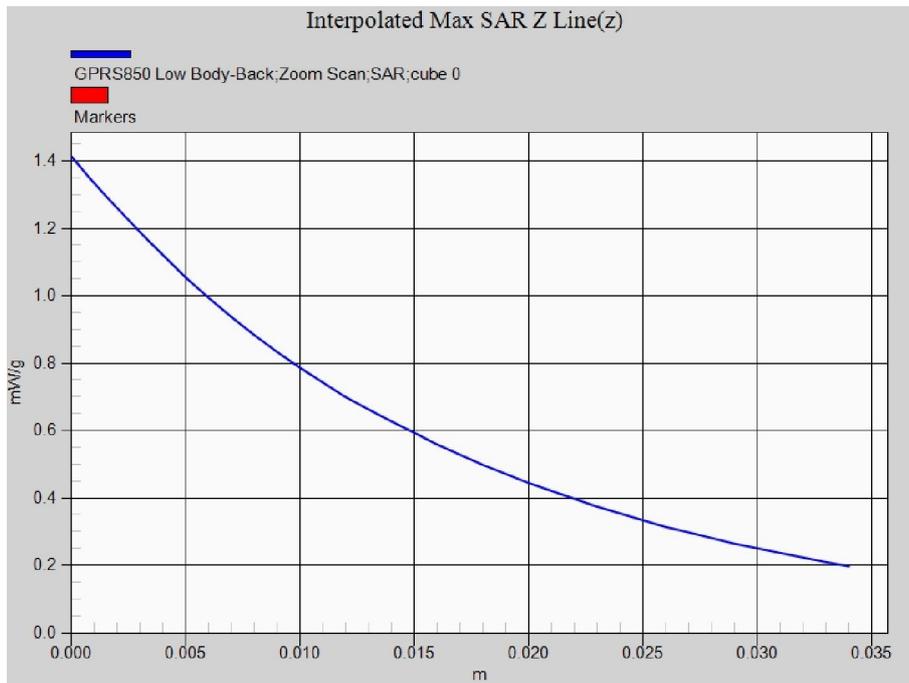
Peak SAR (extrapolated) = 1.415 mW/g

**SAR(1 g) = 1.06 mW/g; SAR(10 g) = 0.763 mW/g** Maximum value of SAR (measured) = 1.12 mW/g



0 dB = 1.12 mW/g = 0.98 dB mW/g

Z-Axis Plot



Date/Time: 20-11-2012

Test Laboratory: QuieTek Lab

GPRS850 Mid Body-Back(4up)

**DUT: GSM Mobile Phone ; Type: HUAWEI G3621**

Communication System: GPRS/EGPRS-4 Slot; Communication System Band: GSM 850; Duty Cycle: 1:2.1 ;  
 Frequency: 836.4 MHz; Medium parameters used:  $f = 836.4$  MHz;  $\sigma = 0.97$  mho/m;  $\epsilon_r = 55.62$ ;  $\rho = 1000$  kg/m<sup>3</sup> ; Phantom section: Flat Section

Ambient temperature (°C): 21.5, Liquid temperature (°C): 21.0

DASY5 Configuration:

- Probe: EX3DV4 - SN3710; ConvF(9.13, 9.13, 9.13); Calibrated: 12/03/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 23/01/2012
- Phantom: SAM1; Type: SAM; Serial: TP1561
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

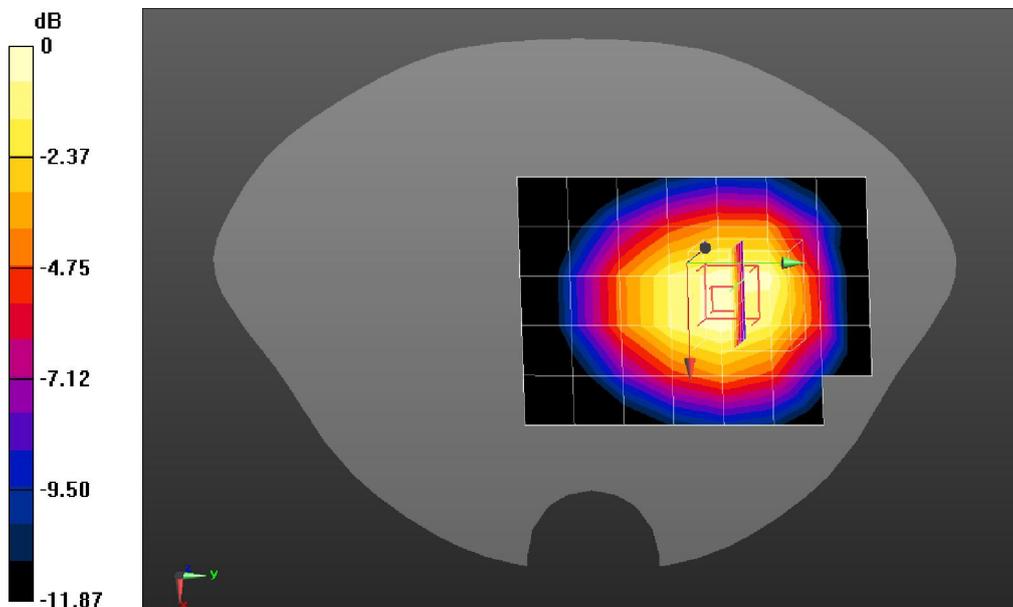
**Configuration/GPRS850 Mid Body-Back/Area Scan (6x8x1):** Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (measured) = 0.957 mW/g

**Configuration/GPRS850 Mid Body-Back/Zoom Scan (6x6x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm, Reference Value = 14.807 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 1.360 mW/g

**SAR(1 g) = 0.991 mW/g; SAR(10 g) = 0.711 mW/g** Maximum value of SAR (measured) = 1.03 mW/g



0 dB = 1.03 mW/g = 0.26 dB mW/g

Date/Time: 20-11-2012

Test Laboratory: QuieTek Lab

GPRS850 High Body-Back(4up)

**DUT: GSM Mobile Phone ; Type: HUAWEI G3621**

Communication System: GPRS/EGPRS-4 Slot; Communication System Band: GSM 850; Duty Cycle: 1:2.1 ;  
 Frequency: 848.8 MHz; Medium parameters used:  $f = 848.8$  MHz;  $\sigma = 0.98$  mho/m;  $\epsilon_r = 55.5$ ;  $\rho = 1000$  kg/m<sup>3</sup> ; Phantom section: Flat Section

Ambient temperature (°C): 21.5, Liquid temperature (°C): 21.0

DASY5 Configuration:

- Probe: EX3DV4 - SN3710; ConvF(9.13, 9.13, 9.13); Calibrated: 12/03/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 23/01/2012
- Phantom: SAM1; Type: SAM; Serial: TP1561
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

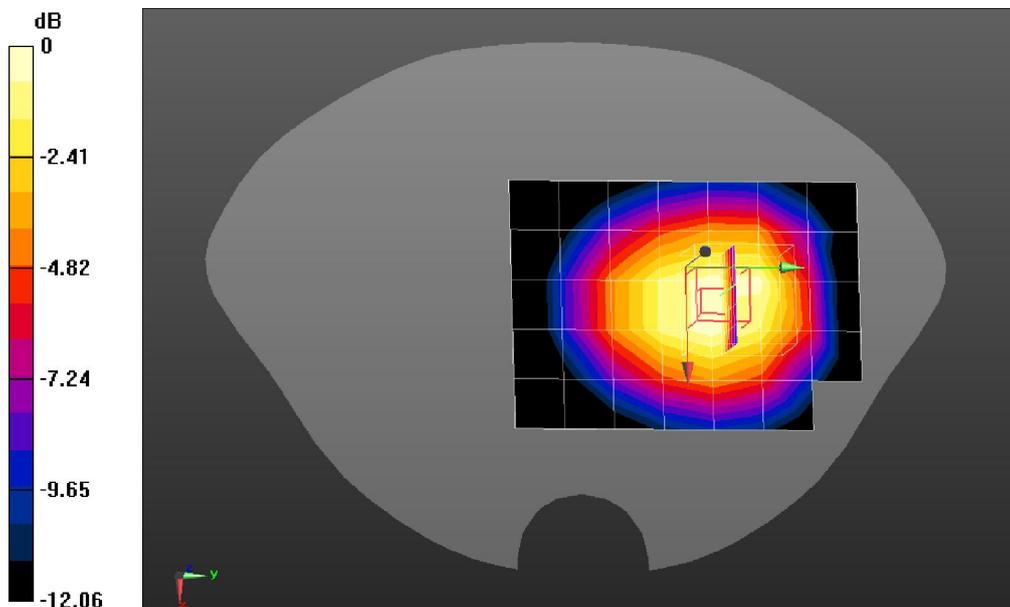
**Configuration/GPRS850 High Body-Back/Area Scan (6x8x1):** Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (measured) = 0.738 mW/g

**Configuration/GPRS850 High Body-Back/Zoom Scan (6x6x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm, Reference Value = 13.180 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 1.031 mW/g

**SAR(1 g) = 0.768 mW/g; SAR(10 g) = 0.552 mW/g** Maximum value of SAR (measured) = 0.803 mW/g



0 dB = 0.803 mW/g = -1.91 dB mW/g

Date/Time: 20-11-2012

Test Laboratory: QuieTek Lab

GPRS850 Low Body-Front(4up)

**DUT: GSM Mobile Phone ; Type: HUAWEI G3621**

Communication System: GPRS/EGPRS-4 Slot; Communication System Band: GSM 850; Duty Cycle: 1:2.1 ;  
 Frequency: 824.2 MHz; Medium parameters used:  $f = 824.2$  MHz;  $\sigma = 0.96$  mho/m;  $\epsilon_r = 55.73$ ;  $\rho = 1000$  kg/m<sup>3</sup> ; Phantom section: Flat Section

Ambient temperature (°C): 21.5, Liquid temperature (°C): 21.0

DASY5 Configuration:

- Probe: EX3DV4 - SN3710; ConvF(9.13, 9.13, 9.13); Calibrated: 12/03/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 23/01/2012
- Phantom: SAM1; Type: SAM; Serial: TP1561
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

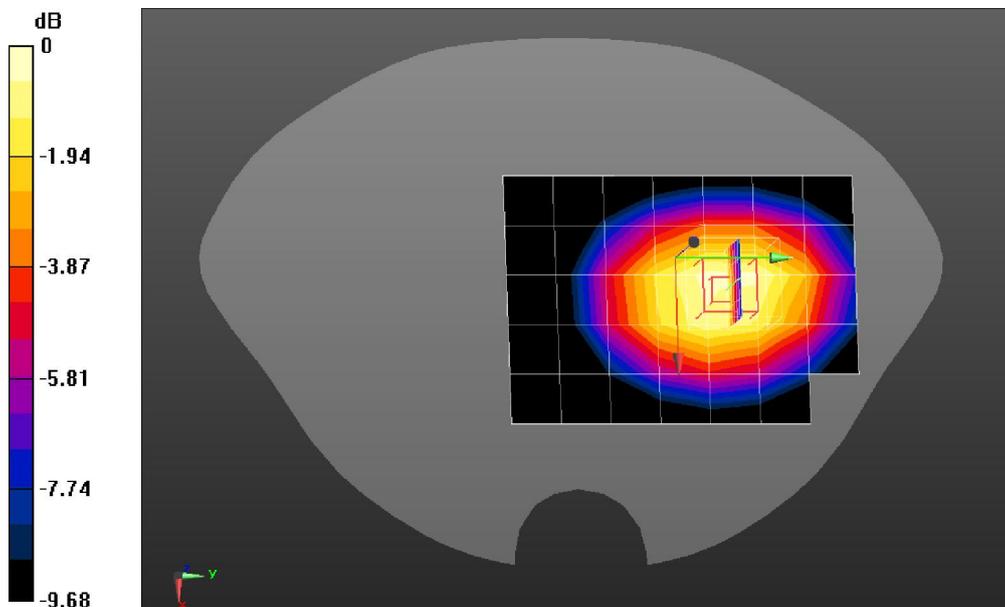
**Configuration/GPRS850 Low Body-Front/Area Scan (6x8x1):** Measurement grid: dx=20mm, dy=20mm

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

**Configuration/GPRS850 Low Body-Front/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm, Reference Value = 10.189 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 0.826 mW/g

**SAR(1 g) = 0.611 mW/g; SAR(10 g) = 0.438 mW/g** Maximum value of SAR (measured) = 0.648 mW/g



0 dB = 0.648 mW/g = -3.77 dB mW/g

Date/Time: 20-11-2012

Test Laboratory: QuieTek Lab

GPRS850 Low Body-Back(4up)(with battery #2)

**DUT: GSM Mobile Phone ; Type: HUAWEI G3621**

Communication System: GPRS/EGPRS-4 Slot; Communication System Band: GSM 850; Duty Cycle: 1:2.1 ;  
 Frequency: 824.2 MHz; Medium parameters used:  $f = 824.2$  MHz;  $\sigma = 0.96$  mho/m;  $\epsilon_r = 55.73$ ;  $\rho = 1000$  kg/m<sup>3</sup> ; Phantom section: Flat Section

Ambient temperature (°C): 21.5, Liquid temperature (°C): 21.0

DASY5 Configuration:

- Probe: EX3DV4 - SN3710; ConvF(9.13, 9.13, 9.13); Calibrated: 12/03/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 23/01/2012
- Phantom: SAM1; Type: SAM; Serial: TP1561
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

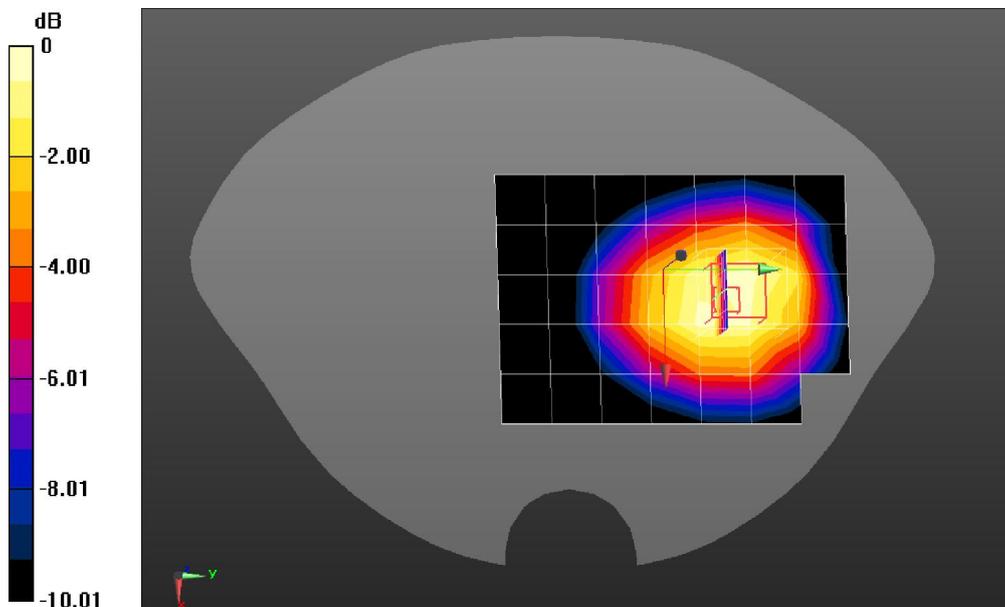
**Configuration/GPRS850 Low Body-Back/Area Scan (6x8x1):** Measurement grid: dx=20mm, dy=20mm

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

**Configuration/GPRS850 Low Body-Back/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm, Reference Value = 10.344 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 1.294 mW/g

**SAR(1 g) = 0.968 mW/g; SAR(10 g) = 0.703 mW/g** Maximum value of SAR (measured) = 1.02 mW/g



0 dB = 1.02 mW/g = 0.17 dB mW/g

Date/Time: 20-11-2012

Test Laboratory: QuieTek Lab

GPRS850 Low Body-Back(4up)(with battery #3)

**DUT: GSM Mobile Phone ; Type: HUAWEI G3621**

Communication System: GPRS/EGPRS-4 Slot; Communication System Band: GSM 850; Duty Cycle: 1:2.1 ;  
 Frequency: 824.2 MHz; Medium parameters used:  $f = 824.2$  MHz;  $\sigma = 0.96$  mho/m;  $\epsilon_r = 55.73$ ;  $\rho = 1000$  kg/m<sup>3</sup> ; Phantom section: Flat Section

Ambient temperature (°C): 21.5, Liquid temperature (°C): 21.0

DASY5 Configuration:

- Probe: EX3DV4 - SN3710; ConvF(9.13, 9.13, 9.13); Calibrated: 12/03/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 23/01/2012
- Phantom: SAM1; Type: SAM; Serial: TP1561
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

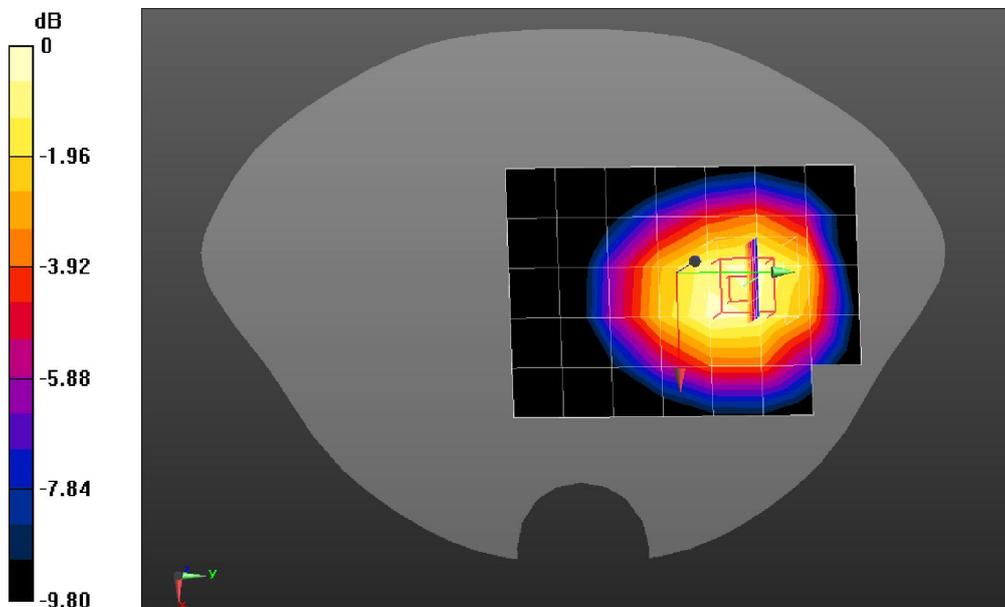
**Configuration/GPRS850 Low Body-Back/Area Scan (6x8x1):** Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (measured) = 0.904 mW/g

**Configuration/GPRS850 Low Body-Back/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm, Reference Value = 10.611 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 1.231 mW/g

**SAR(1 g) = 0.926 mW/g; SAR(10 g) = 0.674 mW/g** Maximum value of SAR (measured) = 0.977 mW/g



0 dB = 0.977 mW/g = -0.20 dB mW/g

Date/Time: 20-11-2012

Test Laboratory: QuieTek Lab

GPRS850 Low Body-Back(4up)(with headset #1)

**DUT: GSM Mobile Phone ; Type: HUAWEI G3621**

Communication System: GPRS/EGPRS-4 Slot; Communication System Band: GSM 850; Duty Cycle: 1:2.1 ;  
 Frequency: 824.2 MHz; Medium parameters used:  $f = 824.2$  MHz;  $\sigma = 0.96$  mho/m;  $\epsilon_r = 55.73$ ;  $\rho = 1000$  kg/m<sup>3</sup> ; Phantom section: Flat Section

Ambient temperature (°C): 21.5, Liquid temperature (°C): 21.0

DASY5 Configuration:

- Probe: EX3DV4 - SN3710; ConvF(9.13, 9.13, 9.13); Calibrated: 12/03/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 23/01/2012
- Phantom: SAM1; Type: SAM; Serial: TP1561
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

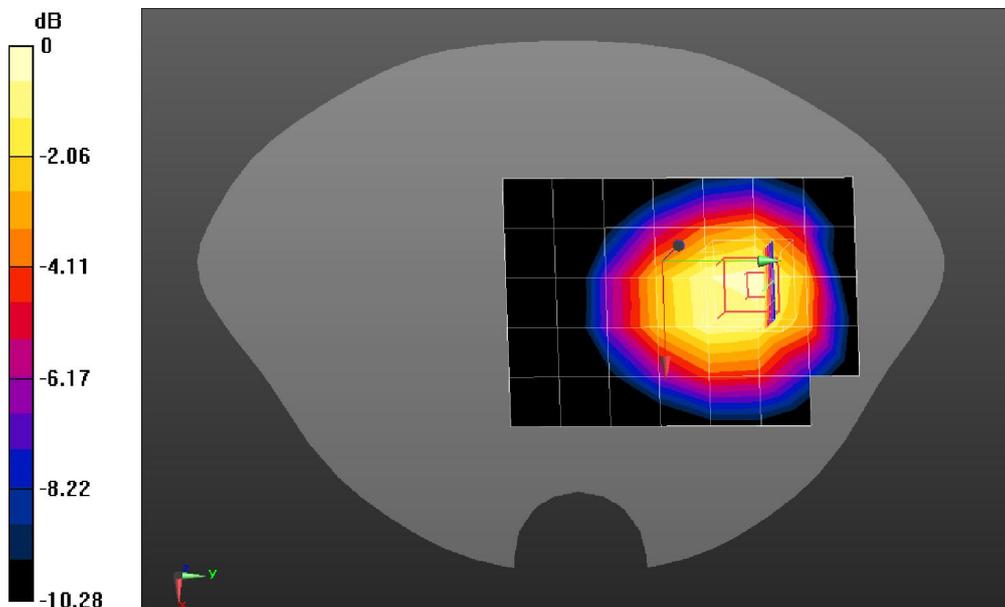
**Configuration/GPRS850 Low Body-Back/Area Scan (6x8x1):** Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (measured) = 0.836 mW/g

**Configuration/GPRS850 Low Body-Back/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm, Reference Value = 9.149 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 1.085 mW/g

**SAR(1 g) = 0.814 mW/g; SAR(10 g) = 0.588 mW/g** Maximum value of SAR (measured) = 0.863 mW/g



0 dB = 0.863 mW/g = -1.28 dB mW/g

Date/Time: 20-11-2012

Test Laboratory: QuieTek Lab

GPRS850 Low Body-Back(4up)(with headset #2)

**DUT: GSM Mobile Phone ; Type: HUAWEI G3621**

Communication System: GPRS/EGPRS-4 Slot; Communication System Band: GSM 850; Duty Cycle: 1:2.1 ;  
 Frequency: 824.2 MHz; Medium parameters used:  $f = 824.2$  MHz;  $\sigma = 0.96$  mho/m;  $\epsilon_r = 55.73$ ;  $\rho = 1000$  kg/m<sup>3</sup> ; Phantom section: Flat Section

Ambient temperature (°C): 21.5, Liquid temperature (°C): 21.0

DASY5 Configuration:

- Probe: EX3DV4 - SN3710; ConvF(9.13, 9.13, 9.13); Calibrated: 12/03/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 23/01/2012
- Phantom: SAM1; Type: SAM; Serial: TP1561
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

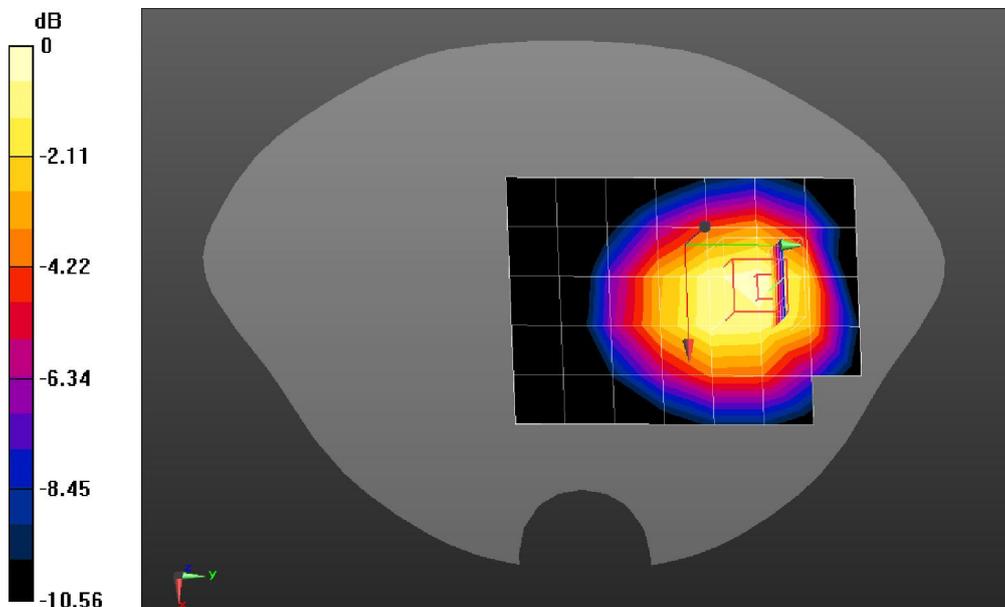
**Configuration/GPRS850 Low Body-Back/Area Scan (6x8x1):** Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (measured) = 0.797 mW/g

**Configuration/GPRS850 Low Body-Back/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm, Reference Value = 8.908 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 1.043 mW/g

**SAR(1 g) = 0.773 mW/g; SAR(10 g) = 0.556 mW/g** Maximum value of SAR (measured) = 0.829 mW/g



0 dB = 0.829 mW/g = -1.63 dB mW/g

Date/Time: 20-11-2012

Test Laboratory: QuieTek Lab

PCS1900 Low Touch-Left

**DUT: GSM Mobile Phone ; Type: HUAWEI G3621**

Communication System: Generic GSM; Communication System Band: PCS1900; Duty Cycle: 1:8.3;

Frequency: 1850.2 MHz; Medium parameters used:  $f = 1850.2$  MHz;  $\sigma = 1.41$  mho/m;  $\epsilon_r = 40.71$ ;  $\rho = 1000$  kg/m<sup>3</sup> ; Phantom section: Left Section

Ambient temperature (°C): 21.5, Liquid temperature (°C): 21.0

DASY5 Configuration:

- Probe: EX3DV4 - SN3710; ConvF(8.16, 8.16, 8.16); Calibrated: 12/03/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 23/01/2012
- Phantom: SAM1; Type: SAM; Serial: TP1561
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

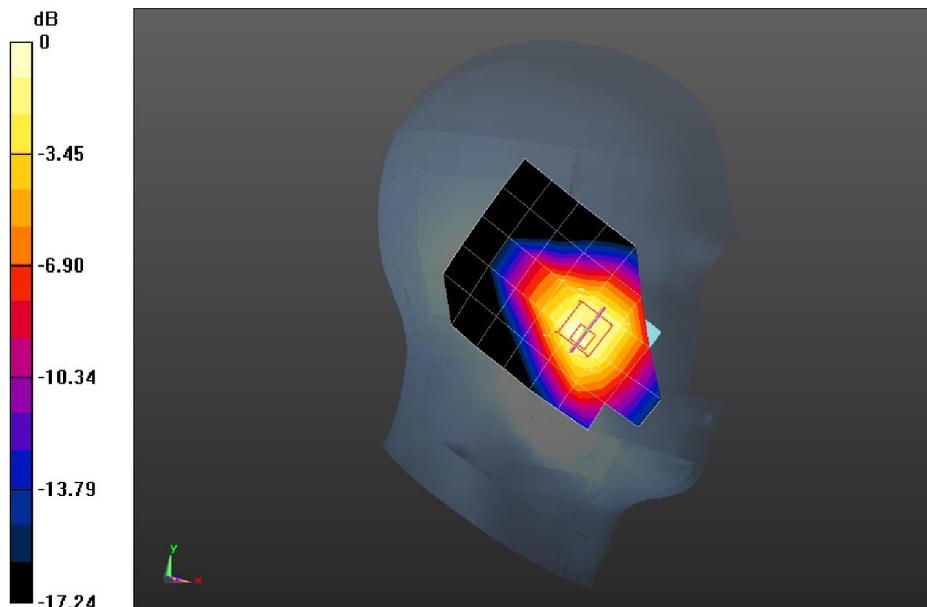
**Configuration/PCS1900 Low Touch-Left/Area Scan (6x8x1):** Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (measured) = 0.835 mW/g

**Configuration/PCS1900 Low Touch-Left/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm, Reference Value = 6.193 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 1.409 mW/g

**SAR(1 g) = 0.848 mW/g; SAR(10 g) = 0.490 mW/g** Maximum value of SAR (measured) = 0.901 mW/g



0 dB = 0.901 mW/g = -0.91 dB mW/g

Date/Time: 20-11-2012

Test Laboratory: QuieTek Lab

PCS1900 Mid Touch-Left

**DUT: GSM Mobile Phone ; Type: HUAWEI G3621**

Communication System: Generic GSM; Communication System Band: PCS1900; Duty Cycle: 1:8.3;

Frequency: 1880 MHz; Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.43$  mho/m;  $\epsilon_r = 40.6$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;

Phantom section: Left Section

Ambient temperature (°C): 21.5, Liquid temperature (°C): 21.0

DASY5 Configuration:

- Probe: EX3DV4 - SN3710; ConvF(8.16, 8.16, 8.16); Calibrated: 12/03/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 23/01/2012
- Phantom: SAM1; Type: SAM; Serial: TP1561
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

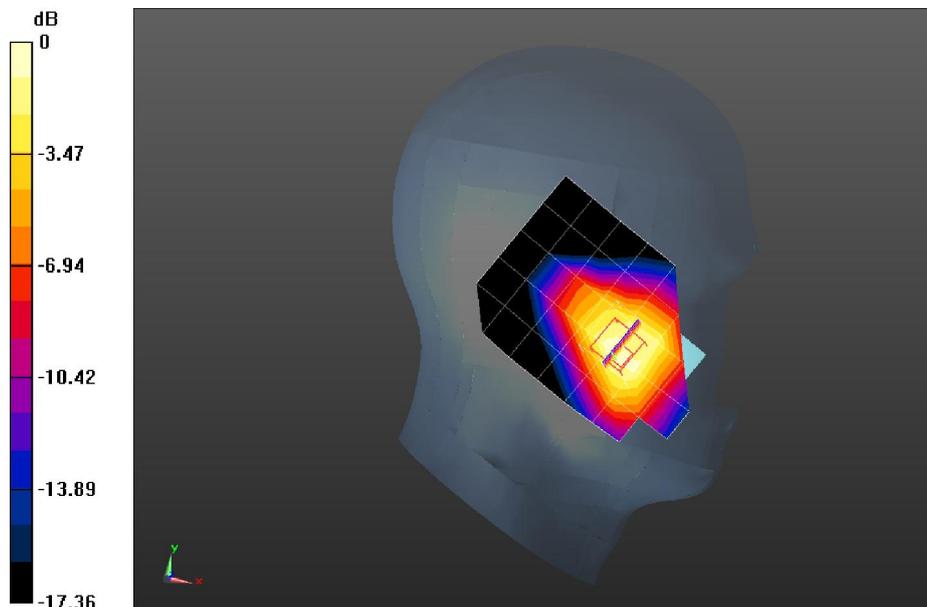
**Configuration/PCS1900 Mid Touch-Left/Area Scan (6x8x1):** Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (measured) = 0.883 mW/g

**Configuration/PCS1900 Mid Touch-Left/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm, Reference Value = 5.756 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 1.496 mW/g

**SAR(1 g) = 0.899 mW/g; SAR(10 g) = 0.524 mW/g** Maximum value of SAR (measured) = 0.948 mW/g



0 dB = 0.948 mW/g = -0.46 dB mW/g

Date/Time: 20-11-2012

Test Laboratory: QuieTek Lab

PCS1900 High Touch-Left

**DUT: GSM Mobile Phone ; Type: HUAWEI G3621**

Communication System: Generic GSM; Communication System Band: PCS1900; Duty Cycle: 1:8.3;

Frequency: 1909.8 MHz; Medium parameters used:  $f = 1909.8$  MHz;  $\sigma = 1.45$  mho/m;  $\epsilon_r = 40.5$ ;  $\rho = 1000$  kg/m<sup>3</sup> ; Phantom section: Left Section

Ambient temperature (°C): 21.5, Liquid temperature (°C): 21.0

DASY5 Configuration:

- Probe: EX3DV4 - SN3710; ConvF(8.16, 8.16, 8.16); Calibrated: 12/03/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 23/01/2012
- Phantom: SAM1; Type: SAM; Serial: TP1561
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

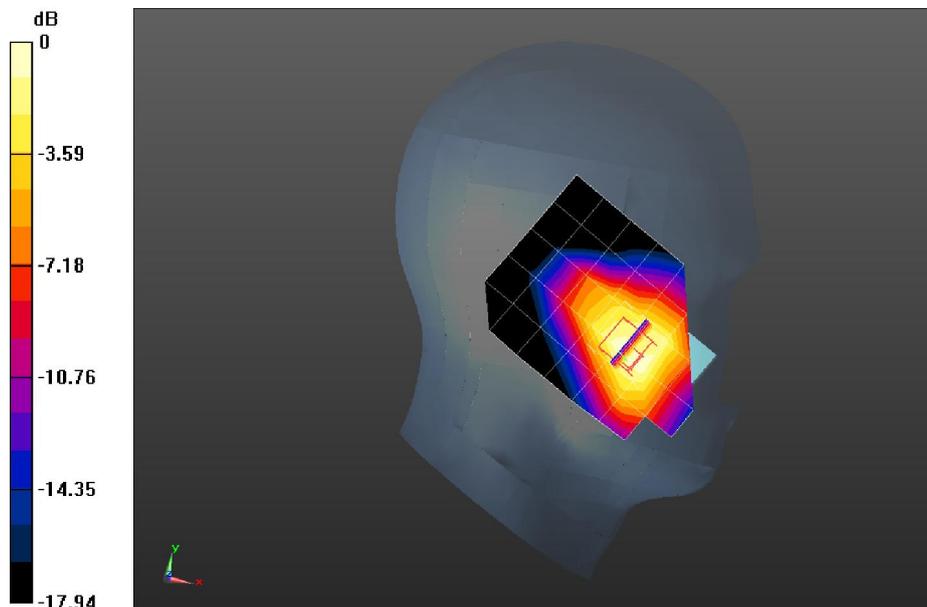
**Configuration/PCS1900 High Touch-Left/Area Scan (6x8x1):** Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (measured) = 0.857 mW/g

**Configuration/PCS1900 High Touch-Left/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm, Reference Value = 5.884 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 1.448 mW/g

**SAR(1 g) = 0.868 mW/g; SAR(10 g) = 0.508 mW/g** Maximum value of SAR (measured) = 0.938 mW/g



0 dB = 0.938 mW/g = -0.56 dB mW/g

Date/Time: 20-11-2012

Test Laboratory: QuieTek Lab

PCS1900 Mid Tilt-Left

**DUT: GSM Mobile Phone ; Type: HUAWEI G3621**

Communication System: Generic GSM; Communication System Band: PCS1900; Duty Cycle: 1:8.3;

Frequency: 1880 MHz; Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.43$  mho/m;  $\epsilon_r = 40.6$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;

Phantom section: Left Section

Ambient temperature (°C): 21.5, Liquid temperature (°C): 21.0

DASY5 Configuration:

- Probe: EX3DV4 - SN3710; ConvF(8.16, 8.16, 8.16); Calibrated: 12/03/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 23/01/2012
- Phantom: SAM1; Type: SAM; Serial: TP1561
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

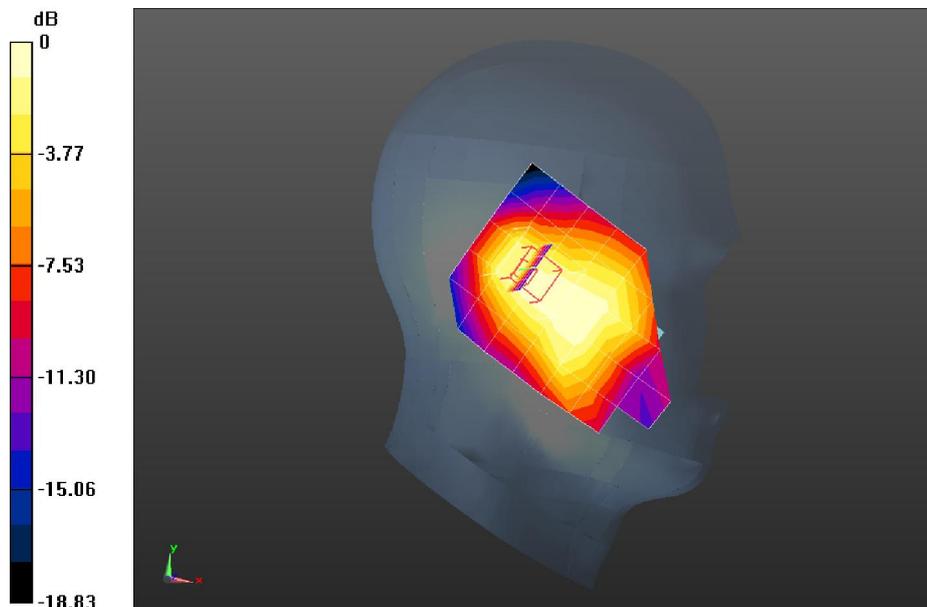
**Configuration/PCS1900 Mid Tilt-Left/Area Scan (6x8x1):** Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (measured) = 0.170 mW/g

**Configuration/PCS1900 Mid Tilt-Left/Zoom Scan (5x6x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm, Reference Value = 10.683 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.284 mW/g

**SAR(1 g) = 0.175 mW/g; SAR(10 g) = 0.106 mW/g** Maximum value of SAR (measured) = 0.190 mW/g



0 dB = 0.190 mW/g = -14.42 dB mW/g

Date/Time: 20-11-2012

Test Laboratory: QuieTek Lab

PCS1900 Low Touch-Right

**DUT: GSM Mobile Phone ; Type: HUAWEI G3621**

Communication System: Generic GSM; Communication System Band: PCS1900; Duty Cycle: 1:8.3;

Frequency: 1850.2 MHz; Medium parameters used:  $f = 1850.2$  MHz;  $\sigma = 1.41$  mho/m;  $\epsilon_r = 40.71$ ;  $\rho = 1000$  kg/m<sup>3</sup> ; Phantom section: Right Section

Ambient temperature (°C): 21.5, Liquid temperature (°C): 21.0

DASY5 Configuration:

- Probe: EX3DV4 - SN3710; ConvF(8.16, 8.16, 8.16); Calibrated: 12/03/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 23/01/2012
- Phantom: SAM1; Type: SAM; Serial: TP1561
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

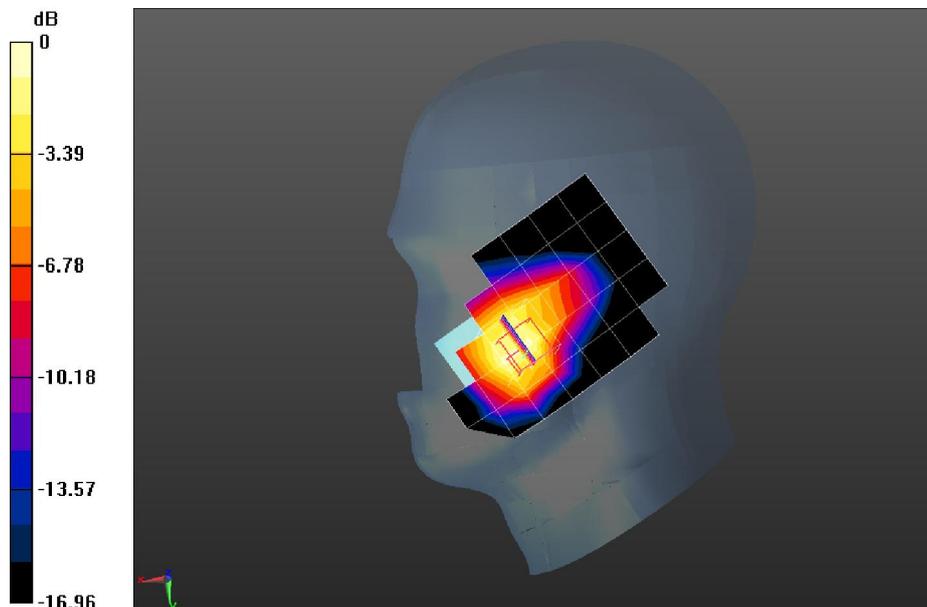
**Configuration/PCS1900 Low Touch-Right/Area Scan (6x8x1):** Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (measured) = 0.910 mW/g

**Configuration/PCS1900 Low Touch-Right/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm, Reference Value = 5.488 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 1.699 mW/g

**SAR(1 g) = 0.990 mW/g; SAR(10 g) = 0.575 mW/g** Maximum value of SAR (measured) = 1.08 mW/g



0 dB = 1.08 mW/g = 0.67 dB mW/g

Date/Time: 20-11-2012

Test Laboratory: QuieTek Lab

PCS1900 Mid Touch-Right

**DUT: GSM Mobile Phone ; Type: HUAWEI G3621**

Communication System: Generic GSM; Communication System Band: PCS1900; Duty Cycle: 1:8.3;

Frequency: 1880 MHz; Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.43$  mho/m;  $\epsilon_r = 40.6$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;

Phantom section: Right Section

Ambient temperature (°C): 21.5, Liquid temperature (°C): 21.0

DASY5 Configuration:

- Probe: EX3DV4 - SN3710; ConvF(8.16, 8.16, 8.16); Calibrated: 12/03/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 23/01/2012
- Phantom: SAM1; Type: SAM; Serial: TP1561
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

**Configuration/PCS1900 Mid Touch-Right/Area Scan (6x8x1):** Measurement grid: dx=20mm, dy=20mm

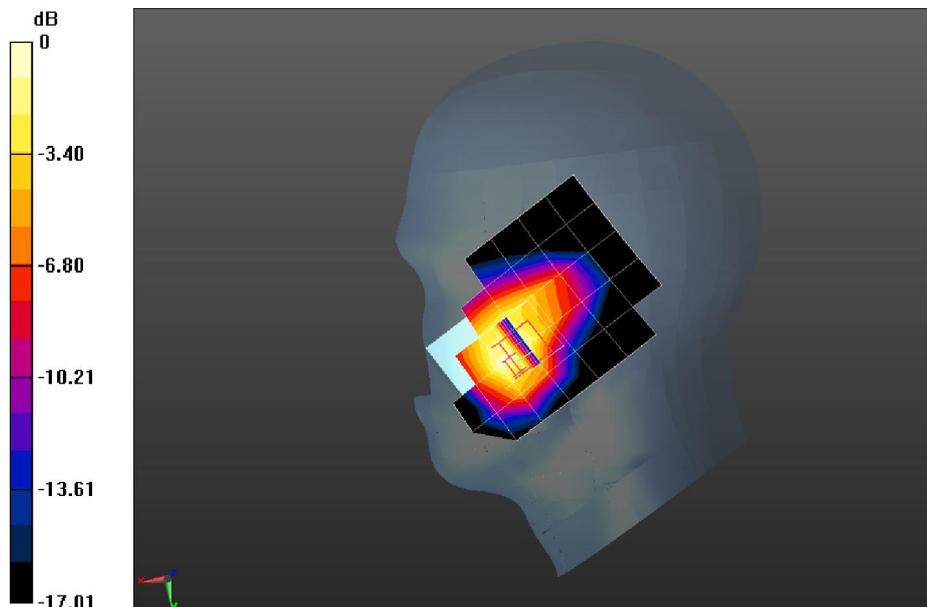
Maximum value of SAR (measured) = 1.13 mW/g

**Configuration/PCS1900 Mid Touch-Right/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm,

dy=8mm, dz=5mm, Reference Value = 6.653 V/m; Power Drift = 0.17 dB

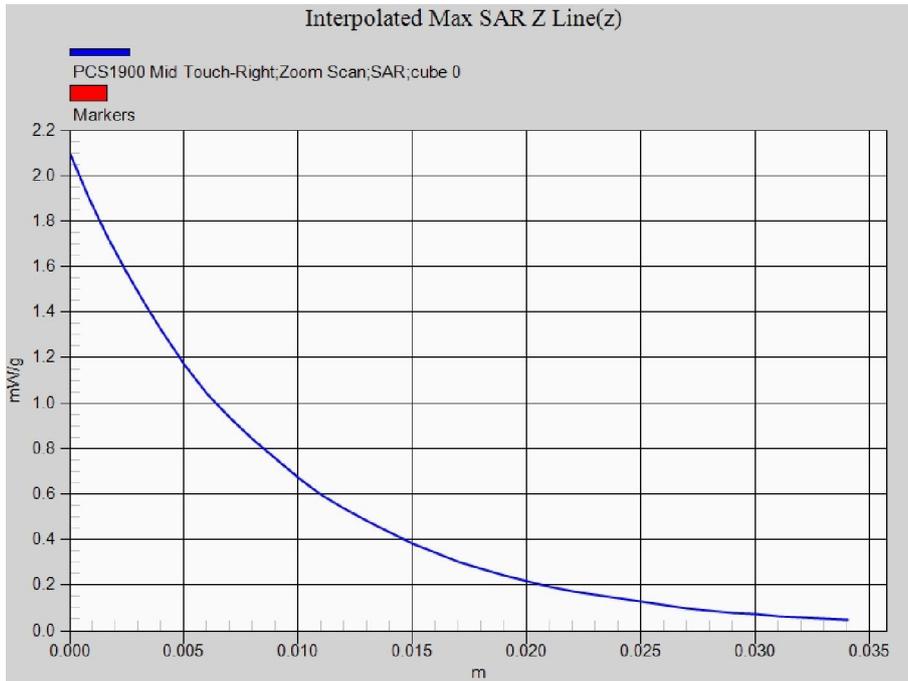
Peak SAR (extrapolated) = 2.096 mW/g

**SAR(1 g) = 1.2 mW/g; SAR(10 g) = 0.692 mW/g** Maximum value of SAR (measured) = 1.31 mW/g



0 dB = 1.31 mW/g = 2.35 dB mW/g

Z-Axis Plot



Date/Time: 20-11-2012

Test Laboratory: QuieTek Lab

PCS1900 High Touch-Right

**DUT: GSM Mobile Phone ; Type: HUAWEI G3621**

Communication System: Generic GSM; Communication System Band: PCS1900; Duty Cycle: 1:8.3;

Frequency: 1909.8 MHz; Medium parameters used:  $f = 1909.8$  MHz;  $\sigma = 1.45$  mho/m;  $\epsilon_r = 40.5$ ;  $\rho = 1000$  kg/m<sup>3</sup> ; Phantom section: Right Section

Ambient temperature (°C): 21.5, Liquid temperature (°C): 21.0

DASY5 Configuration:

- Probe: EX3DV4 - SN3710; ConvF(8.16, 8.16, 8.16); Calibrated: 12/03/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 23/01/2012
- Phantom: SAM1; Type: SAM; Serial: TP1561
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

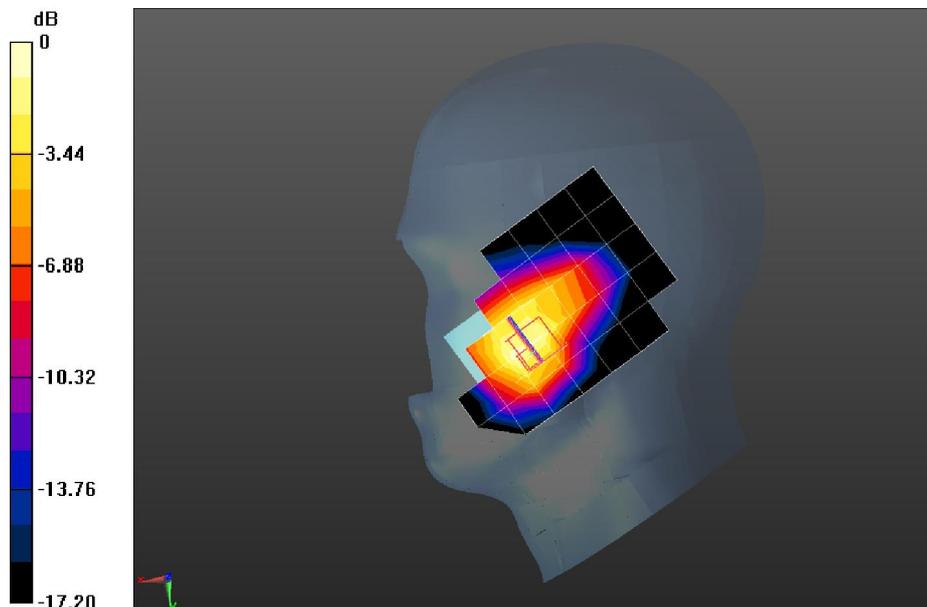
**Configuration/PCS1900 High Touch-Right/Area Scan (6x8x1):** Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (measured) = 1.06 mW/g

**Configuration/PCS1900 High Touch-Right/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm, Reference Value = 6.702 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 1.929 mW/g

**SAR(1 g) = 1.12 mW/g; SAR(10 g) = 0.631 mW/g** Maximum value of SAR (measured) = 1.23 mW/g



0 dB = 1.23 mW/g = 1.80 dB mW/g

Date/Time: 20-11-2012

Test Laboratory: QuieTek Lab

PCS1900 Mid Tilt-Right

**DUT: GSM Mobile Phone ; Type: HUAWEI G3621**

Communication System: Generic GSM; Communication System Band: PCS1900; Duty Cycle: 1:8.3;

Frequency: 1880 MHz; Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.43$  mho/m;  $\epsilon_r = 40.6$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;

Phantom section: Right Section

Ambient temperature (°C): 21.5, Liquid temperature (°C): 21.0

DASY5 Configuration:

- Probe: EX3DV4 - SN3710; ConvF(8.16, 8.16, 8.16); Calibrated: 12/03/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 23/01/2012
- Phantom: SAM1; Type: SAM; Serial: TP1561
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

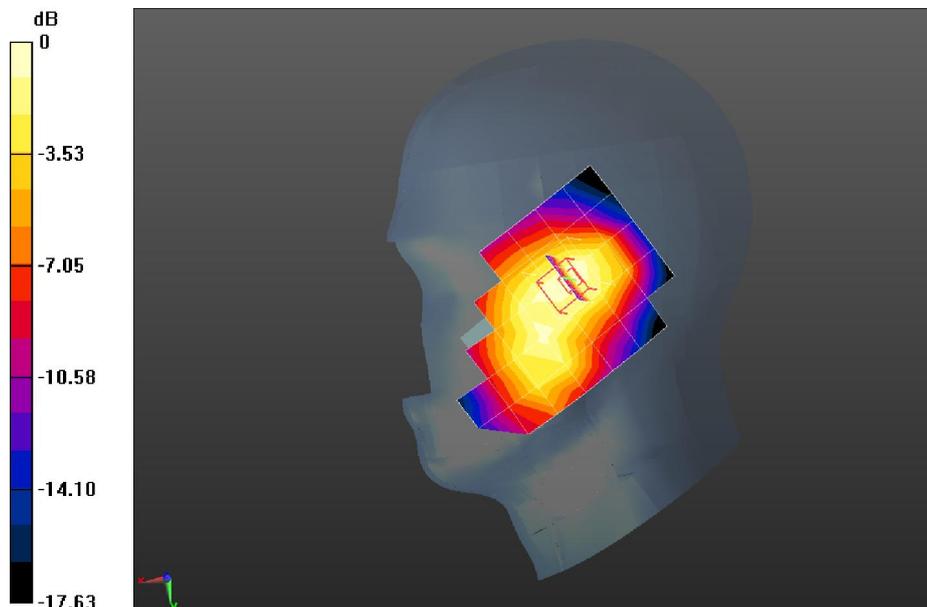
**Configuration/PCS1900 Mid Tilt-Right/Area Scan (6x8x1):** Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (measured) = 0.206 mW/g

**Configuration/PCS1900 Mid Tilt-Right/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm, Reference Value = 8.575 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 0.312 mW/g

**SAR(1 g) = 0.203 mW/g; SAR(10 g) = 0.128 mW/g** Maximum value of SAR (measured) = 0.218 mW/g



0 dB = 0.218 mW/g = -13.23 dB mW/g

Date/Time: 20-11-2012

Test Laboratory: QuieTek Lab

PCS1900 Mid Body-Back

**DUT: GSM Mobile Phone ; Type: HUAWEI G3621**

Communication System: Generic GSM; Communication System Band: PCS1900; Duty Cycle: 1:8.3;

Frequency: 1880 MHz; Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.53$  mho/m;  $\epsilon_r = 53.21$ ;  $\rho = 1000$

kg/m<sup>3</sup> ; Phantom section: Flat Section

Ambient temperature (°C): 21.5, Liquid temperature (°C): 21.0

DASY5 Configuration:

- Probe: EX3DV4 - SN3710; ConvF(7.43, 7.43, 7.43); Calibrated: 12/03/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 23/01/2012
- Phantom: SAM2; Type: SAM; Serial: TP1562
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

**Configuration/PCS1900 Mid Body-Back/Area Scan (6x8x1):** Measurement grid: dx=20mm, dy=20mm

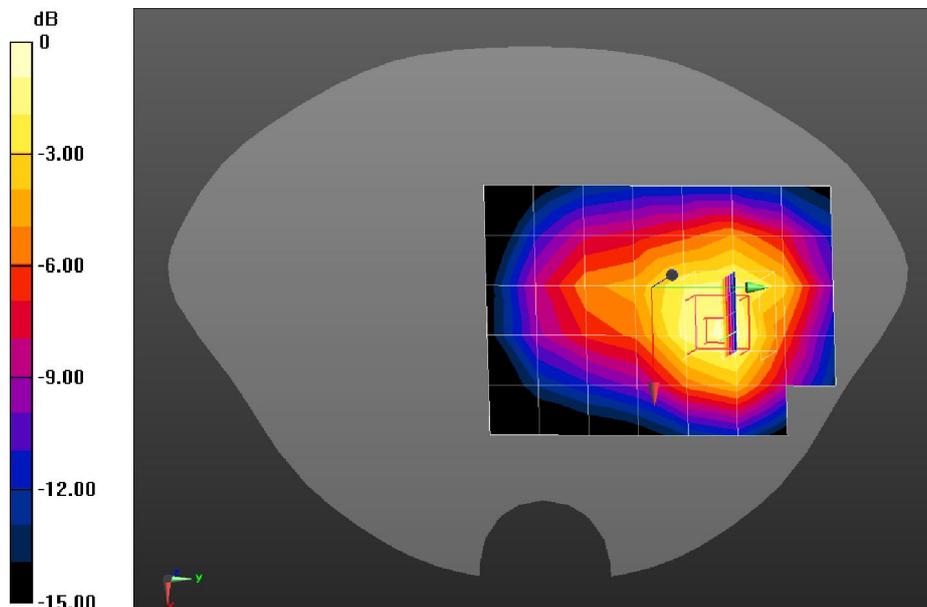
Maximum value of SAR (measured) = 0.388 mW/g

**Configuration/PCS1900 Mid Body-Back/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm,

dy=8mm, dz=5mm, Reference Value = 6.698 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 0.645 mW/g

**SAR(1 g) = 0.398 mW/g; SAR(10 g) = 0.237 mW/gm** Maximum value of SAR (measured) = 0.431 mW/g



0 dB = 0.431 mW/g = -7.31 dB mW/g

Date/Time: 20-11-2012

Test Laboratory: QuieTek Lab

PCS1900 Mid Body-Back(with headset #2)

**DUT: GSM Mobile Phone ; Type: HUAWEI G3621**

Communication System: Generic GSM; Communication System Band: PCS1900; Duty Cycle: 1:8.3;

Frequency: 1880 MHz; Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.53$  mho/m;  $\epsilon_r = 53.21$ ;  $\rho = 1000$

kg/m<sup>3</sup> ; Phantom section: Flat Section

Ambient temperature (°C): 21.5, Liquid temperature (°C): 21.0

DASY5 Configuration:

- Probe: EX3DV4 - SN3710; ConvF(7.43, 7.43, 7.43); Calibrated: 12/03/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 23/01/2012
- Phantom: SAM2; Type: SAM; Serial: TP1562
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

**Configuration/PCS1900 Mid Body-Back/Area Scan (6x8x1):** Measurement grid: dx=20mm, dy=20mm

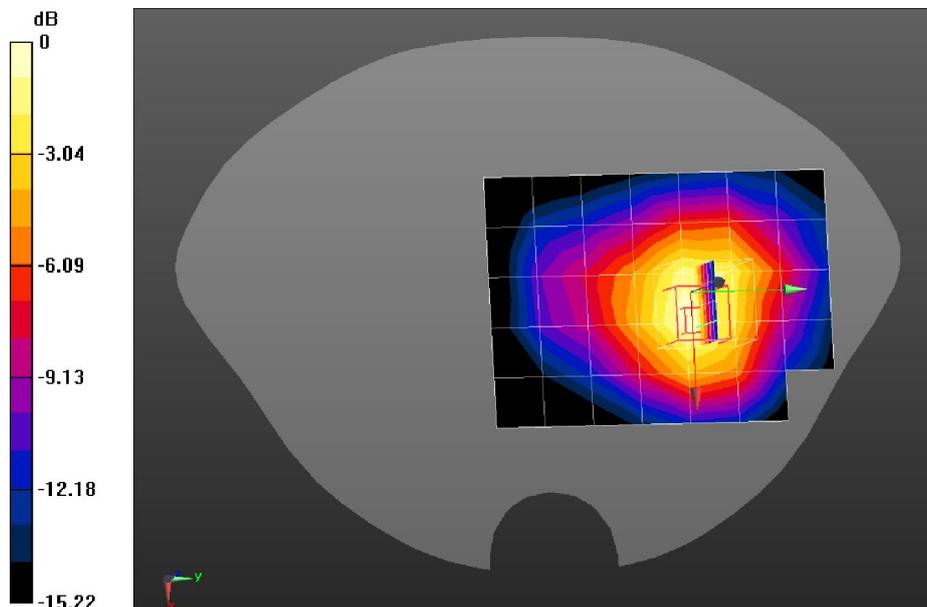
Maximum value of SAR (measured) = 0.531 mW/g

**Configuration/PCS1900 Mid Body-Back/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm,

dy=8mm, dz=5mm, Reference Value = 6.275 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.833 mW/g

**SAR(1 g) = 0.503 mW/g; SAR(10 g) = 0.296 mW/g** Maximum value of SAR (measured) = 0.546 mW/g



0 dB = 0.546 mW/g = -5.26 dB mW/g

Date/Time: 20-11-2012

Test Laboratory: QuieTek Lab

GPRS1900 Mid Body-Back(2up)

**DUT: GSM Mobile Phone ; Type: HUAWEI G3621**

Communication System: GPRS/EGPRS-2 Slot; Communication System Band: PCS1900; Duty Cycle: 1:4.2 ;  
 Frequency: 1880 MHz; Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.53$  mho/m;  $\epsilon_r = 53.21$ ;  $\rho = 1000$  kg/m<sup>3</sup> ; Phantom section: Flat Section

Ambient temperature (°C): 21.5, Liquid temperature (°C): 21.0

DASY5 Configuration:

- Probe: EX3DV4 - SN3710; ConvF(7.43, 7.43, 7.43); Calibrated: 12/03/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 23/01/2012
- Phantom: SAM2; Type: SAM; Serial: TP1562
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

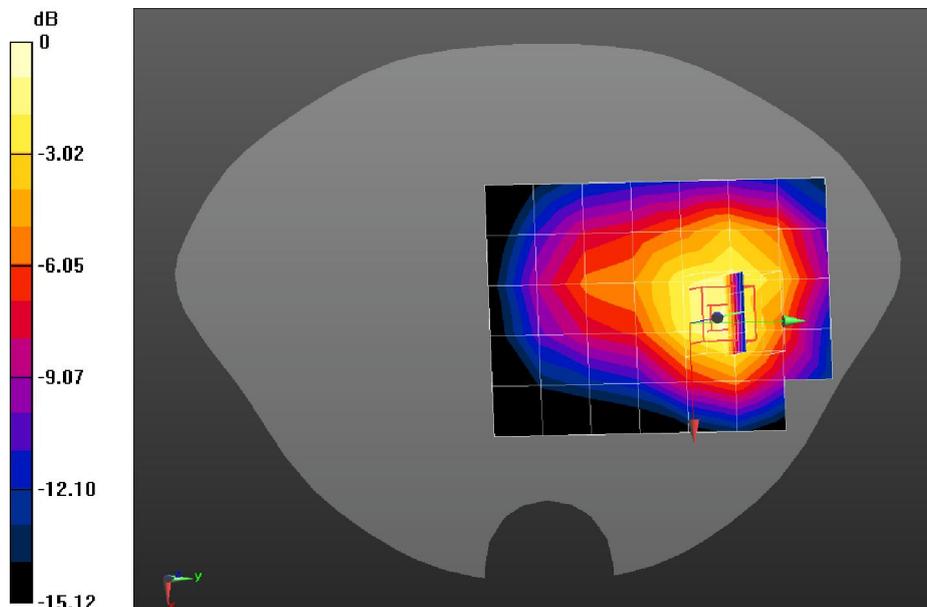
**Configuration/GPRS1900 Mid Body-Back/Area Scan (6x8x1):** Measurement grid: dx=20mm, dy=20mm

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

**Configuration/GPRS1900 Mid Body-Back/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm, Reference Value = 6.314 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.682 mW/g

**SAR(1 g) = 0.417 mW/g; SAR(10 g) = 0.246 mW/g** Maximum value of SAR (measured) = 0.454 mW/g



0 dB = 0.454 mW/g = -6.86 dB mW/g

Date/Time: 20-11-2012

Test Laboratory: QuieTek Lab

GPRS1900 Mid Body-Back(3up)

**DUT: GSM Mobile Phone ; Type: HUAWEI G3621**

Communication System: GPRS/EGPRS-3 Slot; Communication System Band: PCS 1900; Duty Cycle: 1:2.8 ; Frequency: 1880 MHz; Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.53$  mho/m;  $\epsilon_r = 53.21$ ;  $\rho = 1000$  kg/m<sup>3</sup> ; Phantom section: Flat Section

Ambient temperature (°C): 21.5, Liquid temperature (°C): 21.0

DASY5 Configuration:

- Probe: EX3DV4 - SN3710; ConvF(7.43, 7.43, 7.43); Calibrated: 12/03/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 23/01/2012
- Phantom: SAM2; Type: SAM; Serial: TP1562
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

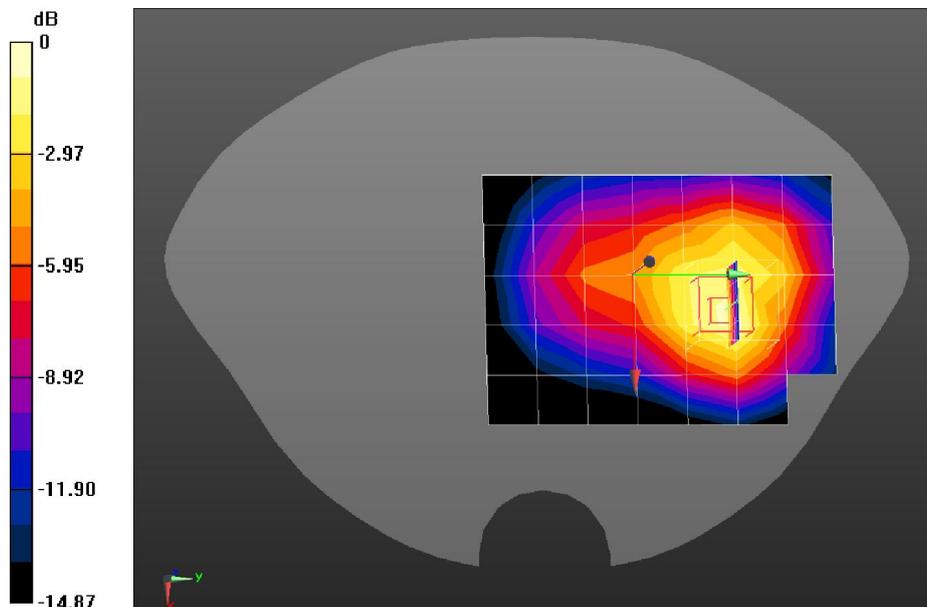
**Configuration/GPRS1900 Mid Body-Back/Area Scan (6x8x1):** Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (measured) = 0.530 mW/g

**Configuration/GPRS1900 Mid Body-Back/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm, Reference Value = 7.095 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.842 mW/g

**SAR(1 g) = 0.522 mW/g; SAR(10 g) = 0.309 mW/g** Maximum value of SAR (measured) = 0.566 mW/g



0 dB = 0.566 mW/g = -4.94 dB mW/g

Date/Time: 20-11-2012

Test Laboratory: QuieTek Lab

GPRS1900 Mid Body-Back(4up)

**DUT: GSM Mobile Phone ; Type: HUAWEI G3621**

Communication System: GPRS/EGPRS-4 Slot; Communication System Band: PCS 1900; Duty Cycle: 1:2.1 ; Frequency: 1880 MHz; Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.53$  mho/m;  $\epsilon_r = 53.21$ ;  $\rho = 1000$  kg/m<sup>3</sup> ; Phantom section: Flat Section

Ambient temperature (°C): 21.5, Liquid temperature (°C): 21.0

DASY5 Configuration:

- Probe: EX3DV4 - SN3710; ConvF(7.43, 7.43, 7.43); Calibrated: 12/03/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 23/01/2012
- Phantom: SAM2; Type: SAM; Serial: TP1562
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

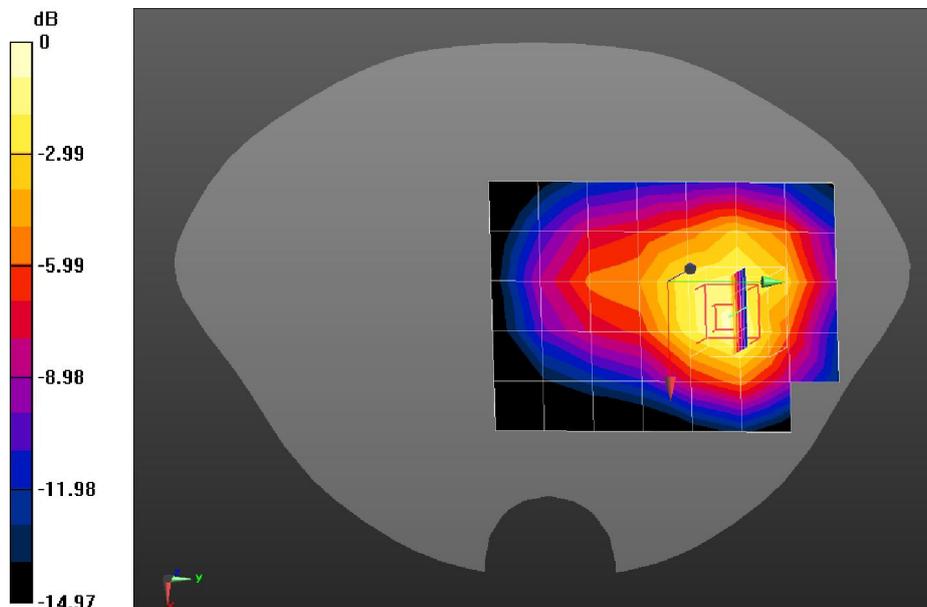
**Configuration/GPRS1900 Mid Body-Back/Area Scan (6x8x1):** Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (measured) = 0.563 mW/g

**Configuration/GPRS1900 Mid Body-Back/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm, Reference Value = 7.352 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.913 mW/g

**SAR(1 g) = 0.560 mW/g; SAR(10 g) = 0.330 mW/g** Maximum value of SAR (measured) = 0.607 mW/g



0 dB = 0.607 mW/g = -4.34 dB mW/g

Date/Time: 20-11-2012

Test Laboratory: QuieTek Lab

GPRS1900 Mid Body-Front(4up)

**DUT: GSM Mobile Phone ; Type: HUAWEI G3621**

Communication System: GPRS/EGPRS-4 Slot; Communication System Band: PCS 1900; Duty Cycle: 1:2.1 ; Frequency: 1880 MHz; Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.53$  mho/m;  $\epsilon_r = 53.21$ ;  $\rho = 1000$  kg/m<sup>3</sup> ; Phantom section: Flat Section

Ambient temperature (°C): 21.5, Liquid temperature (°C): 21.0

DASY5 Configuration:

- Probe: EX3DV4 - SN3710; ConvF(7.43, 7.43, 7.43); Calibrated: 12/03/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 23/01/2012
- Phantom: SAM2; Type: SAM; Serial: TP1562
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

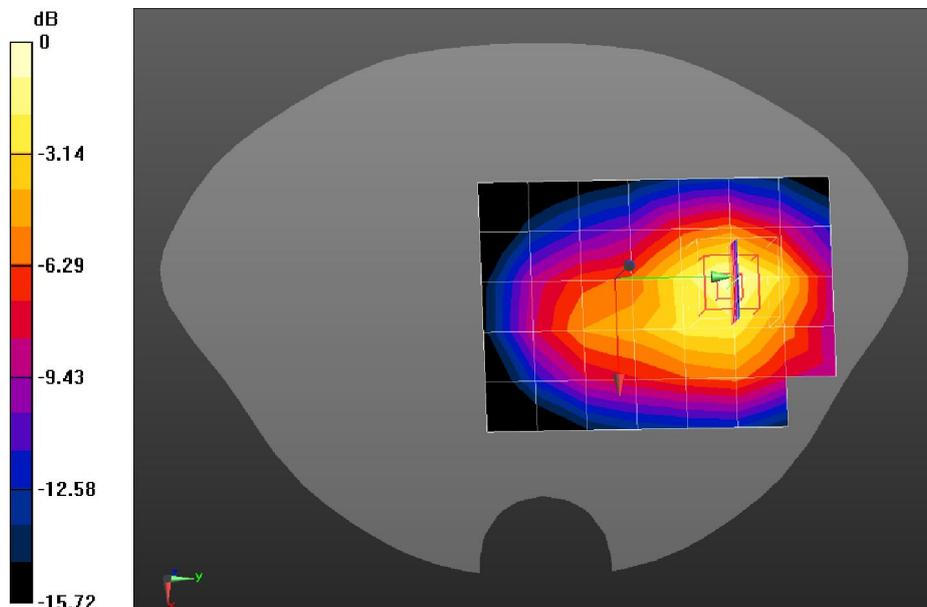
**Configuration/GPRS1900 Mid Body-Front/Area Scan (6x8x1):** Measurement grid: dx=20mm, dy=20mm

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

**Configuration/GPRS1900 Mid Body-Front/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm, Reference Value = 7.601 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.757 mW/g

**SAR(1 g) = 0.472 mW/g; SAR(10 g) = 0.280 mW/g** Maximum value of SAR (measured) = 0.518 mW/g



0 dB = 0.518 mW/g = -5.71 dB mW/g

Date/Time: 20-11-2012

Test Laboratory: QuieTek Lab

GPRS1900 Mid Body-Back(4up)(with headset #1)

**DUT: GSM Mobile Phone ; Type: HUAWEI G3621**

Communication System: GPRS/EGPRS-4 Slot; Communication System Band: PCS 1900; Duty Cycle: 1:2.1 ; Frequency: 1880 MHz; Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.53$  mho/m;  $\epsilon_r = 53.21$ ;  $\rho = 1000$  kg/m<sup>3</sup> ; Phantom section: Flat Section

Ambient temperature (°C): 21.5, Liquid temperature (°C): 21.0

DASY5 Configuration:

- Probe: EX3DV4 - SN3710; ConvF(7.43, 7.43, 7.43); Calibrated: 12/03/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 23/01/2012
- Phantom: SAM2; Type: SAM; Serial: TP1562
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

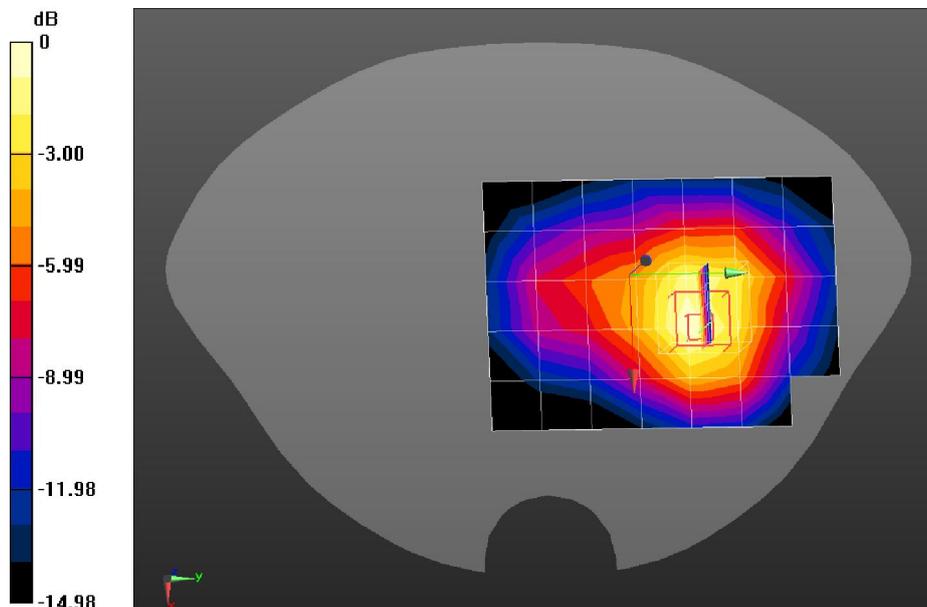
**Configuration/GPRS1900 Mid Body-Back/Area Scan (6x8x1):** Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (measured) = 0.683 mW/g

**Configuration/GPRS1900 Mid Body-Back/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm, Reference Value = 9.291 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.058 mW/g

**SAR(1 g) = 0.643 mW/g; SAR(10 g) = 0.377 mW/g** Maximum value of SAR (measured) = 0.700 mW/g



0 dB = 0.700 mW/g = -3.10 dB mW/g

Date/Time: 20-11-2012

Test Laboratory: QuieTek Lab

GPRS1900 Mid Body-Back(4up)(with headset #2)

**DUT: GSM Mobile Phone ; Type: HUAWEI G3621**

Communication System: GPRS/EGPRS-4 Slot; Communication System Band: PCS 1900; Duty Cycle: 1:2.1 ; Frequency: 1880 MHz; Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.53$  mho/m;  $\epsilon_r = 53.21$ ;  $\rho = 1000$  kg/m<sup>3</sup> ; Phantom section: Flat Section

Ambient temperature (°C): 21.5, Liquid temperature (°C): 21.0

DASY5 Configuration:

- Probe: EX3DV4 - SN3710; ConvF(7.43, 7.43, 7.43); Calibrated: 12/03/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 23/01/2012
- Phantom: SAM2; Type: SAM; Serial: TP1562
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

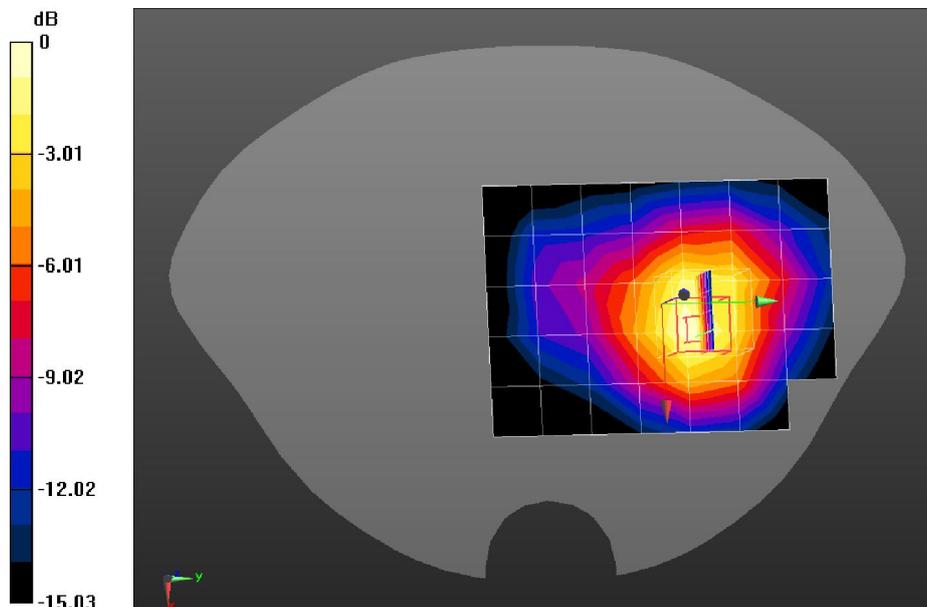
**Configuration/GPRS1900 Mid Body-Back/Area Scan (6x8x1):** Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (measured) = 0.762 mW/g

**Configuration/GPRS1900 Mid Body-Back/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm, Reference Value = 7.214 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 1.193 mW/g

**SAR(1 g) = 0.724 mW/g; SAR(10 g) = 0.423 mW/g** Maximum value of SAR (measured) = 0.784 mW/g



0 dB = 0.784 mW/g = -2.11 dB mW/g

Date/Time: 20-11-2012

Test Laboratory: QuieTek Lab

GPRS1900 Mid Body-Back(4up)(with headset #2)(with battery #2)

**DUT: GSM Mobile Phone ; Type: HUAWEI G3621**

Communication System: GPRS/EGPRS-4 Slot; Communication System Band: PCS 1900; Duty Cycle: 1:2.1 ; Frequency: 1880 MHz; Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.53$  mho/m;  $\epsilon_r = 53.21$ ;  $\rho = 1000$  kg/m<sup>3</sup> ; Phantom section: Flat Section

Ambient temperature (°C): 21.5, Liquid temperature (°C): 21.0

DASY5 Configuration:

- Probe: EX3DV4 - SN3710; ConvF(7.43, 7.43, 7.43); Calibrated: 12/03/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 23/01/2012
- Phantom: SAM2; Type: SAM; Serial: TP1562
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

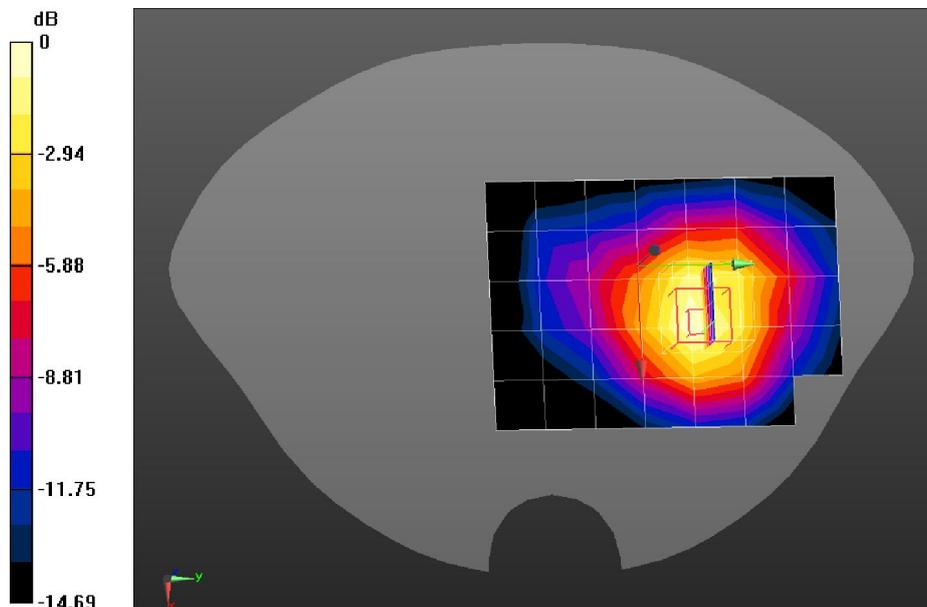
**Configuration/GPRS1900 Mid Body-Back/Area Scan (6x8x1):** Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (measured) = 0.774 mW/g

**Configuration/GPRS1900 Mid Body-Back/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm, Reference Value = 6.674 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.180 mW/g

**SAR(1 g) = 0.727 mW/g; SAR(10 g) = 0.430 mW/g** Maximum value of SAR (measured) = 0.780 mW/g



0 dB = 0.780 mW/g = -2.16 dB mW/g

Date/Time: 20-11-2012

Test Laboratory: QuieTek Lab

GPRS1900 Mid Body-Back(4up)(with headset #2)(with battery #3)

**DUT: GSM Mobile Phone ; Type: HUAWEI G3621**

Communication System: GPRS/EGPRS-4 Slot; Communication System Band: PCS 1900; Duty Cycle: 1:2.1 ; Frequency: 1880 MHz; Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.53$  mho/m;  $\epsilon_r = 53.21$ ;  $\rho = 1000$  kg/m<sup>3</sup> ; Phantom section: Flat Section

Ambient temperature (°C): 21.5, Liquid temperature (°C): 21.0

DASY5 Configuration:

- Probe: EX3DV4 - SN3710; ConvF(7.43, 7.43, 7.43); Calibrated: 12/03/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 23/01/2012
- Phantom: SAM2; Type: SAM; Serial: TP1562
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

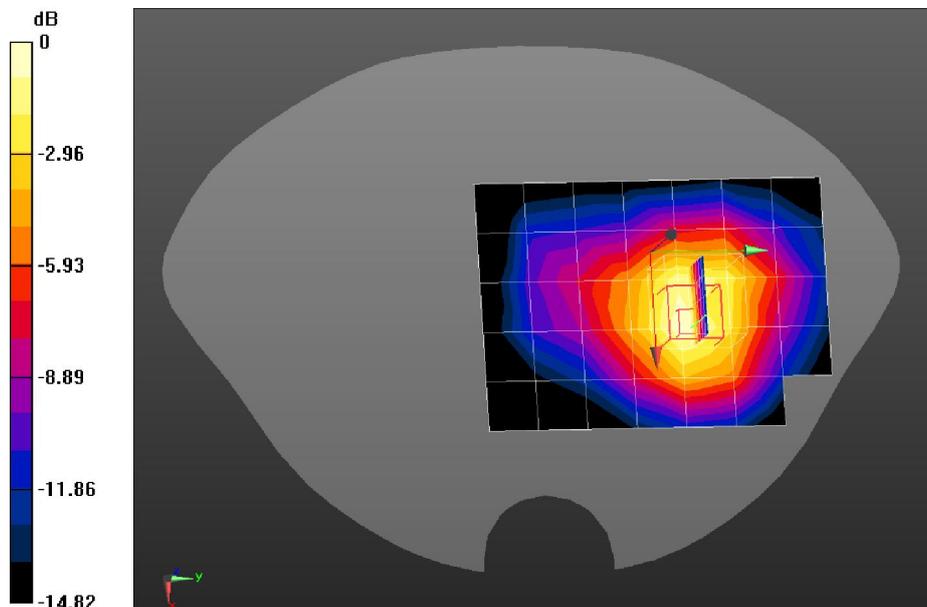
**Configuration/GPRS1900 Mid Body-Back/Area Scan (6x8x1):** Measurement grid: dx=20mm, dy=20mm

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

**Configuration/GPRS1900 Mid Body-Back/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm, Reference Value = 7.520 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 1.179 mW/g

**SAR(1 g) = 0.720 mW/g; SAR(10 g) = 0.427 mW/g** Maximum value of SAR (measured) = 0.788 mW/g



0 dB = 0.788 mW/g = -2.07 dB mW/g