



SAR Test Report

Product Name : HUAWEI Ascend G 500D; Ascend G 500D; Panama;
PANAMA; HSDPA/UMTS/GPRS/GSM/EDGE Mobile
Phone with Bluetooth

Model No. : HUAWEIU8832D-5, U8832D-5

FCC ID : QISU8832D-5

Applicant : Huawei Technologies Co., Ltd.

Address : Bantian, Longgang District, Shenzhen, 518129 Guangdong,
P. R. China

Date of Receipt : 15/06/2012

Date of Test : 02/07/2012~05/07/2012

Issued Date : 11/07/2012

Report No. : 126S044R-HP-US-P03V01

Report Version : V 1.2

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Test Report Certification

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Manufacturer : Huawei Technologies Co., Ltd.

Address : Bantian, Longgang District, Shenzhen, 518129 Guangdong, P.
R. China

Model No. : HUAWEIU8832D-5, U8832D-5

FCC ID : QISU8832D-5

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)

Head: 0.668 W/kg

Body: 1.08 W/kg

Performed Location : Suzhou EMC Laboratory

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We, **Quietek Corporation**, are an independent EMC and safety consultancy that was established the whole facility in our laboratories. The test facility has been accredited/accepted(audited or listed) by the following related bodies in compliance with ISO 17025, EN 45001 and specified testing scope:

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Japan	:	VCCI
China	:	CNAS

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The address and introduction of Quietek Corporation's laboratories can be founded in our Web site :
<http://www.quietek.com/>

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1. General Information

1.1. EUT Description

Product Name	HUAWEI Ascend G 500D; Ascend G 500D; Panama; PANAMA; HSDPA/UMTS/GPRS/GSM/EDGE Mobile Phone with Bluetooth
Model No.	HUAWEIU8832D-5, U8832D-5
Hardware Version	A61_MB_V2.0
Software Version	U8832DV100R001C41B100SP06
Device Category	Portable
RF Exposure Environment	Uncontrolled
Antenna Type	Internal
GPS	
Operate Frequency	1575.42MHz
Type of modulation	BPSK
2G	
Support Band	GSM850/GSM900/DCS1800/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	Rel-6
Type of modulation	GMSK for GSM/GPRS; 8PSK for EDGE
Antenna Gain	GSM 850: -2.0dBi PCS1900: -0.3dBi
Max. Output Power (Conducted)	GSM850: 33.58dBm PCS1900: 31.13dBm
Max. Output Power (Radiated)	GSM850: 29.39dBm- ERP PCS1900: 29.04dBm- EIRP
3G	
Support Band	WCDMA Band I/WCDMA Band II/WCDMA Band V/ WCDMA Band VIII
Uplink	WCDMA Band II: 1850~1910MHz WCDMA Band V: 824~849MHz

Downlink	WCDMA Band II: 1930~1990MHz WCDMA Band V: 869~894MHz
Release Version	UMTS FDD: Rel-6
Type of modulation	QPSK
Antenna Gain	WCDMA Band II: -0.3dBi WCDMA Band V: -2.0dBi
Max. Output Power (Conducted)	WCDMA Band II: 24.74dBm WCDMA Band V: 24.31dBm
Max. Output Power (Radiated)	WCDMA Band II: 23.39dBm- ERP WCDMA Band V: 20.13dBm- EIRP
Bluetooth	
Bluetooth Frequency	2402~2480MHz
Bluetooth Version	V2.1 + EDR
Type of modulation	FHSS
Data Rate	1Mbps(GFSK), 2Mbps(Pi/4 DQPSK), 3Mbps (8DPSK)
Antenna Gain	-4.0dBi
Wi-Fi	
Hotspots Function	YES
Wi-Fi Frequency	802.11b/g/n(20MHz): 2412 ~ 2462 MHz 802.11n(40MHz): 2422 ~ 2452 MHz
Type of modulation	802.11b: DSSS; 802.11g/n: OFDM
Data Rate	802.11b: 1/2/5.5/11 Mbps
	802.11g: 6/9/12/18/24/36/48/54 Mbps
	802.11n: up to 150 Mbps
Antenna Gain	-4.0dBi
Components	
Headset Model Number #1	HUAWEI/ 125G#+3261# 3.5MM-2
Headset Model Number #2	HUAWEI/ MEMD1532A761A00
Battery #1	Brand Name: HUAWEI M/N: HB5R1 Rated Voltage and Capacitance: 3.7V/1930mAh S/N: AAIC612X04100854
Battery #2	Brand Name: HUAWEI M/N: HB5R1 Rated Voltage and Capacitance: 3.7V/1930mAh S/N: GAGC525Z04102141
Battery #3	Brand Name: HUAWEI

	M/N: HB5R1H Rated Voltage and Capacitance: 3.7V/1930mAh S/N: SASC507AC3500764
Adapter #1	Brand Name: HUAWEI M/N: HW-050100U1W Input: 100-240V~50/60Hz 0.2A MAX Output: 5Vdc, 1A S/N: HKAB51621442
Adapter #2	Brand Name: HUAWEI M/N: HW-050100U1W Input: 100-240V~50/60Hz 0.2A MAX Output: 5Vdc, 1A S/N: TPAB61442664

Note 1: They are only for different marketing requirement.

Note 2: Headset #1 and #2 have the same circuit.

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.

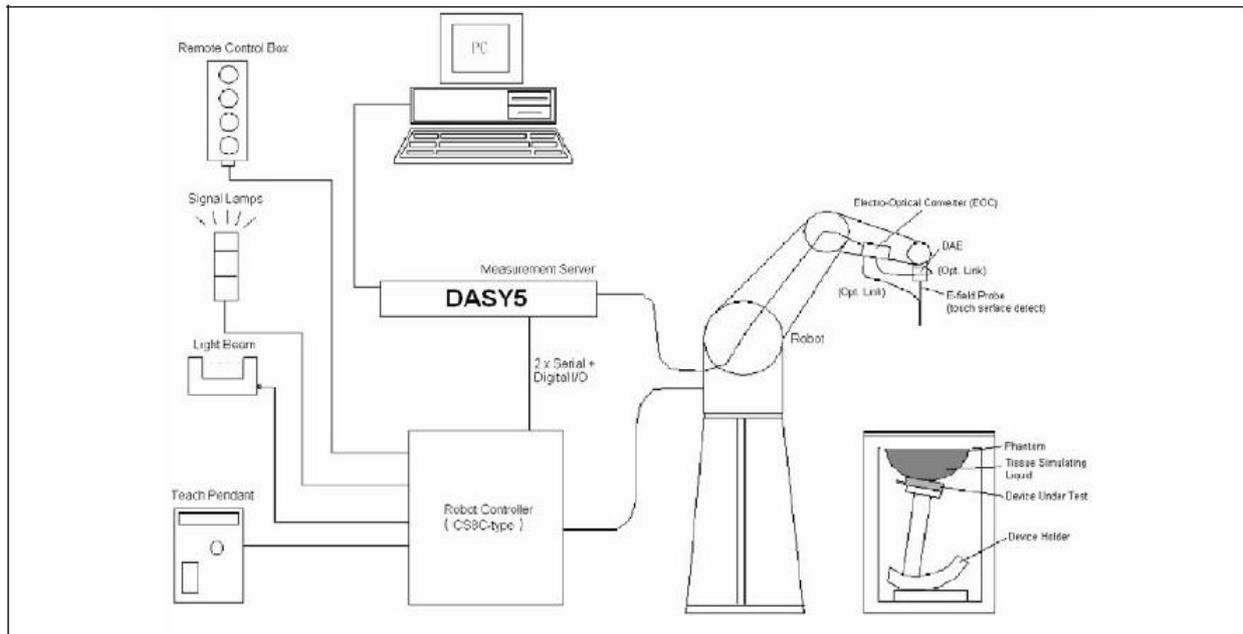
1.3. Test Environment

Ambient conditions in the laboratory:

Items	Required	Actual
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 10mm² 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/m³ 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, DASY5 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. DASYS 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

Model	EX3DV4	
Construction	Symmetrical design with triangular core Built-in shielding against static charges PEEK enclosure material (resistant to organic solvents, e.g., DGBE)	
Frequency	10 MHz to 6 GHz Linearity: ± 0.2 dB (30 MHz to 6 GHz)	
Directivity	± 0.3 dB in HSL (rotation around probe axis) ± 0.5 dB in tissue material (rotation normal to probe axis)	
Dynamic Range	10 µW/g to 100 mW/g Linearity: ± 0.2 dB (noise: typically < 1 µW/g)	
Dimensions	Overall length: 330 mm (Tip: 20 mm) Tip diameter: 2.5 mm (Body: 12 mm) Typical distance from probe tip to dipole centers: 1 mm	
Application	High precision dosimetric measurements in any exposure scenario (e.g., very strong gradient fields). Only probe which enables compliance testing for frequencies up to 6 GHz with precision of better 30%.	

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	2450MHz Head	2450MHz Body
Water	40.45	52.4	54.90	40.5	46.7	73.2
Salt	1.45	1.40	0.18	0.50	0.00	0.04
Sugar	57.6	45.0	0.00	58.0	0.00	0.00
HEC	0.40	1.00	0.00	0.50	0.00	0.00
Preventol	0.10	0.20	0.00	0.50	0.00	0.00
DGBE	0.00	0.00	44.92	0.00	53.3	26.7

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

Head Tissue Simulant Measurement				
Frequency [MHz]	Description	Dielectric Parameters		Tissue Temp. [°C]
		ϵ_r	σ [s/m]	
835 MHz	Reference result ± 5% window	41.50 39.43 to 43.58	0.90 0.86 to 0.95	N/A
	02-07-2012	41.13	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
	03-07-2012	39.89	1.44	21.0
2450MHz	Reference result ± 5% window	39.2 37.24 to 41.16	1.80 1.71 to 1.89	N/A
	04-07-2012	38.81	1.83	21.0

Body Tissue Simulant Measurement				
Frequency [MHz]	Description	Dielectric Parameters		Tissue Temp. [°C]
		ϵ_r	σ [s/m]	
835 MHz	Reference result ± 5% window	55.2 52.44 to 57.96	0.97 0.92 to 1.02	N/A
	02-07-2012	52.96	0.98	21.0
1900 MHz	Reference result ± 5% window	53.3 50.64 to 55.97	1.52 1.44 to 1.60	N/A
	03-07-2012	53.93	1.54	21.0
2450MHz	Reference result ± 5% window	52.7 50.07 to 55.34	1.95 1.85 to 2.05	N/A
	04-07-2012	52.67	1.97	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.

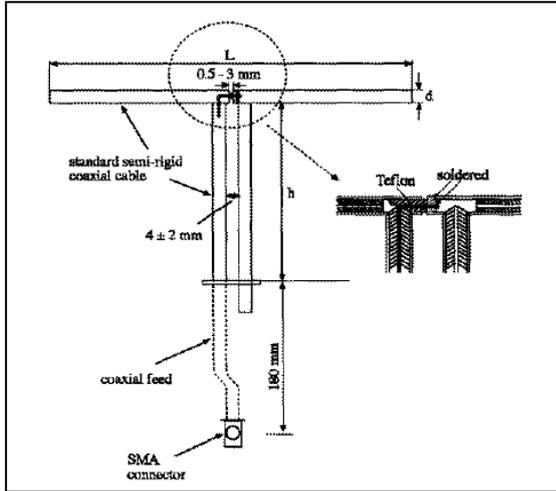
Target Frequency (MHz)	Head		Body	
	ϵ_r	σ (S/m)	ϵ_r	σ (S/m)
150	52.3	0.76	61.9	0.80
300	45.3	0.87	58.2	0.92
450	43.5	0.87	56.7	0.94
835	41.5	0.90	55.2	0.97
900	41.5	0.97	55.0	1.05
915	41.5	0.98	55.0	1.06
1450	40.5	1.20	54.0	1.30
1610	40.3	1.29	53.8	1.40
1800 – 2000	40.0	1.40	53.3	1.52
2450	39.2	1.80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

(ϵ_r = relative permittivity, σ = 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
2450MHz	51.5	30.4	3.6

4.1.2. Validation Result

System Performance Check at 835MHz &1900MHz &2450MHz for Head				
Validation Kit: D835V2-SN 4d120				
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
	02-07-2012	9.04	5.88	21.0
Validation Kit: D1900V2-SN 5d142				
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
	03-07-2012	37.96	19.36	21.0
Validation Dipole: D2450V2, SN: 839				
Frequency [MHz]	Description	SAR [w/kg] 1g	SAR [w/kg] 10g	Tissue Temp. [°C]
2450 MHz	Reference result ± 10% window	52.3 47.07 to 57.53	24.5 22.05 to 26.95	N/A
	04-07-2012	51.6	23.08	21.0
Note: All SAR values are normalized to 1W forward power.				
System Performance Check at 835MHz &1900MHz &2450MHz for Body				
Validation Kit: D835V2-SN 4d120				
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
	02-07-2012	9.72	6.28	21.0
Validation Kit: D1900V2-SN 5d142				
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
	03-07-2012	39.36	20.2	21.0

Validation Dipole: D2450V2, SN: 839

Frequency [MHz]	Description	SAR [w/kg] 1g	SAR [w/kg] 10g	Tissue Temp. [°C]
2450 MHz	Reference result ± 10% window	51.6 46.44 to 56.76	24.2 21.78 to 26.62	N/A
	04-07-2012	48.4	22.24	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,

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

σ : represents the simulated tissue conductivity

ρ : 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^2) 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^3).

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
Dipole Validation Kits	Speag	D2450V2	839	2013.02.23
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	2013.01.12
Wide Bandwidth Sensor	Anritsu	MA2411B	0846014	2013.01.12

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.	(c) 1g	(c) 10g	Std. Unc. (1g)	Std. Unc. (10g)	(vi) V _{eff}
Measurement System								
Probe Calibration	±6.0%	N	1	1	1	±6.0%	±6.0%	∞
Axial Isotropy	±4.7%	R	√3	0.7	0.7	±1.9%	±1.9%	∞
Hemispherical Isotropy	±9.6%	R	√3	0.7	0.7	±3.9%	±3.9%	∞
Boundary Effects	±1.0%	R	√3	1	1	±0.6%	±0.6%	∞
Linearity	±4.7%	R	√3	1	1	±2.7%	±2.7%	∞
System Detection Limits	±1.0%	R	√3	1	1	±0.6%	±0.6%	∞
Readout Electronics	±0.3%	N	1	1	1	±0.3%	±0.3%	∞
Response Time	±0.8%	R	√3	1	1	±0.5%	±0.5%	∞
Integration Time	±2.6%	R	√3	1	1	±1.5%	±1.5%	∞
RF Ambient Noise	±3.0%	R	√3	1	1	±1.7%	±1.7%	∞
RF Ambient Reflections	±3.0%	R	√3	1	1	±1.7%	±1.7%	∞
Probe Positioner	±0.4%	R	√3	1	1	±0.2%	±0.2%	∞
Probe Positioning	±2.9%	R	√3	1	1	±1.7%	±1.7%	∞
Max. SAR Eval.	±1.0%	R	√3	1	1	±0.6%	±0.6%	∞
Test Sample Related								
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	√3	1	1	±2.9%	±2.9%	∞
Phantom and Setup								
Phantom Uncertainty	±4.0%	R	√3	1	1	±2.3%	±2.3%	∞
Liquid Conductivity (target)	±5.0%	R	√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	√3	0.6	0.49	±1.7%	±1.4%	∞
Liquid Permittivity (meas.)	±2.5%	N	1	0.6	0.49	±1.5%	±1.2%	∞
Combined Std. Uncertainty						±11.0%	±10.8%	387
Expanded STD Uncertainty						±22.0%	±21.5%	

8. Conducted Power Measurement

Mode	Frequency (MHz)	Avg. Burst Power (dBm)	Duty Cycle Factor (dB)	Frame Power (dBm)
Maximum Power <SIM 2>				
GSM850	824.2	33.52	-9	24.52
	836.4	33.54	-9	24.54
	848.8	33.58	-9	24.58
GPRS850(1 Slot)	824.2	33.45	-9	24.45
	836.4	33.51	-9	24.51
	848.8	33.52	-9	24.52
GPRS850(2 Slot)	824.2	32.41	-6	26.41
	836.4	32.47	-6	26.47
	848.8	32.52	-6	26.52
GPRS850(3 Slot)	824.2	30.68	-4.25	26.43
	836.4	30.73	-4.25	26.48
	848.8	30.78	-4.25	26.53
GPRS850(4 Slot)	824.2	29.85	-3	26.85
	836.4	29.95	-3	26.95
	848.8	30.01	-3	27.01
EDGE850(1 Slot)	824.2	27.22	-9	18.22
	836.4	27.01	-9	18.01
	848.8	26.85	-9	17.85
EDGE850 (2 Slot)	824.2	25.92	-6	19.92
	836.4	25.74	-6	19.74
	848.8	25.59	-6	19.59
EDGE 850 (3 Slot)	824.2	23.65	-4.25	19.40
	836.4	23.41	-4.25	19.16
	848.8	23.24	-4.25	18.99
EDGE 850 (4 Slot)	824.2	22.50	-3	19.50
	836.4	22.22	-3	19.22
	848.8	22.09	-3	19.09
PCS1900	1850.2	31.13	-9	22.13
	1880.0	31.01	-9	22.01
	1909.8	30.95	-9	21.95
GPRS1900(1 Slot)	1850.2	31.11	-9	22.11
	1880.0	31.00	-9	22.00
	1909.8	30.89	-9	21.89

GPRS1900(2 Slot)	1850.2	30.23	-6	24.23
	1880.0	30.12	-6	24.12
	1909.8	30.07	-6	24.07
GPRS1900(3 Slot)	1850.2	28.42	-4.25	24.17
	1880.0	28.27	-4.25	24.02
	1909.8	28.22	-4.25	23.97
GPRS1900(4 Slot)	1850.2	27.65	-3	24.65
	1880.0	27.53	-3	24.53
	1909.8	27.50	-3	24.50
EDGE 1900(1 Slot)	1850.2	26.99	-9	17.99
	1880.0	26.04	-9	17.04
	1909.8	25.93	-9	16.93
EDGE 1900 (2 Slot)	1850.2	25.46	-6	19.46
	1880.0	25.39	-6	19.39
	1909.8	25.25	-6	19.25
EDGE 1900 (3 Slot)	1850.2	23.33	-4.25	19.08
	1880.0	23.20	-4.25	18.95
	1909.8	23.09	-4.25	18.84
EDGE 1900 (4 Slot)	1850.2	22.26	-3	19.26
	1880.0	22.14	-3	19.14
	1909.8	21.94	-3	18.94
Maximum Power <SIM 1>				
GSM850	836.4	33.49	-9	24.49
PCS1900	1880.0	30.86	-9	21.86

Note 1: All SAR testing was done in SIM 2.

Note 2: SIM1 equal to WCDMA Slot, SIM 2 equal to GSM Slot. WCDMA compatible with GSM. So the mobile phone supports two SIM cards.

Note 3: According to the output value listed above, the EDGE mode was not determined for SAR testing, refer to KDB 941225.

WCDMA/HSDPA/HSUPA

Mode	3GPP Subtest	Band II (1900MHz) Channel						MPR
		Conducted Power (dBm)			EIRP (dBm)			
		9262	9400	9538	9262	9400	9538	
WCDMA R99	1	24.74	24.53	24.32	23.39	21.06	21.90	N/A
Rel5 HSDPA	1	23.80	23.59	23.54	22.51	20.95	21.90	0
	2	23.77	23.45	23.52	---	---	---	0
	3	23.21	23.01	23.01	---	---	---	0.5
	4	23.23	23.04	23.03	---	---	---	0.5
Rel6 HSUPA	1	23.84	23.64	23.37	22.08	21.00	21.58	0.0
	2	21.83	21.69	21.36	---	---	---	2.0
	3	22.79	22.63	22.35	---	---	---	1.0
	4	21.79	21.65	21.36	---	---	---	2.0
	5	23.82	23.68	23.40	---	---	---	0.0

Mode	3GPP Subtest	Band V (850MHz) Channel						MPR
		Conducted Power (dBm)			ERP (dBm)			
		4132	4182	4233	4132	4182	4233	
WCDMA R99	1	24.31	24.10	24.22	18.96	19.25	20.13	N/A
Rel5 HSDPA	1	23.44	23.21	23.29	18.79	19.16	20.03	0
	2	23.46	23.19	23.30	---	---	---	0
	3	22.96	22.79	22.72	---	---	---	0.5
	4	22.95	22.77	22.70	---	---	---	0.5
Rel6 HSUPA	1	23.93	23.21	23.35	18.42	18.53	19.99	0.0
	2	21.95	21.20	21.34	---	---	---	2.0
	3	22.89	22.24	22.31	---	---	---	1.0
	4	21.92	21.23	21.37	---	---	---	2.0
	5	23.92	23.19	23.32	---	---	---	0.0

Note : According to the output value listed above, the HSDPA and HSUPA mode was not determined for SAR testing, refer to KDB 941225.

WLAN output power

Test Mode	Channel No.	Frequency (MHz)	Average Power (dBm)
802.11b	01	2412	16.66
	06	2437	16.70
	11	2462	16.89
802.11g	01	2412	15.00
	06	2437	15.34
	11	2462	15.41
802.11n (20MHz)	01	2412	15.06
	06	2437	15.37
	11	2462	14.85
802.11n (40MHz)	03	2422	12.98
	06	2437	13.22
	09	2452	13.66

Note: According to the KDB 248227. SAR is not required for 802.11g/n channels when the maximum average output power is less than 1/4 dB higher than that measured on the corresponding 802.11b channels.

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 10mm 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 multislot 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. Simultaneous Transmission Configure

Configure mode	Bluetooth	WWAN	WLAN
1	X	X	
2		X	X

Note : Bluetooth Max. peak power is 7.23dBm. Referring to KDB 648474

1, The power is less than Pref.

2, 10.5cm away from WWAN antenna.

3, Bluetooth shares the same antenna with WLAN, they cannot transmit simultaneously.

Therefore, standalone SAR and simultaneous SAR for Bluetooth is not required.

9.1.5. Simultaneous Transmission SAR Analysis

Reference document: KDB 447498 and KDB 648474, KDB 248227.

Head Max SAR value and the sum of the 1-g SAR for WLAN & WWAN.

Max 1-g SAR (W/kg)		Σ 1-g SAR (W/kg)
WLAN	WWAN	
0.174	0.668	0.842

Body SAR value and the sum of the 1-g SAR for WLAN & WWAN.

Max 1-g SAR (W/kg)		Σ 1-g SAR (W/kg)
WLAN	WWAN	
0.199	1.08	1.279

Conclusion:

Simultaneous Transmission
WLAN & WWAN

Require for Simultaneous Transmission SAR with Volume Scans
No (The sum of the 1-g SAR is < 1.6 W/kg)

9.1.6. Hot Spot test requirement

Referring to KDB 941225 D06 v01, the EUT size > 9cm x 5cm, thus, test separation of 10 mm is required. GSM/WCDMA antenna is less than 25 mm away from mobile phone bottom and side, WLAN antenna is less than 25 mm away from mobile phone top and left side, so SAR should be measured these sides.

9.1.7. Test Result

SAR MEASUREMENT							
Ambient Temperature (°C) : 21.5 ±2				Relative Humidity (%): 52			
Liquid Temperature (°C) : 21.0 ±2				Depth of Liquid (cm):>15			
Product: Mobile Phone							
Test Mode: GSM850 <SIM 2>							
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	24.52	--	--	1.6
Left-Cheek	Fixed	189	836.4	24.54	-0.12	0.281	1.6
Left-Cheek	Fixed	251	848.8	24.58	--	--	1.6
Left-Tilted	Fixed	189	836.4	24.54	0.02	0.156	1.6
Right-Cheek	Fixed	128	824.2	24.52	--	--	1.6
Right-Cheek	Fixed	189	836.4	24.54	-0.02	0.253	1.6
Right-Cheek	Fixed	251	848.8	24.58	--	--	1.6
Right-Tilted	Fixed	189	836.4	24.54	0.11	0.169	1.6
Test Mode: GSM850 <SIM 1>							
Left-Cheek	Fixed	189	836.4	24.49	0.01	0.270	1.6
Note 1: 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: Mobile Phone								
Body-worn Accessory SAR Configurations								
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	10	24.52	--	--	1.6
Body-worn	Fixed	189	836.4	10	24.54	0.04	0.654	1.6
Body-worn	Fixed	251	848.8	10	24.58	--	--	1.6
Body-worn (With Headset)	Fixed	189	836.4	10	24.54	0.13	0.459	1.6
Test Mode: GPRS850-2slot								
Body-worn	Fixed	128	824.2	10	26.41	0.01	0.791	1.6
Body-worn	Fixed	189	836.4	10	26.47	-0.05	0.887	1.6
Body-worn	Fixed	251	848.8	10	26.52	0.15	0.951	1.6
Test Mode: GPRS850-3slot								
Body-worn	Fixed	128	824.2	10	26.43	-0.01	0.801	1.6
Body-worn	Fixed	189	836.4	10	26.48	0.16	0.901	1.6
Body-worn	Fixed	251	848.8	10	26.53	-0.04	0.981	1.6
Test Mode: GPRS850-4slot								
Body-worn	Fixed	128	824.2	10	26.85	0.06	0.882	1.6
Body-worn	Fixed	189	836.4	10	26.95	-0.19	1.03	1.6
Body-worn	Fixed	251	848.8	10	27.01	0.10	1.08	1.6
Body-front	Fixed	251	848.8	10	27.01	0.01	0.708	1.6
Body-worn (With Headset)	Fixed	189	836.4	10	26.95	0.01	0.713	1.6
Body-worn (With Battery #2)	Fixed	251	848.8	10	27.01	0.06	1.01	1.6
Body-worn (With Battery #3)	Fixed	251	848.8	10	27.01	0.14	1.07	1.6

Hotspot SAR Configurations								
Test Mode: GPRS850-4slot								
Body-worn	Fixed	251	848.8	10	27.01	0.10	1.08	1.6
Body-bottom	Fixed	251	848.8	10	27.01	0.17	0.081	1.6
Body-right side	Fixed	251	848.8	10	27.01	-0.04	0.739	1.6
Body-left side	Fixed	251	848.8	10	27.01	-0.01	0.740	1.6
Note 1: When the 1-g SAR is ≤ 0.8 W/kg, testing for low and high channel is optional, refer to KDB 941225. Note 2: GSM antenna is less than 25 mm away from mobile phone bottom and side, so that should be tested, 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: Mobile Phone							
Test Mode: PCS1900 <SIM 2>							
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	22.13	--	--	1.6
Left-Cheek	Fixed	661	1880.0	22.01	-0.08	0.211	1.6
Left-Cheek	Fixed	810	1909.8	21.95	--	--	1.6
Left-Tilted	Fixed	661	1880.0	22.01	0.14	0.172	1.6
Right-Cheek	Fixed	512	1850.2	22.13	--	--	1.6
Right-Cheek	Fixed	661	1880.0	22.01	0.08	0.369	1.6
Right-Cheek	Fixed	810	1909.8	21.95	--	--	1.6
Right-Tilted	Fixed	661	1880.0	22.01	-0.05	0.165	1.6
Test Mode: PCS1900 <SIM 1>							
Right-Cheek	Fixed	661	1880.0	21.86	0.16	0.358	1.6
Note 1: When the 1-g SAR is ≤ 0.8 W/kg, testing for low and high channel is optional, refer to KDB 9412225.							

SAR MEASUREMENT								
Ambient Temperature (°C) : 21.5 ±2				Relative Humidity (%): 52				
Liquid Temperature (°C) : 21.0 ±2				Depth of Liquid (cm):>15				
Product: Mobile Phone								
Body-worn Accessory SAR Configurations								
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	10	22.13	--	--	1.6
Body-worn	Fixed	661	1880.0	10	22.01	-0.12	0.407	1.6
Body-worn	Fixed	810	1909.8	10	21.95	--	--	1.6
Body-worn (With Headset)	Fixed	661	1880.0	10	22.01	0.02	0.442	1.6
Test Mode: GPRS1900-2slot								
Body-worn	Fixed	661	1880.0	10	24.12	0.13	0.569	1.6
Test Mode: GPRS1900-3slot								
Body-worn	Fixed	661	1880.0	10	24.02	0.04	0.559	1.6
Test Mode: GPRS1900-4slot								
Body-worn	Fixed	512	1850.2	10	24.65	--	--	1.6
Body-worn	Fixed	661	1880.0	10	24.53	0.19	0.688	1.6
Body-worn	Fixed	810	1909.8	10	24.50	--	--	1.6
Body-worn (With Headset)	Fixed	661	1880.0	10	24.53	-0.18	0.566	1.6
Body-front	Fixed	661	1880.0	10	24.53	-0.03	0.503	1.6
Body-worn ((With Battery #2)	Fixed	661	1880.0	10	24.53	-0.08	0.707	1.6
Body-worn ((With Battery #3)	Fixed	661	1880.0	10	24.53	-0.01	0.729	1.6
Hotspot SAR Configurations								
Test Mode: GPRS1900-4slot								
Body-worn	Fixed	661	1880.0	10	24.53	0.19	0.688	1.6
Body-bottom	Fixed	661	1880.0	10	24.53	-0.19	0.316	1.6

Body-right side	Fixed	661	1880.0	10	24.53	-0.02	0.337	1.6
Body-left side	Fixed	661	1880.0	10	24.53	-0.04	0.139	1.6

Note 1: When the 1-g SAR is ≤ 0.8 W/kg, testing for low and high channel is optional, refer to KDB 941225.
Note 2: GSM antenna is less than 25 mm away from mobile phone bottom and side, so that should be tested, 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: Mobile Phone							
Test Mode: WCDMA Band II							
Test Position Head	Antenna Position	Frequency		Conducted Power (dBm)	Power Drift (<±0.2)	SAR 1g (W/kg)	Limit (W/kg)
		Channel	MHz				
Left-Cheek	Fixed	9262	1852.4	23.75	--	--	1.6
Left-Cheek	Fixed	9400	1880.0	23.58	-0.02	0.294	1.6
Left-Cheek	Fixed	9538	1907.6	23.42	--	--	1.6
Left-Tilt	Fixed	9400	1880.0	23.58	0.01	0.287	1.6
Right-Cheek	Fixed	9262	1852.4	23.75	--	--	1.6
Right-Cheek	Fixed	9400	1880.0	23.58	0.06	0.668	1.6
Right-Cheek	Fixed	9538	1907.6	23.42	--	--	1.6
Right-Tilt	Fixed	9400	1880.0	23.58	0.14	0.269	1.6

Note 1: 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: Mobile Phone								
Body-worn Accessory SAR Configurations								
Test Mode: WCDMA Band II								
Test Position Body	Antenna Position	Frequency		Separation Distance (mm)	Conducted Power (dBm)	Power Drift (<±0.2)	SAR 1g (W/kg)	Limit (W/kg)
		Channel	MHz					
Body-worn	Fixed	9262	1852.4	10	23.75	--	--	1.6
Body-worn	Fixed	9400	1880.0	10	23.58	-0.14	0.703	1.6
Body-worn	Fixed	9538	1907.6	10	23.42	--	--	1.6
Body-worn (With Headset)	Fixed	9262	1852.4	10	23.75	0.05	1.06	1.6
Body-worn (With Headset)	Fixed	9400	1880.0	10	23.58	-0.12	0.973	1.6
Body-worn (With Headset)	Fixed	9538	1907.6	10	23.42	0.02	0.830	1.6
Body-front (With Headset)	Fixed	9400	1880.0	10	23.58	-0.06	0.965	1.6
Body-worn (With Headset , With Battery #2)	Fixed	9262	1852.4	10	23.75	0.06	0.862	1.6
Body-worn (With Headset , With Battery #3)	Fixed	9262	1852.4	10	23.75	0.15	0.983	1.6
Hotspot SAR Configurations								
Test Mode: WCDMA Band II								
Body-worn	Fixed	9400	1880.0	10	23.58	-0.14	0.703	1.6
Body-bottom	Fixed	9400	1880.0	10	23.58	0.04	0.388	1.6
Body-right side	Fixed	9400	1880.0	10	23.58	0.07	0.429	1.6
Body-left side	Fixed	9400	1880.0	10	23.58	0.09	0.180	1.6
Note 1: when the 1-g SAR is ≤ 0.8 W/kg, testing for low and high channel is optional, refer to KDB 941225.								
Note 2: WCDMA antenna is less than 25 mm away from mobile phone bottom and side, so that should be tested, 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: Mobile Phone							
Test Mode: WCDMA Band V							
Test Position Head	Antenna Position	Frequency		Conducted Power (dBm)	Power Drift (<±0.2)	SAR 1g (W/kg)	Limit (W/kg)
		Channel	MHz				
Left-Cheek	Fixed	4132	826.4	23.78	--	--	1.6
Left-Cheek	Fixed	4182	836.4	23.61	0.09	0.241	1.6
Left-Cheek	Fixed	4233	846.6	23.62	--	--	1.6
Left-Tilt	Fixed	4182	836.4	23.61	-0.17	0.149	1.6
Right-Cheek	Fixed	4132	826.4	23.78	--	--	1.6
Right-Cheek	Fixed	4182	836.4	23.61	0.03	0.228	1.6
Right-Cheek	Fixed	4233	846.6	23.62	--	--	1.6
Right-Tilt	Fixed	4182	836.4	23.61	0.01	0.151	1.6
Note 1: 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: Mobile Phone								
Body-worn Accessory SAR Configurations								
Test Mode: WCDMA Band V								
Test Position Body	Antenna Position	Frequency		Separation Distance (mm)	Conducted Power (dBm)	Power Drift (<±0.2)	SAR 1g (W/kg)	Limit (W/kg)
		Channel	MHz					
Body-worn	Fixed	4132	826.4	10	23.78	--	--	1.6
Body-worn	Fixed	4182	836.4	10	23.61	-0.01	0.586	1.6
Body-worn	Fixed	4233	846.6	10	23.62	--	--	1.6
Body-worn (With Headset)	Fixed	4182	836.4	10	23.61	0.07	0.386	1.6
Body-front	Fixed	4182	836.4	10	23.61	-0.02	0.370	1.6
Body-worn (With Battery #2)	Fixed	4182	836.4	10	23.61	0.04	0.577	1.6
Body-worn (With Battery #3)	Fixed	4182	836.4	10	23.61	-0.06	0.597	1.6
Hotspot SAR Configurations								
Test Mode: WCDMA Band V								
Body-worn	Fixed	4182	836.4	10	23.61	-0.01	0.586	1.6
Body-bottom	Fixed	4182	836.4	10	23.61	0.16	0.039	1.6
Body-right side	Fixed	4182	836.4	10	23.61	-0.03	0.403	1.6
Body-left side	Fixed	4182	836.4	10	23.61	-0.04	0.363	1.6
<p>Note 1: When the 1-g SAR is ≤ 0.8 W/kg, testing for low and high channel is optional, refer to KDB 9412225.</p> <p>Note 2: WCDMA antenna is less than 25 mm away from mobile phone bottom and side, so that should be tested, refer to KDB 941225.</p>								

SAR MEASUREMENT							
Ambient Temperature (°C): 21.5 ±2				Relative Humidity (%): 52			
Liquid Temperature (°C): 21.0 ±2				Depth of Liquid (cm):>15			
Product: Mobile Phone							
Test Mode: 802.11b							
Test Position Head	Antenna Position	Frequency		Average Power (dBm)	Power Drift (<±0.2)	SAR 1g (W/kg)	Limit (W/kg)
		Channel	MHz				
Left-Cheek	Fixed	1	2412	16.66	--	--	1.6
Left-Cheek	Fixed	6	2437	16.70	--	--	1.6
Left-Cheek	Fixed	11	2462	16.89	-0.17	0.106	1.6
Left-Tilt	Fixed	11	2462	16.89	-0.16	0.064	1.6
Right-Cheek	Fixed	1	2412	16.89	--	--	1.6
Right-Cheek	Fixed	6	2437	16.89	--	--	1.6
Right-Cheek	Fixed	11	2462	16.89	0.09	0.174	1.6
Right-Tilt	Fixed	11	2462	16.89	0.15	0.106	1.6

Note: When the SAR procedures require multiple channels to be tested and the 1-g SAR for the highest output channel is less than 0.8 W/kg, where the transmission band corresponding to all channels is ≤ 100 MHz, testing for the other channels is not required, refer to KDB 447498.

SAR MEASUREMENT									
Ambient Temperature (°C): 21.5 ±2					Relative Humidity (%): 52				
Liquid Temperature (°C): 21.0 ±2					Depth of Liquid (cm):>15				
Product: Mobile Phone									
Body-worn Accessory SAR Configurations									
Test Mode: 802.11b									
Test Position Body	Antenna Position	Frequency		Separation Distance (mm)	Average Power (dBm)	Power Drift (<±0.2)	SAR 1g (W/kg)	Limit (W/kg)	
		Channel	MHz						
Body-worn	Fixed	1	2412	10	16.66	--	--	1.6	
Body-worn	Fixed	6	2437	10	16.70	--	--	1.6	
Body-worn	Fixed	11	2462	10	16.89	0.16	0.174	1.6	
Body-worn (With Headset)	Fixed	11	2462	10	16.89	0.11	0.199	1.6	
Body-front (With Headset)	Fixed	11	2462	10	16.89	-0.14	0.026	1.6	
Body-worn (With Headset , With Battery #2)	Fixed	11	2462	10	16.89	0.13	0.175	1.6	
Body-worn (With Headset , With Battery #3)	Fixed	11	2462	10	16.89	0.17	0.192	1.6	
Hotspot SAR Configurations									
Test Mode: 802.11b									
Body-worn	Fixed	11	2462	10	16.89	0.16	0.174	1.6	
Body-top	Fixed	11	2462	10	16.89	-0.01	0.041	1.6	
Body-left side	Fixed	11	2462	10	16.89	-0.17	0.083	1.6	
<p>Note 1: When the SAR procedures require multiple channels to be tested and the 1-g SAR for the highest output channel is less than 0.8 W/kg, where the transmission band corresponding to all channels is ≤ 100 MHz, testing for the other channels is not required, refer to KDB 447498.</p> <p>Note 2: WLAN antenna is less than 25 mm away from mobile phone top and left side, so that should be tested, refer to KDB 941225.</p>									

Appendix A. SAR System Validation Data

Date/Time: 02-07-2012

Test Laboratory: QuieTek Lab

System Check Head 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: $f = 835 \text{ MHz}$; $\sigma = 0.88 \text{ mho/m}$; $\epsilon_r = 41.13$; $\rho = 1000 \text{ kg/m}^3$;

Phantom section: Flat Section ; Input Power=250mW

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

DASY5 Configuration:

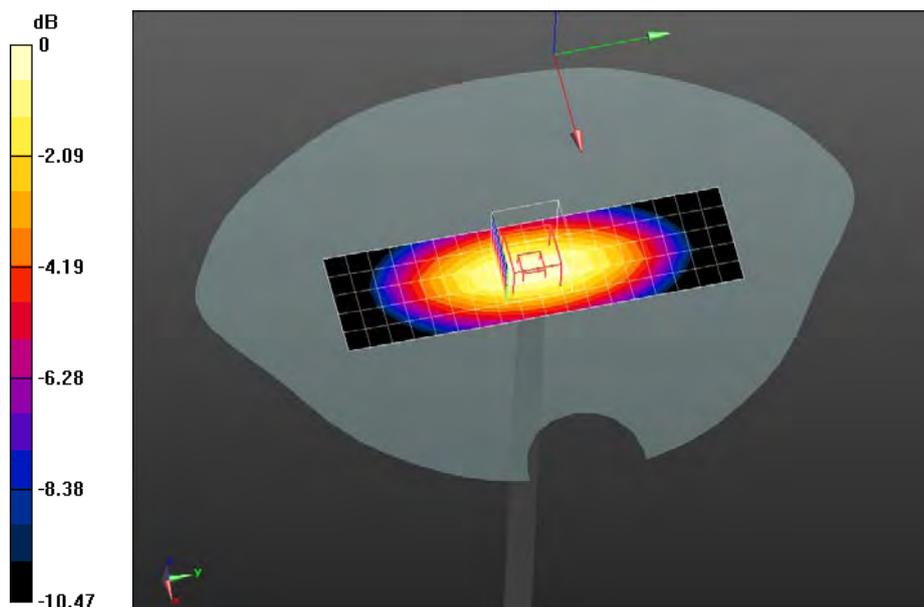
- Probe: EX3DV4 - SN3710; ConvF(9.18, 9.18, 9.18); Calibrated: 12/03/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 23/01/2012
- Phantom: SAM2; Type: SAM; Serial: TP1562
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

Configuration/System Check Head 835MHz/Area Scan (6x19x1): Measurement grid: dx=10mm, dy=10mm, Maximum value of SAR (measured) = 2.28 mW/g

Configuration/System Check Head 835MHz/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm, Reference Value = 52.652 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 3.376 mW/g

SAR(1 g) = 2.26 mW/g; SAR(10 g) = 1.47 mW/g Maximum value of SAR (measured) = 2.43 mW/g



0 dB = 2.43 mW/g = 7.71 dB mW/g

Date/Time: 02-07-2012

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: $f = 835 \text{ MHz}$; $\sigma = 0.98 \text{ mho/m}$; $\epsilon_r = 52.96$; $\rho = 1000 \text{ kg/m}^3$;

Phantom section: Flat Section ; Input Power=250mW

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

DASY5 Configuration:

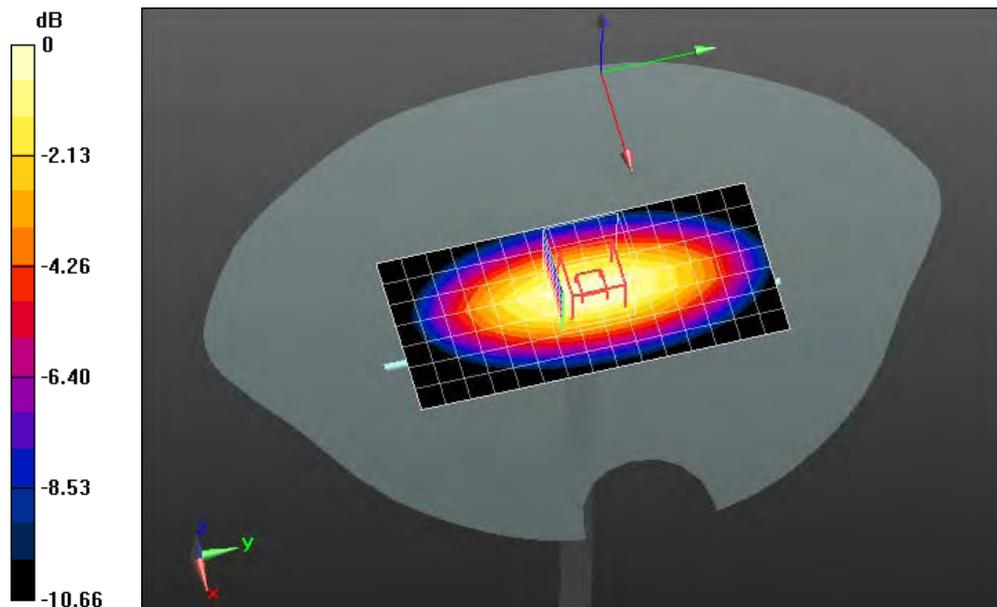
- Probe: EX3DV4 - SN3710; ConvF(9.13, 9.13, 9.13); Calibrated: 12/03/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 23/01/2012
- Phantom: SAM2; Type: SAM; Serial: TP1562
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

Configuration/System Check Body 835MHz/Area Scan (8x16x1): Measurement grid: dx=10mm, dy=10mm, Maximum value of SAR (measured) = 2.54 mW/g

Configuration/System Check Body 835MHz/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm, Reference Value = 51.465 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 3.688 mW/g

SAR(1 g) = 2.43 mW/g; SAR(10 g) = 1.57 mW/g Maximum value of SAR (measured) = 2.62 mW/g



0 dB = 2.62 mW/g = 8.37 dB mW/g

Date/Time: 03-07-2012

Test Laboratory: QuieTek Lab

System Check Head 1900MHz

DUT: Dipole 1900 MHz D1900V2; Type: D1900V2

Communication System: CW; Communication System Band: D1900 (1900.0 MHz); Duty Cycle: 1:1;
 Frequency: 1900 MHz; Medium parameters used: $f = 1900$ MHz; $\sigma = 1.44$ mho/m; $\epsilon_r = 39.89$; $\rho = 1000$ kg/m³; Phantom section: Flat Section ; Input Power=250mW

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

DASY5 Configuration:

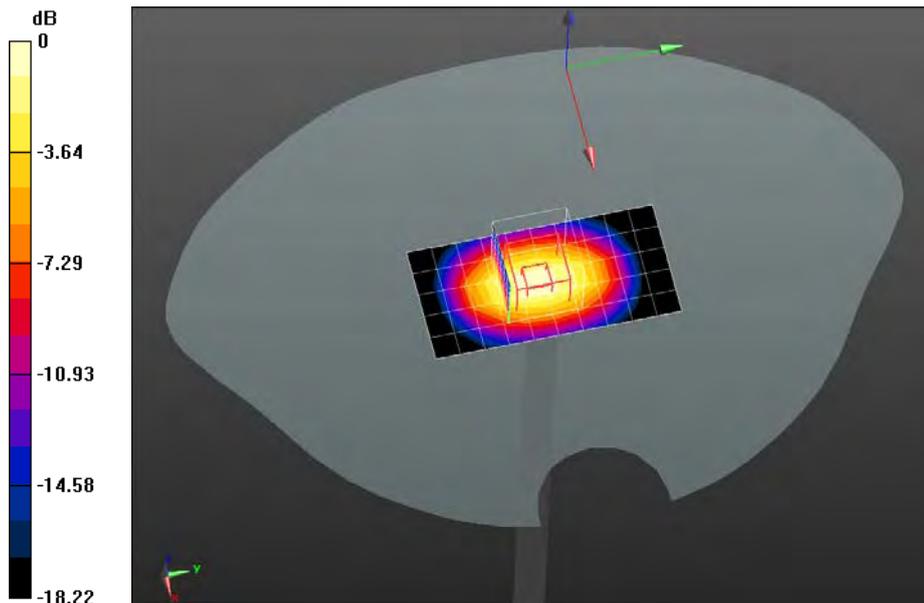
- Probe: EX3DV4 - SN3710; ConvF(8.16, 8.16, 8.16); Calibrated: 12/03/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 23/01/2012
- Phantom: SAM1; Type: SAM; Serial: TP1561
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

Configuration/System Check Head 1900MHz/Area Scan (6x11x1): Measurement grid: dx=10mm, dy=10mm, Maximum value of SAR (measured) = 9.11 mW/g

Configuration/System Check Head 1900MHz/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm, Reference Value = 85.563 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 18.168 mW/g

SAR(1 g) = 9.49 mW/g; SAR(10 g) = 4.84 mW/g Maximum value of SAR (measured) = 10.7 mW/g



0 dB = 10.7 mW/g = 20.59 dB mW/g

Date/Time: 03-07-2012

Test Laboratory: QuieTek Lab

System Check Body 1900MHz

DUT: Dipole 1900 MHz D1900V2; Type: D1900V2

Communication System: CW; Communication System Band: D1900 (1900.0 MHz); Duty Cycle: 1:1;
 Frequency: 1900 MHz; Medium parameters used: $f = 1900$ MHz; $\sigma = 1.54$ mho/m; $\epsilon_r = 53.93$; $\rho = 1000$ kg/m³; Phantom section: Flat Section ; Input Power=250mW

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

DASY5 Configuration:

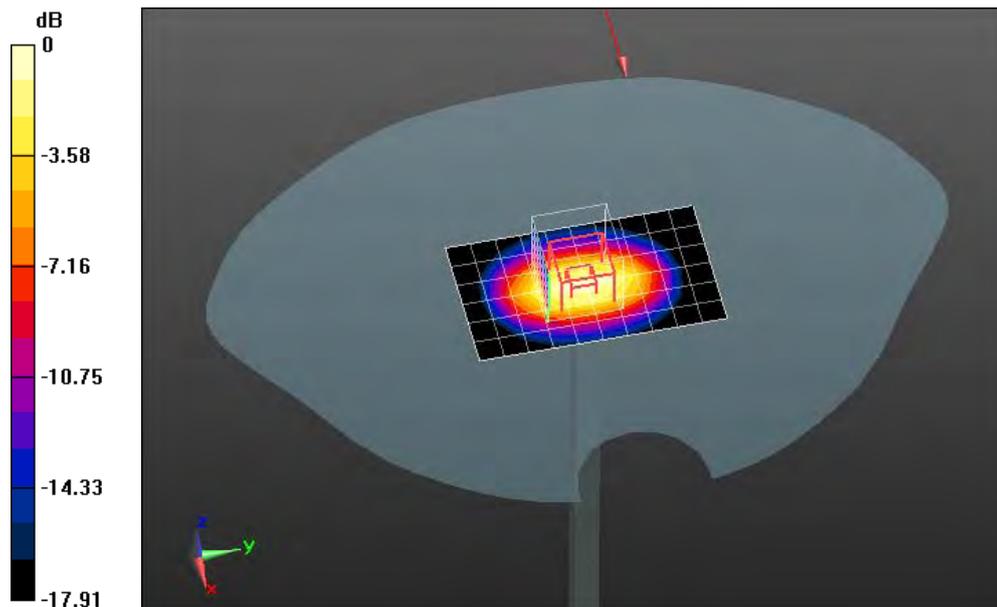
- Probe: EX3DV4 - SN3710; ConvF(7.43, 7.43, 7.43); Calibrated: 12/03/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 23/01/2012
- Phantom: SAM2; Type: SAM; Serial: TP1562
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

Configuration/System Check Body 1900MHz/Area Scan (7x11x1): Measurement grid: dx=10mm, dy=10mm, Maximum value of SAR (measured) = 11.0 mW/g

Configuration/System Check Body 1900MHz/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm, Reference Value = 84.651 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 18.372 mW/g

SAR(1 g) = 9.84 mW/g; SAR(10 g) = 5.05 mW/g Maximum value of SAR (measured) = 11.1 mW/g



0 dB = 11.1 mW/g = 20.91 dB mW/g

Date/Time: 04-07-2012

Test Laboratory: QuieTek Lab

System Check Head 2450MHz

DUT: Dipole 2450 MHz D2450V2; Type: D2450V2

Communication System: CW; Communication System Band: D2450 (2450.0 MHz); Duty Cycle: 1:1;
 Frequency: 2450 MHz; Medium parameters used: $f = 2450$ MHz; $\sigma = 1.83$ mho/m; $\epsilon_r = 38.81$; $\rho = 1000$ kg/m³; Phantom section: Flat Section ; Input Power=250mW

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

DASY5 Configuration:

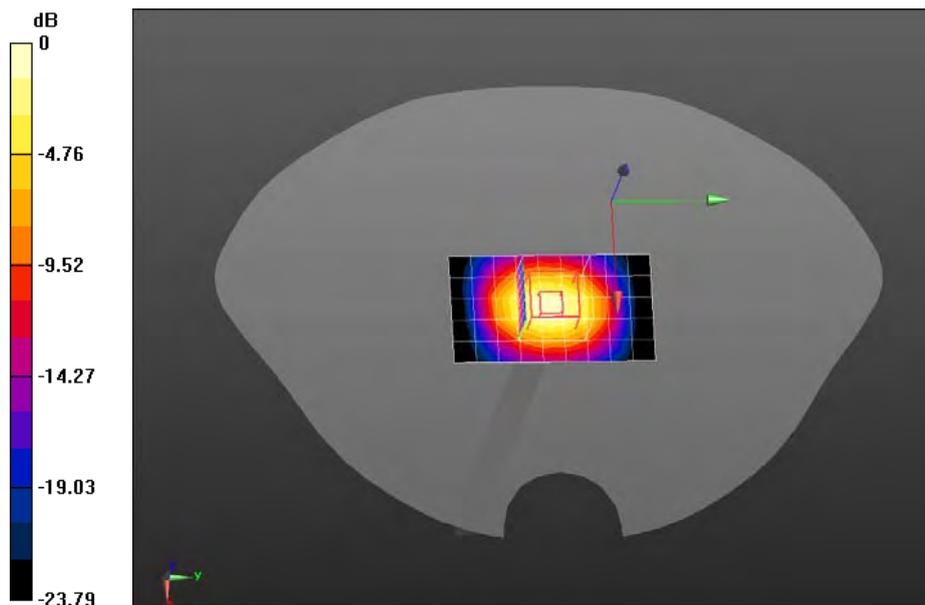
- Probe: EX3DV4 - SN3710; ConvF(7.25, 7.25, 7.25); Calibrated: 12/03/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 23/01/2012
- Phantom: SAM2; Type: SAM; Serial: TP1562
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

Configuration/System Check Head 2450MHz/Area Scan (6x10x1): Measurement grid: dx=10mm, dy=10mm, Maximum value of SAR (measured) = 12.3 mW/g

Configuration/System Check Head 2450MHz/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm, Reference Value = 89.373 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 28.504 mW/g

SAR(1 g) = 12.9 mW/g; SAR(10 g) = 5.77 mW/g Maximum value of SAR (measured) = 14.7 mW/g



0 dB = 14.7 mW/g = 23.35 dB mW/g

Date/Time: 04-07-2012

Test Laboratory: QuieTek Lab

System Check Body 2450MHz

DUT: Dipole 2450 MHz D2450V2; Type: D2450V2

Communication System: CW; Communication System Band: D2450 (2450.0 MHz); Duty Cycle: 1:1;
 Frequency: 2450 MHz; Medium parameters used: $f = 2450$ MHz; $\sigma = 1.97$ mho/m; $\epsilon_r = 52.67$; $\rho = 1000$ kg/m³; Phantom section: Flat Section ; Input Power=250mW

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

DASY5 Configuration:

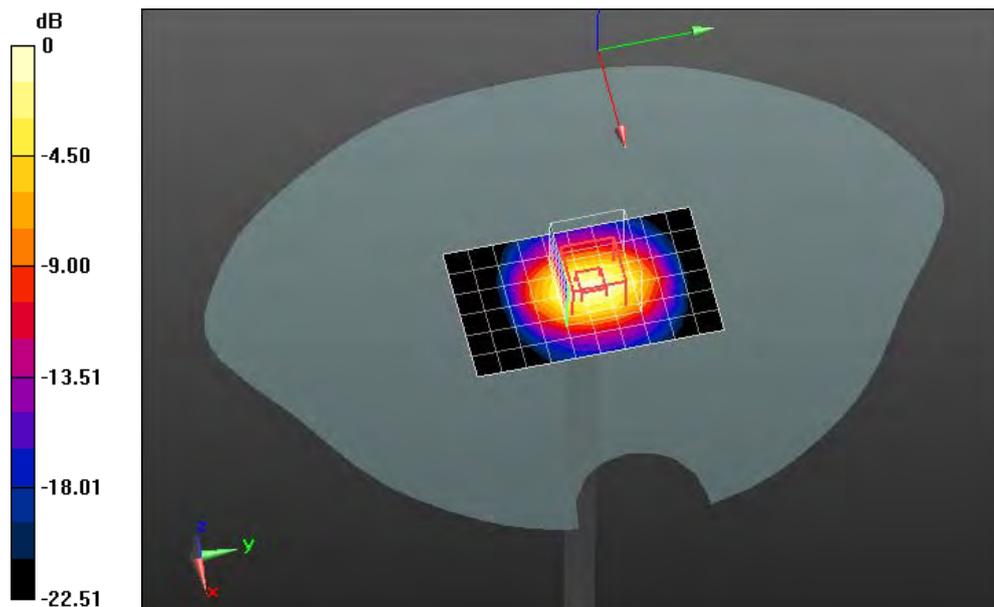
- Probe: EX3DV4 - SN3710; ConvF(6.98, 6.98, 6.98); Calibrated: 12/03/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 23/01/2012
- Phantom: SAM1; Type: SAM; Serial: TP1561
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

Configuration/System Check Body 2450MHz/Area Scan (7x11x1): Measurement grid: dx=10mm, dy=10mm, Maximum value of SAR (measured) = 13.3 mW/g

Configuration/System Check Body 2450MHz/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm, Reference Value = 81.585 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 25.096 mW/g

SAR(1 g) = 12.1 mW/g; SAR(10 g) = 5.56 mW/g Maximum value of SAR (measured) = 13.9 mW/g



0 dB = 13.9 mW/g = 22.86 dB mW/g

Appendix B. SAR measurement Data

Date/Time: 02-07-2012

Test Laboratory: QuieTek Lab

GSM850 Mid Touch-Left

DUT: Mobile Phone ; Type: HUAWEI U8832D-5

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; $\epsilon_r = 41.12$; $\rho = 1000$ kg/m³; 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: SAM2; Type: SAM; Serial: TP1562
- 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

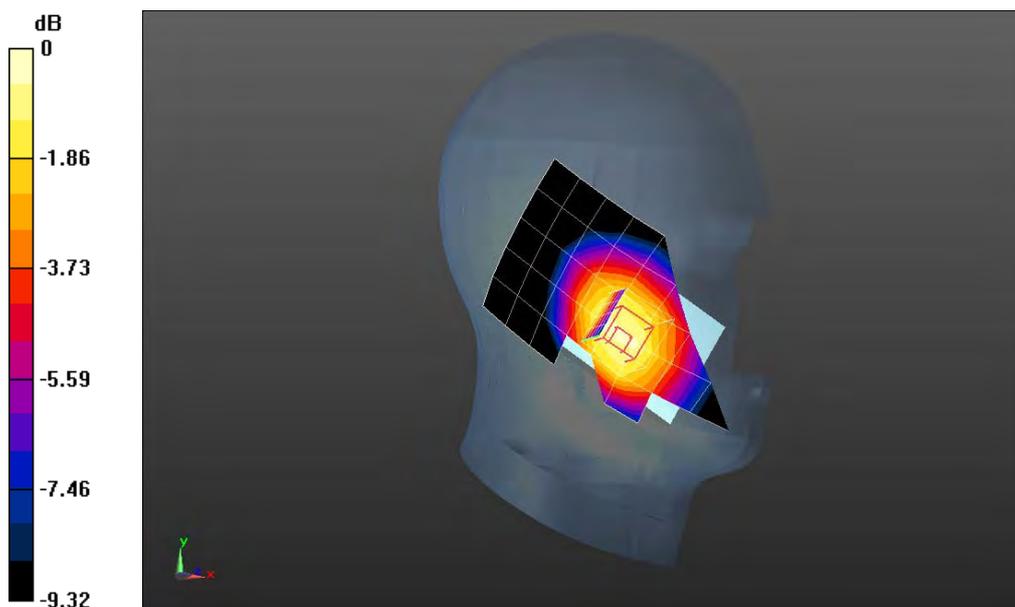
Maximum value of SAR (measured) = 0.274 mW/g

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

dy=8mm, dz=5mm, Reference Value = 4.798 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.356 mW/g

SAR(1 g) = 0.281 mW/g; SAR(10 g) = 0.211 mW/g Maximum value of SAR (measured) = 0.293 mW/g



0 dB = 0.293 mW/g = -10.66 dB mW/g

Date/Time: 02-07-2012

Test Laboratory: QuieTek Lab

GSM850 Mid Tilt-Left

DUT: Mobile Phone ; Type: HUAWEI U8832D-5

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; $\epsilon_r = 41.12$; $\rho = 1000$ kg/m³; 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: SAM2; Type: SAM; Serial: TP1562
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

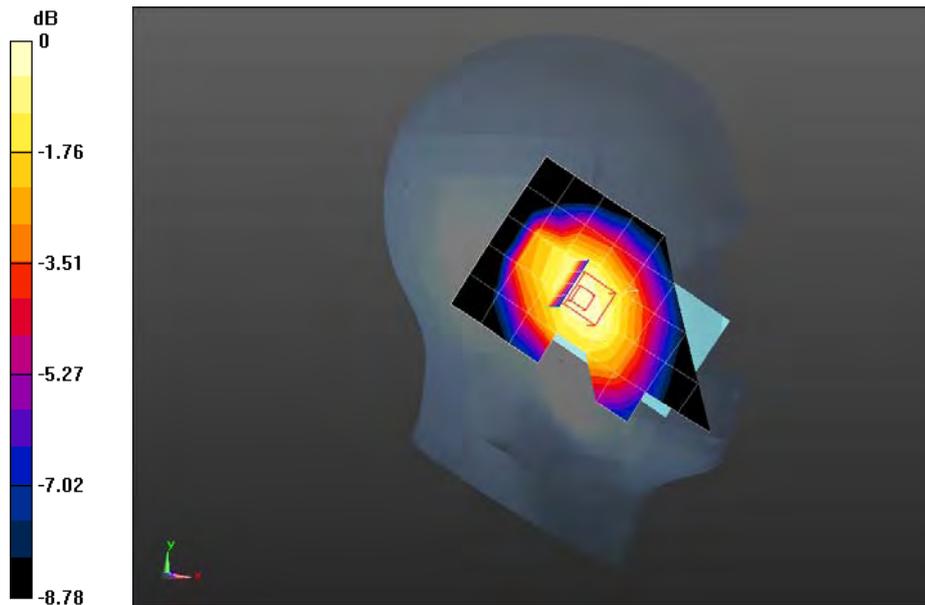
Configuration/GSM850 Mid Tilt-Left/Area Scan (6x9x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (measured) = 0.162 mW/g

Configuration/GSM850 Mid Tilt-Left/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm, Reference Value = 10.458 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.191 mW/g

SAR(1 g) = 0.156 mW/g; SAR(10 g) = 0.121 mW/g Maximum value of SAR (measured) = 0.162 mW/g



0 dB = 0.162 mW/g = -15.81 dB mW/g

Date/Time: 02-07-2012

Test Laboratory: QuieTek Lab

GSM850 Mid Touch-Right

DUT: Mobile Phone ; Type: HUAWEI U8832D-5

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; $\epsilon_r = 41.12$; $\rho = 1000$ kg/m³; 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: SAM2; Type: SAM; Serial: TP1562
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

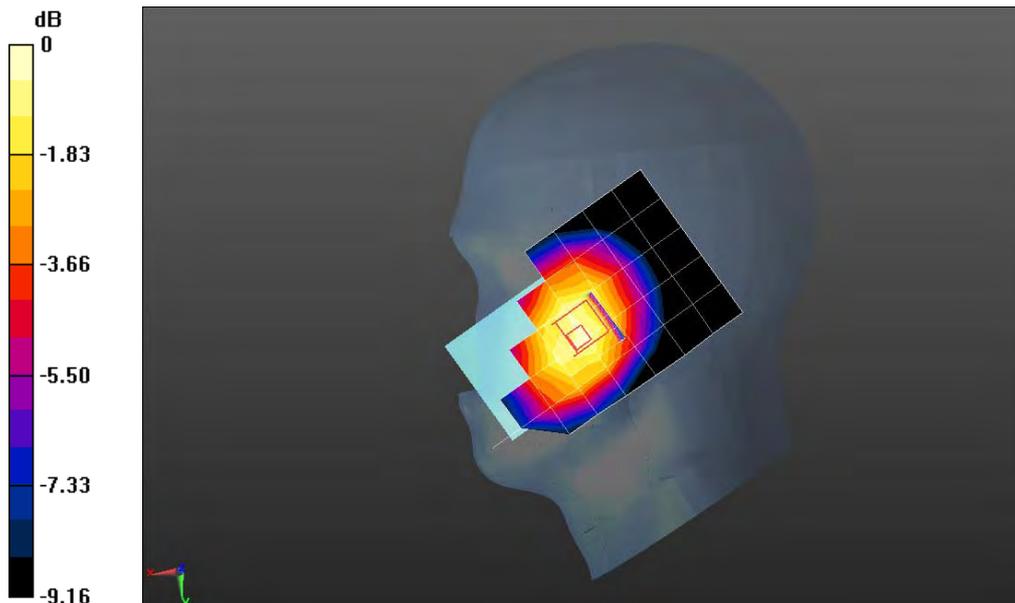
Configuration/GSM850 Mid Touch-Right/Area Scan (6x9x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (measured) = 0.258 mW/g

Configuration/GSM850 Mid Touch-Right/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm, Reference Value = 5.301 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.323 mW/g

SAR(1 g) = 0.253 mW/g; SAR(10 g) = 0.190 mW/g Maximum value of SAR (measured) = 0.268 mW/g



0 dB = 0.268 mW/g = -11.44 dB mW/g

Date/Time: 02-07-2012

Test Laboratory: QuieTek Lab

GSM850 Mid Tilt-Right

DUT: Mobile Phone ; Type: HUAWEI U8832D-5

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; $\epsilon_r = 41.12$; $\rho = 1000$ kg/m³; 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: SAM2; Type: SAM; Serial: TP1562
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

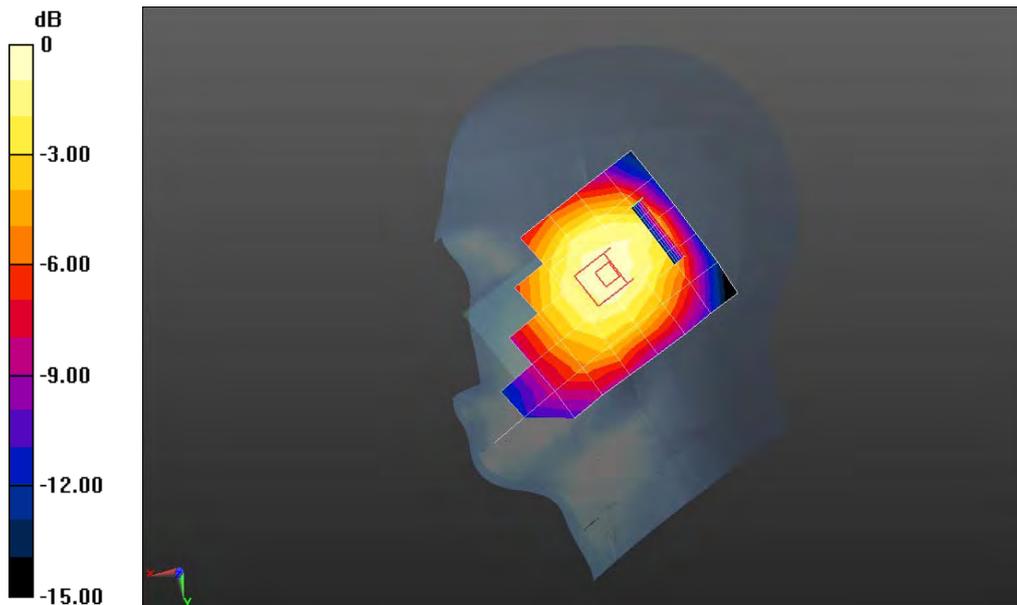
Configuration/GSM850 Mid Tilt-Right/Area Scan (6x9x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (measured) = 0.171 mW/g

Configuration/GSM850 Mid Tilt-Right/Zoom Scan (6x8x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm, Reference Value = 11.346 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.208 mW/g

SAR(1 g) = 0.169 mW/g; SAR(10 g) = 0.129 mW/g Maximum value of SAR (measured) = 0.177 mW/g



0 dB = 0.177 mW/g = -15.04 dB mW/g

Date/Time: 02-07-2012

Test Laboratory: QuieTek Lab

GSM850 Mid Touch-Left (SIM 1)

DUT: Mobile Phone ; Type: HUAWEI U8832D-5

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; $\epsilon_r = 41.12$; $\rho = 1000$ kg/m³; 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: SAM2; Type: SAM; Serial: TP1562
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

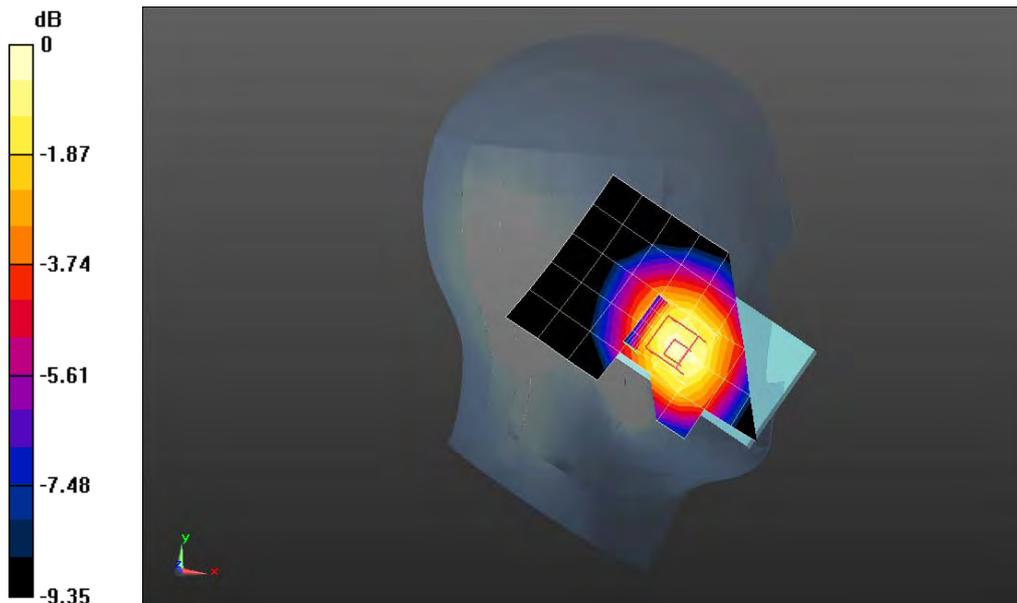
Configuration/GSM850 Mid Touch-Left/Area Scan (6x9x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (measured) = 0.269 mW/g

Configuration/GSM850 Mid Touch-Left/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm, Reference Value = 5.107 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.332 mW/g

SAR(1 g) = 0.270 mW/g; SAR(10 g) = 0.205 mW/g Maximum value of SAR (measured) = 0.281 mW/g



0 dB = 0.281 mW/g = -11.03 dB mW/g

Date/Time: 02-07-2012

Test Laboratory: QuieTek Lab

GSM 850 Mid Body-Back

DUT: Mobile Phone ; Type: HUAWEI U8832D-5

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

Frequency: 836.4 MHz; Medium parameters used: $f = 836.4$ MHz; $\sigma = 0.98$ mho/m; $\epsilon_r = 52.95$; $\rho = 1000$ kg/m³; 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: SAM2; Type: SAM; Serial: TP1562
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

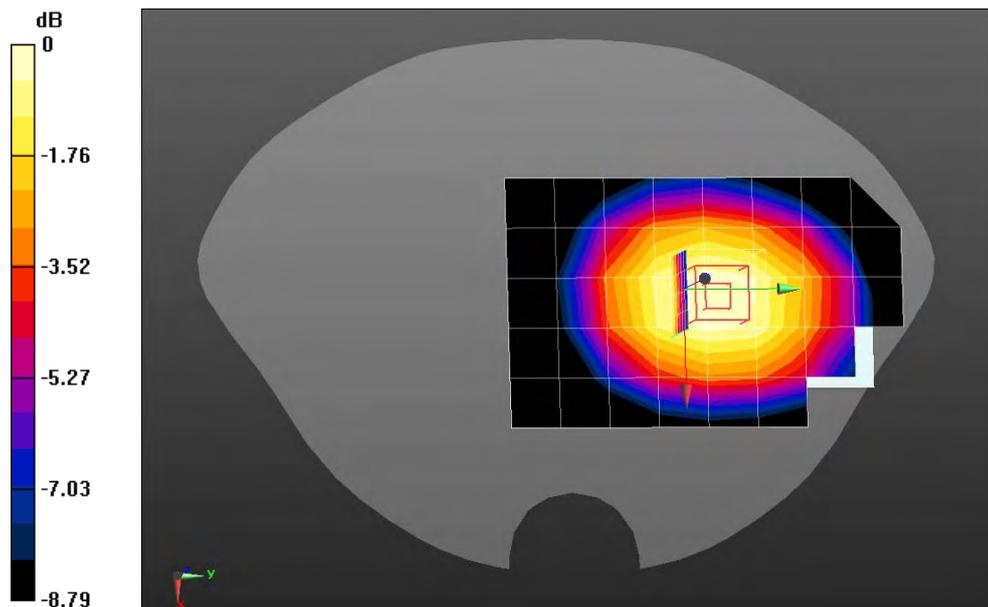
Configuration/GSM 850 Mid Body-Back/Area Scan (6x9x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (measured) = 0.659 mW/g

Configuration/GSM 850 Mid Body-Back/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm, Reference Value = 12.363 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.830 mW/g

SAR(1 g) = 0.654 mW/g; SAR(10 g) = 0.492 mW/g Maximum value of SAR (measured) = 0.687 mW/g



0 dB = 0.687 mW/g = -3.26 dB mW/g

Date/Time: 02-07-2012

Test Laboratory: QuieTek Lab

GSM 850 Mid Body-Back (with headset)

DUT: Mobile Phone ; Type: HUAWEI U8832D-5

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

Frequency: 836.4 MHz; Medium parameters used: $f = 836.4$ MHz; $\sigma = 0.98$ mho/m; $\epsilon_r = 52.95$; $\rho = 1000$ kg/m³; 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: SAM2; Type: SAM; Serial: TP1562
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

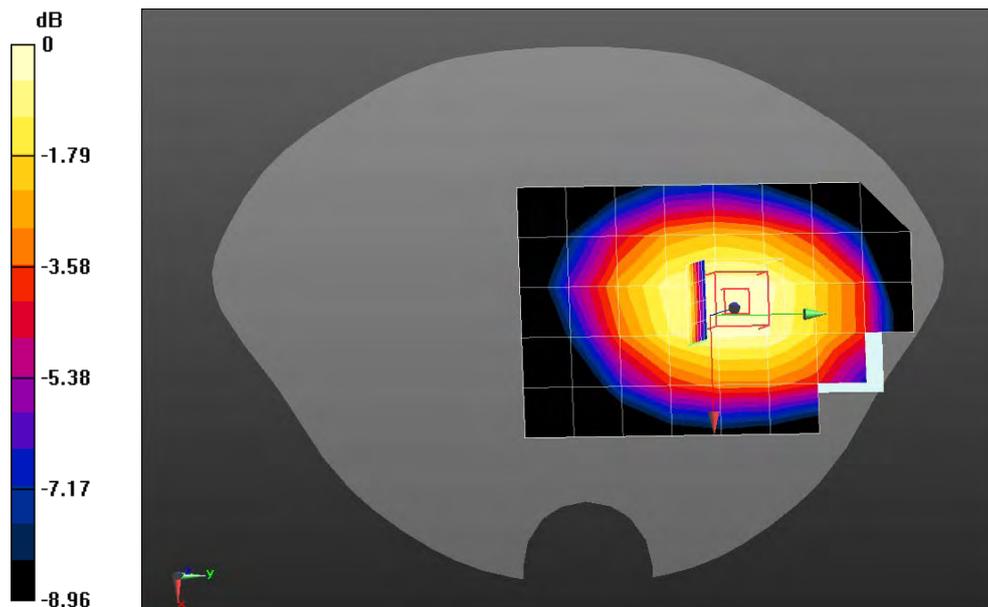
Configuration/GSM 850 Mid Body-Back/Area Scan (6x9x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (measured) = 0.458 mW/g

Configuration/GSM 850 Mid Body-Back/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm, Reference Value = 11.587 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.587 mW/g

SAR(1 g) = 0.459 mW/g; SAR(10 g) = 0.346 mW/g Maximum value of SAR (measured) = 0.480 mW/g



0 dB = 0.480 mW/g = -6.38 dB mW/g

Date/Time: 02-07-2012

Test Laboratory: QuieTek Lab

GPRS 850 Low Body-Back(2up)

DUT: Mobile Phone ; Type: HUAWEI U8832D-5

Communication System: GPRS/EGPRS-2 Slot; Communication System Band: GSM850; Duty Cycle: 1:4.2 ;
 Frequency: 824.2 MHz; Medium parameters used: $f = 824.2$ MHz; $\sigma = 0.97$ mho/m; $\epsilon_r = 53.07$; $\rho = 1000$ kg/m³ ; 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: SAM2; Type: SAM; Serial: TP1562
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

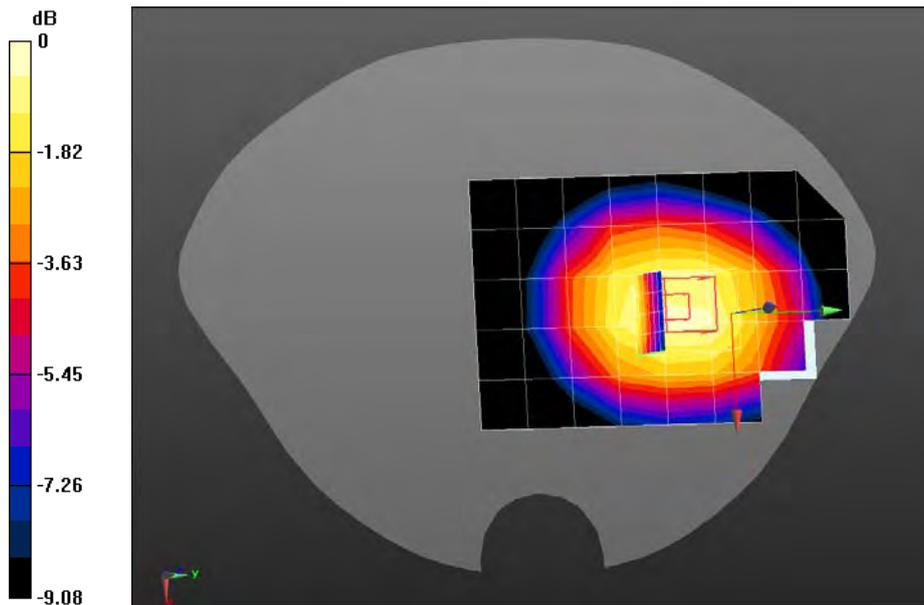
Configuration/GPRS 850 Low Body-Back/Area Scan (6x9x1): Measurement grid: dx=20mm, dy=20mm

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

Configuration/GPRS 850 Low Body-Back/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm, Reference Value = 13.006 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.001 mW/g

SAR(1 g) = 0.791 mW/g; SAR(10 g) = 0.590 mW/g Maximum value of SAR (measured) = 0.847 mW/g



0 dB = 0.847 mW/g = -1.44 dB mW/g

Date/Time: 02-07-2012

Test Laboratory: QuieTek Lab

GPRS 850 Mid Body-Back(2up)

DUT: Mobile Phone ; Type: HUAWEI U8832D-5

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; $\sigma = 0.98$ mho/m; $\epsilon_r = 52.95$; $\rho = 1000$ kg/m³ ; 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: SAM2; Type: SAM; Serial: TP1562
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

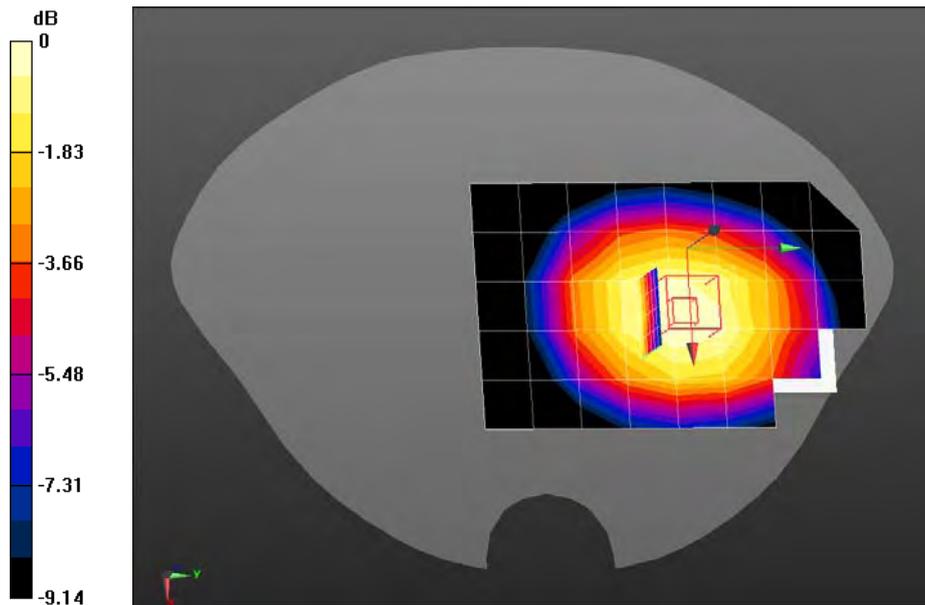
Configuration/GPRS 850 Mid Body-Back/Area Scan (6x9x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (measured) = 0.946 mW/g

Configuration/GPRS 850 Mid Body-Back/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm, Reference Value = 14.530 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 1.147 mW/g

SAR(1 g) = 0.887 mW/g; SAR(10 g) = 0.669 mW/g Maximum value of SAR (measured) = 0.927 mW/g



0 dB = 0.927 mW/g = -0.66 dB mW/g

Date/Time: 02-07-2012

Test Laboratory: QuieTek Lab

GPRS 850 High Body-Back(2up)

DUT: Mobile Phone ; Type: HUAWEI U8832D-5

Communication System: GPRS/EGPRS-2 Slot; Communication System Band: GSM850; Duty Cycle: 1:4.2 ;
 Frequency: 848.8 MHz; Medium parameters used: $f = 848.8$ MHz; $\sigma = 0.99$ mho/m; $\epsilon_r = 52.82$; $\rho = 1000$ kg/m³ ; 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: SAM2; Type: SAM; Serial: TP1562
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

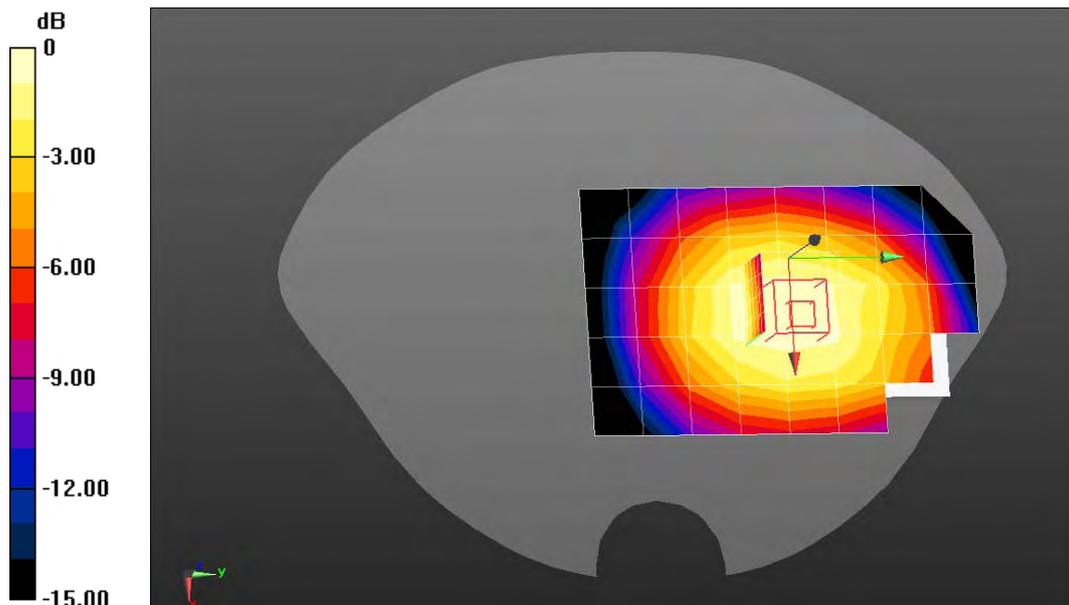
Configuration/GPRS 850 High Body-Back/Area Scan (6x9x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (measured) = 0.905 mW/g

Configuration/GPRS 850 High Body-Back/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm, Reference Value = 14.709 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 1.414 mW/g

SAR(1 g) = 0.951 mW/g; SAR(10 g) = 0.709 mW/g Maximum value of SAR (measured) = 0.996 mW/g



0 dB = 0.996 mW/g = -0.03 dB mW/g

Date/Time: 02-07-2012

Test Laboratory: QuieTek Lab

GPRS 850 Low Body-Back(3up)

DUT: Mobile Phone ; Type: HUAWEI U8832D-5

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; $\sigma = 0.97$ mho/m; $\epsilon_r = 53.07$; $\rho = 1000$ kg/m³ ; Phantom section: Flat Section

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

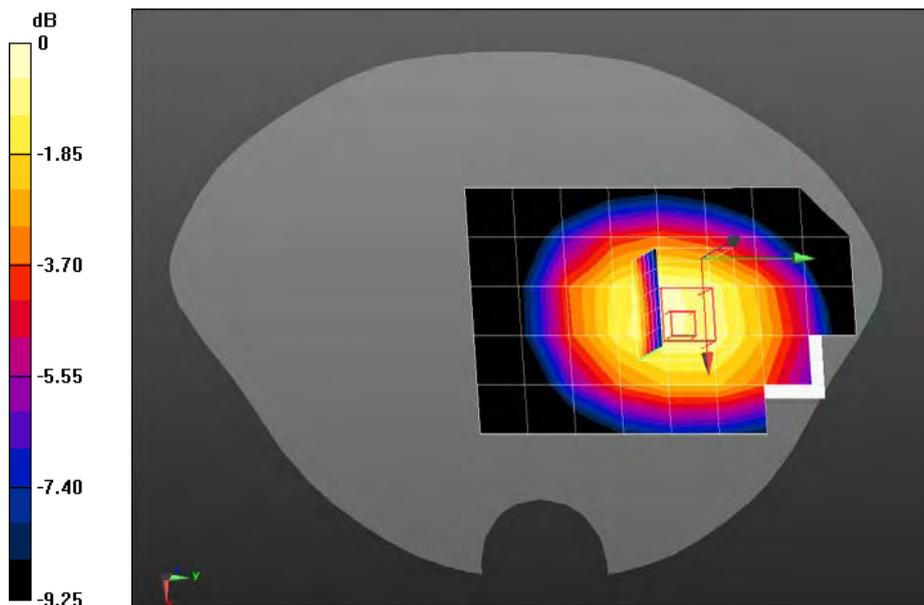
DASY5 Configuration:

- 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: SAM2; Type: SAM; Serial: TP1562
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

Configuration/GPRS 850 Low Body-Back(3up)/Area Scan (6x9x1): Measurement grid: dx=20mm, dy=20mm, Maximum value of SAR (measured) = 0.750 mW/g

Configuration/GPRS 850 Low Body-Back(3up)/Zoom Scan (6x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm, Reference Value = 13.012 V/m; Power Drift = -0.01 dB
 Peak SAR (extrapolated) = 1.108 mW/g

SAR(1 g) = 0.801 mW/g; SAR(10 g) = 0.590 mW/g Maximum value of SAR (measured) = 0.844 mW/g



0 dB = 0.844 mW/g = -1.47 dB mW/g

Date/Time: 02-07-2012

Test Laboratory: QuieTek Lab

GPRS 850 Mid Body-Back(3up)

DUT: Mobile Phone ; Type: HUAWEI U8832D-5

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; $\sigma = 0.98$ mho/m; $\epsilon_r = 52.95$; $\rho = 1000$ kg/m³ ; Phantom section: Flat Section

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

DASY5 Configuration:

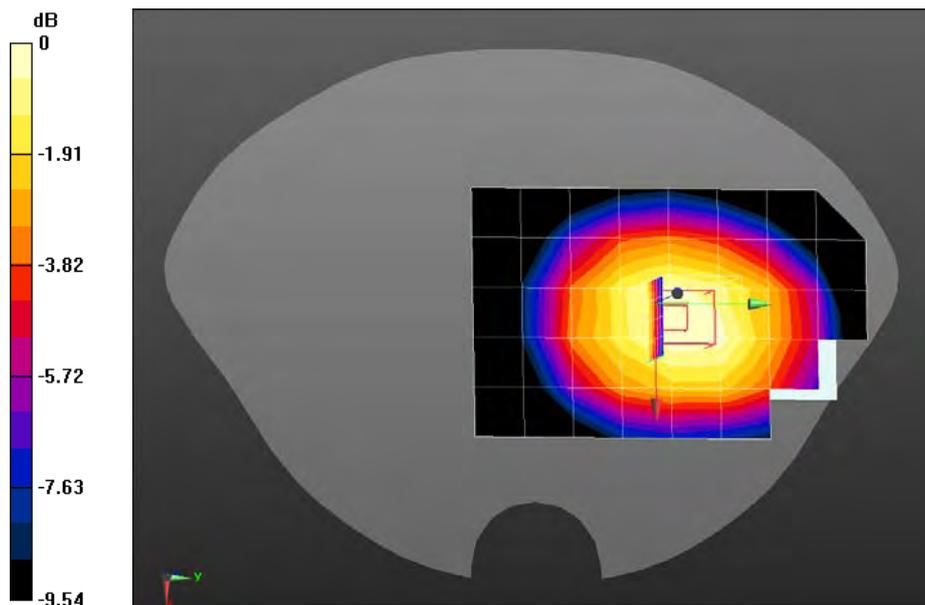
- Probe: EX3DV4 - SN3710; ConvF(9.13, 9.13, 9.13); Calibrated: 12/03/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 23/01/2012
- Phantom: SAM2; Type: SAM; Serial: TP1562
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

Configuration/GPRS 850 Mid Body-Back(3up)/Area Scan (6x9x1): Measurement grid: dx=20mm, dy=20mm, Maximum value of SAR (measured) = 0.949 mW/g

Configuration/GPRS 850 Mid Body-Back(3up)/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm, Reference Value = 14.357 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 1.176 mW/g

SAR(1 g) = 0.901 mW/g; SAR(10 g) = 0.669 mW/g Maximum value of SAR (measured) = 0.964 mW/g



0 dB = 0.964 mW/g = -0.32 dB mW/g

Date/Time: 02-07-2012

Test Laboratory: QuieTek Lab

GPRS 850 High Body-Back(3up)

DUT: Mobile Phone ; Type: HUAWEI U8832D-5

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; $\sigma = 0.99$ mho/m; $\epsilon_r = 52.82$; $\rho = 1000$ kg/m³ ; Phantom section: Flat Section

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

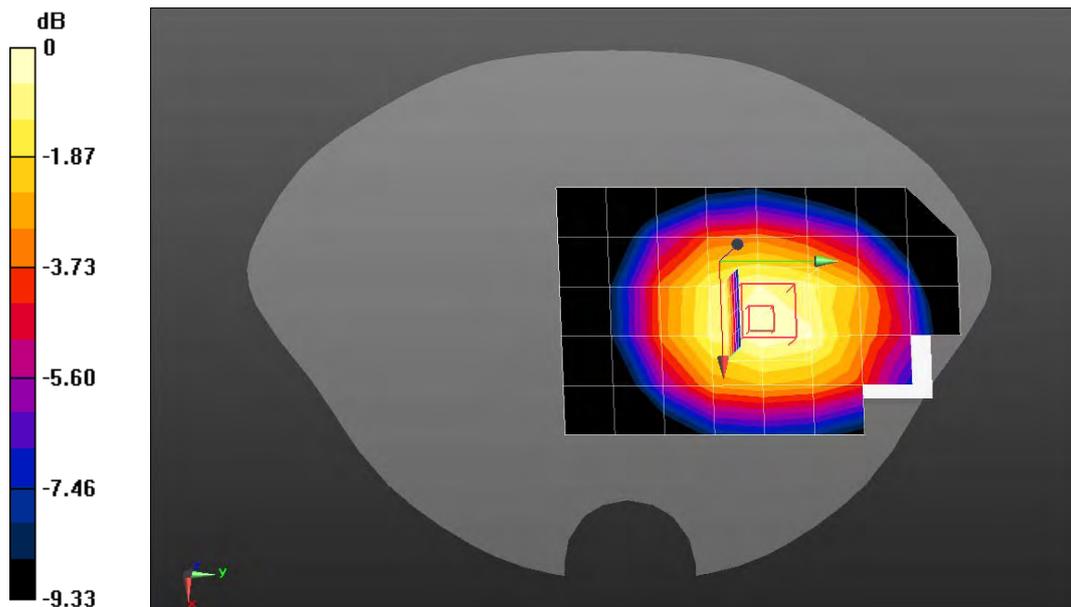
DASY5 Configuration:

- 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: SAM2; Type: SAM; Serial: TP1562
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

Configuration/GPRS 850 High Body-Back(3up)/Area Scan (6x9x1): Measurement grid: dx=20mm, dy=20mm, Maximum value of SAR (measured) = 1.02 mW/g

Configuration/GPRS 850 High Body-Back(3up)/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm, Reference Value = 15.075 V/m; Power Drift = -0.04dB
 Peak SAR (extrapolated) = 1.304 mW/g

SAR(1 g) = 0.981 mW/g; SAR(10 g) = 0.725 mW/g aximum value of SAR (measured) = 1.04 mW/g



0 dB = 1.04 mW/g = 0.34 dB mW/g

Date/Time: 02-07-2012

Test Laboratory: QuieTek Lab

GPRS 850 Low Body-Back(4up)

DUT: Mobile Phone ; Type: HUAWEI U8832D-5

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; $\sigma = 0.97$ mho/m; $\epsilon_r = 53.07$; $\rho = 1000$ kg/m³ ; 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: SAM2; Type: SAM; Serial: TP1562
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

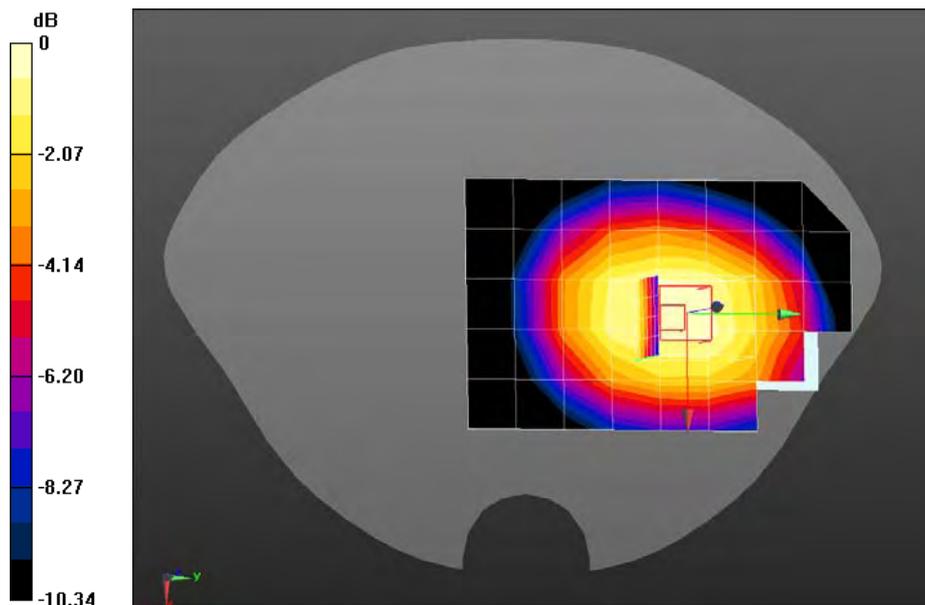
Configuration/GPRS 850 Low Body-Back/Area Scan (6x9x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (measured) = 0.880 mW/g

Configuration/GPRS 850 Low Body-Back/Zoom Scan (5x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm, reference Value = 14.017 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 1.149 mW/g

SAR(1 g) = 0.882 mW/g; SAR(10 g) = 0.657 mW/g maximum value of SAR (measured) = 0.931 mW/g



0 dB = 0.931 mW/g = -0.62 dB mW/g

Date/Time: 02-07-2012

Test Laboratory: QuieTek Lab

GPRS 850 Mid Body-Back(4up)

DUT: Mobile Phone ; Type: HUAWEI U8832D-5

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; $\sigma = 0.98$ mho/m; $\epsilon_r = 52.95$; $\rho = 1000$ kg/m³ ; 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: SAM2; Type: SAM; Serial: TP1562
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

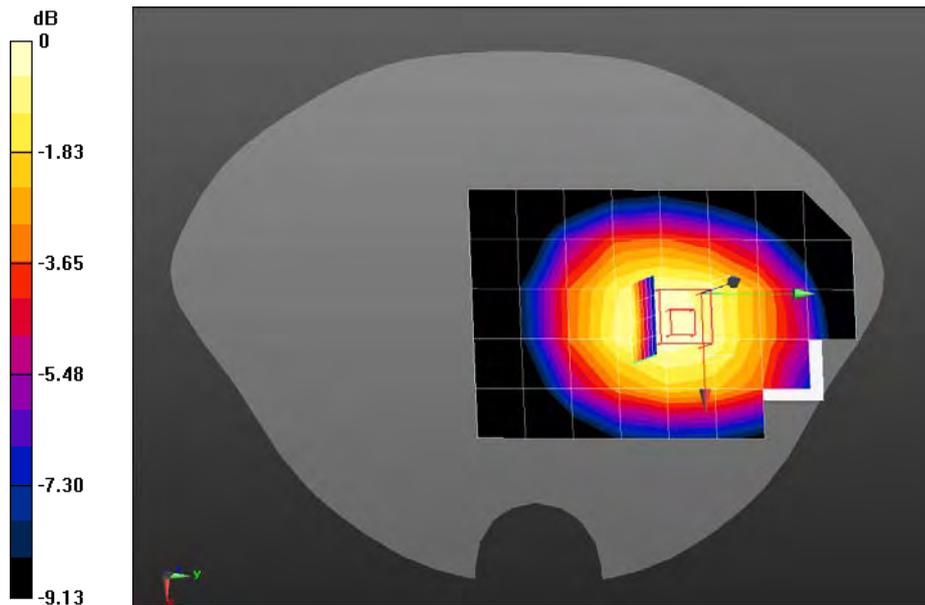
Configuration/GPRS 850 Mid Body-Back/Area Scan (6x9x1): Measurement grid: dx=20mm, dy=20mm

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

Configuration/GPRS 850 Mid Body-Back/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm, reference Value = 15.651 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 1.372 mW/g

SAR(1 g) = 1.03 mW/g; SAR(10 g) = 0.768 mW/g maximum value of SAR (measured) = 1.09 mW/g



0 dB = 1.09 mW/g = 0.75 dB mW/g

Date/Time: 02-07-2012

Test Laboratory: QuieTek Lab

GPRS 850 High Body-Back(4up)

DUT: Mobile Phone ; Type: HUAWEI U8832D-5

Communication System: GPRS/EGPRS-4 Slot; Communication System Band: GSM 850; Duty Cycle: 1:2.1 ;
 Frequency: 848.8 MHz; Medium parameters used: $f = 848.8 \text{ MHz}$; $\sigma = 0.99 \text{ mho/m}$; $\epsilon_r = 52.82$; $\rho = 1000 \text{ kg/m}^3$; 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: SAM2; Type: SAM; Serial: TP1562
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

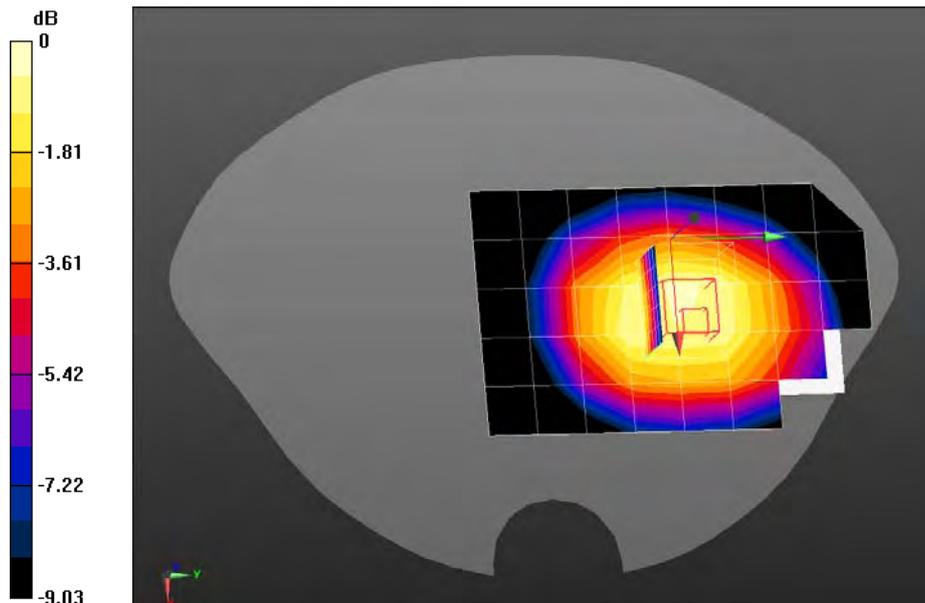
Configuration/GPRS 850 High Body-Back/Area Scan (6x9x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (measured) = 1.03 mW/g

Configuration/GPRS 850 High Body-Back/Zoom Scan (6x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm, Reference Value = 16.042 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 1.428 mW/g

SAR(1 g) = 1.08 mW/g; SAR(10 g) = 0.804 mW/g Maximum value of SAR (measured) = 1.14 mW/g



0 dB = 1.14 mW/g = 1.14 dB mW/g

Z-Axis Plot



Date/Time: 02-07-2012

Test Laboratory: QuieTek Lab

GPRS 850 Mid Body-Back(4up)(with headset)

DUT: Mobile Phone ; Type: HUAWEI U8832D-5

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; $\sigma = 0.98$ mho/m; $\epsilon_r = 52.95$; $\rho = 1000$ kg/m³ ; 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: SAM2; Type: SAM; Serial: TP1562
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

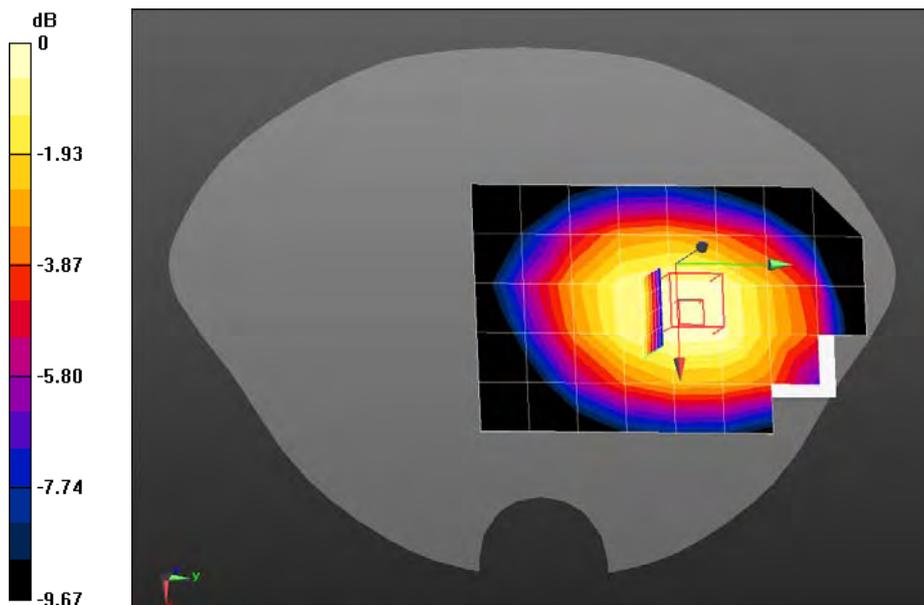
Configuration/GPRS 850 Mid Body-Back/Area Scan (6x9x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (measured) = 0.727 mW/g

Configuration/GPRS 850 Mid Body-Back/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm, Reference Value = 15.020 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.884 mW/g

SAR(1 g) = 0.713 mW/g; SAR(10 g) = 0.531 mW/g Maximum value of SAR (measured) = 0.764 mW/g



0 dB = 0.764 mW/g = -2.34 dB mW/g

Date/Time: 02-07-2012

Test Laboratory: QuieTek Lab

GPRS 850 High Body-Front(4up)

DUT: Mobile Phone ; Type: HUAWEI U8832D-5

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; $\sigma = 0.99$ mho/m; $\epsilon_r = 52.82$; $\rho = 1000$ kg/m³ ; 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: SAM2; Type: SAM; Serial: TP1562
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

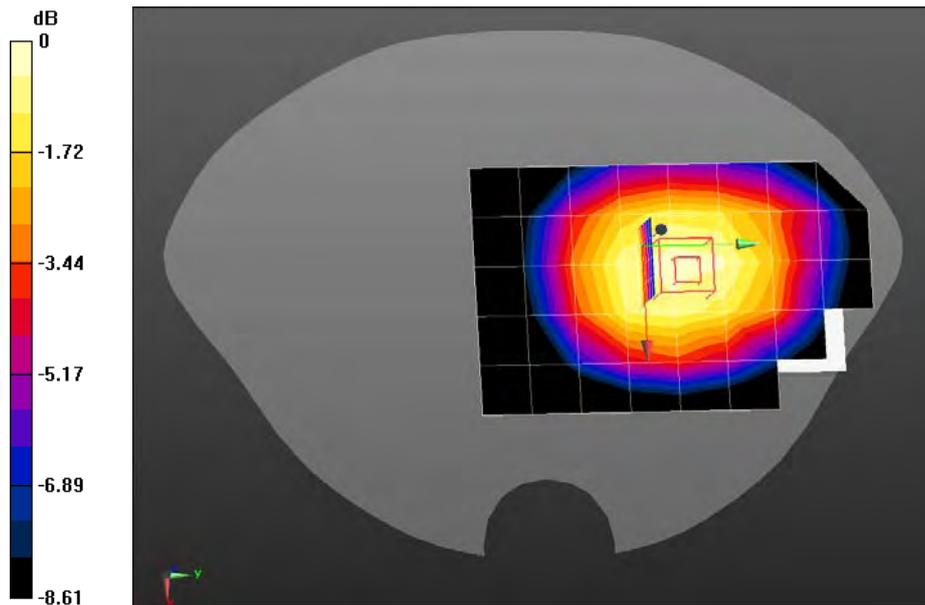
Configuration/GPRS 850 High Body-Front/Area Scan (6x9x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (measured) = 0.727 mW/g

Configuration/GPRS 850 High Body-Front/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm, Reference Value = 12.948 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.917 mW/g

SAR(1 g) = 0.708 mW/g; SAR(10 g) = 0.529 mW/g Maximum value of SAR (measured) = 0.762 mW/g



0 dB = 0.762 mW/g = -2.36 dB mW/g

Date/Time: 02-07-2012

Test Laboratory: QuieTek Lab

GPRS 850 High Body-Bottom(4up)

DUT: Mobile Phone ; Type: HUAWEI U8832D-5

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; $\sigma = 0.99$ mho/m; $\epsilon_r = 52.82$; $\rho = 1000$ kg/m³ ; Phantom section: Flat Section

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

DASY5 Configuration:

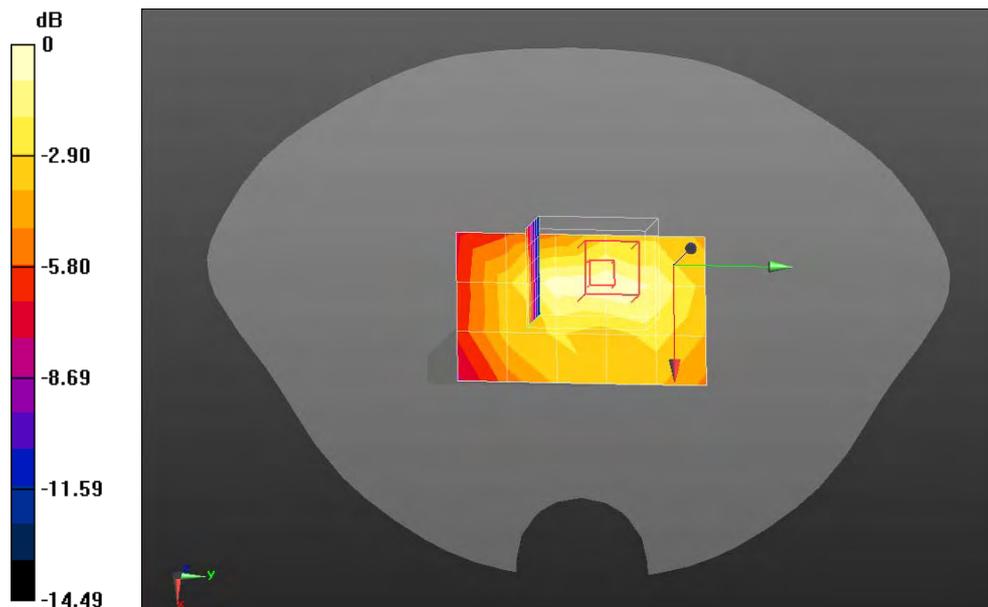
- Probe: EX3DV4 - SN3710; ConvF(9.13, 9.13, 9.13); Calibrated: 12/03/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 23/01/2012
- Phantom: SAM2; Type: SAM; Serial: TP1562
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

Configuration/GPRS 850 High Body-Bottom/Area Scan (4x6x1): Measurement grid: dx=20mm, dy=20mm, Maximum value of SAR (measured) = 0.0887 mW/g

Configuration/GPRS 850 High Body-Bottom/Zoom Scan (6x7x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm, Reference Value = 6.709 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 0.139 mW/g

SAR(1 g) = 0.081 mW/g; SAR(10 g) = 0.049 mW/g Maximum value of SAR (measured) = 0.0885 mW/g



0 dB = 0.0885 mW/g = -21.06 dB mW/g

Date/Time: 02-07-2012

Test Laboratory: QuieTek Lab

GPRS 850 High Body-Right side(4up)

DUT: Mobile Phone ; Type: HUAWEI U8832D-5

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; $\sigma = 0.99$ mho/m; $\epsilon_r = 52.82$; $\rho = 1000$ kg/m³ ; Phantom section: Flat Section

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

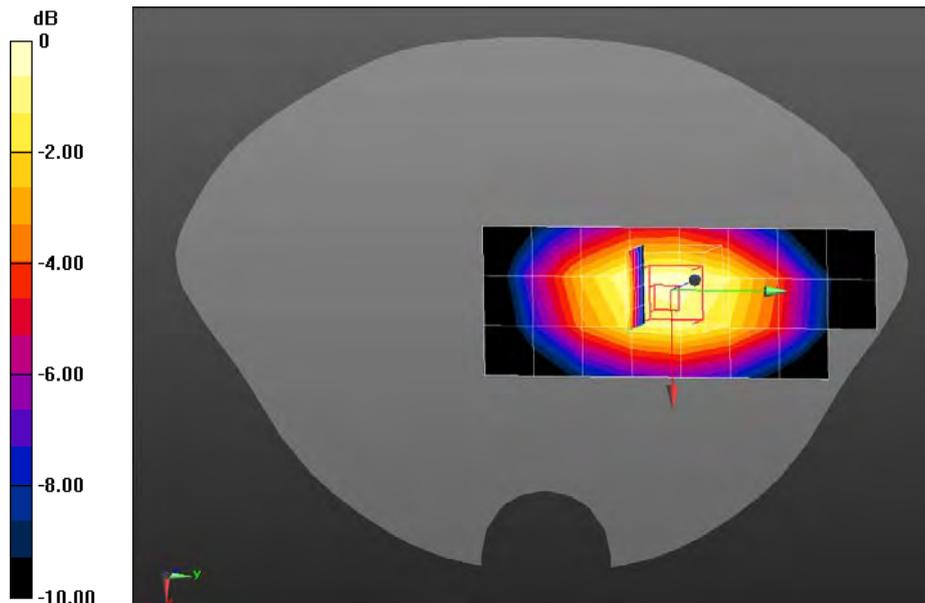
DASY5 Configuration:

- 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: SAM2; Type: SAM; Serial: TP1562
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

Configuration/GPRS 850 High Body-Right side/Area Scan (4x9x1): Measurement grid: dx=20mm, dy=20mm, Maximum value of SAR (measured) = 0.743 mW/g

Configuration/GPRS 850 High Body-Right side/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm, Reference Value = 15.975 V/m; Power Drift = -0.04 dB
 Peak SAR (extrapolated) = 1.021 mW/g

SAR(1 g) = 0.739 mW/g; SAR(10 g) = 0.510 mW/g Maximum value of SAR (measured) = 0.777 mW/g



0 dB = 0.777 mW/g = -2.19 dB mW/g

Date/Time: 02-07-2012

Test Laboratory: QuieTek Lab

GPRS 850 High Body-Left side(4up)

DUT: Mobile Phone ; Type: HUAWEI U8832D-5

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; $\sigma = 0.99$ mho/m; $\epsilon_r = 52.82$; $\rho = 1000$ kg/m³ ; Phantom section: Flat Section

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

DASY5 Configuration:

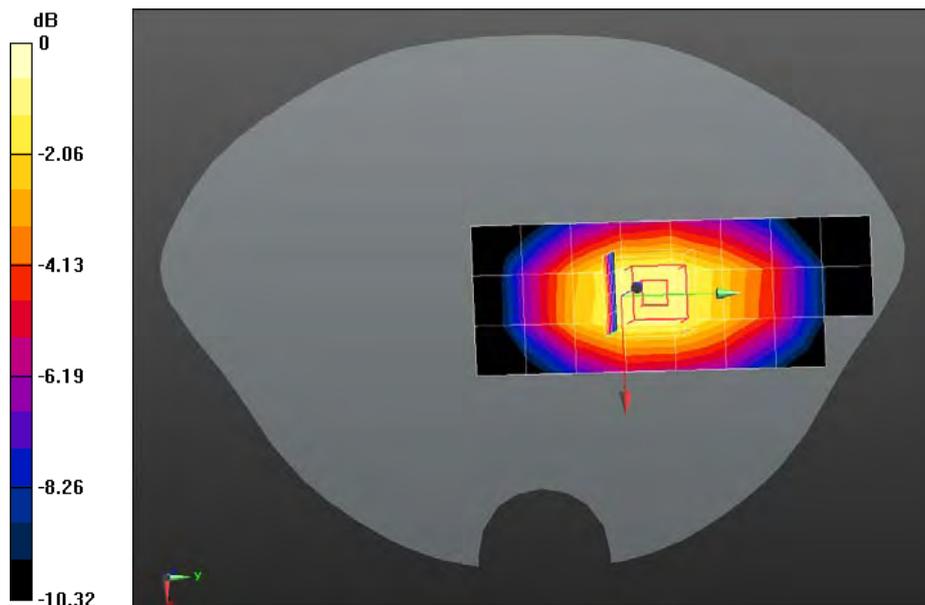
- Probe: EX3DV4 - SN3710; ConvF(9.13, 9.13, 9.13); Calibrated: 12/03/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 23/01/2012
- Phantom: SAM2; Type: SAM; Serial: TP1562
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

Configuration/GPRS 850 High Body-Left side/Area Scan (4x9x1): Measurement grid: dx=20mm, dy=20mm, Maximum value of SAR (measured) = 0.652 mW/g

Configuration/GPRS 850 High Body-Left side/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm, Reference Value = 16.159 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.081 mW/g

SAR(1 g) = 0.740 mW/g; SAR(10 g) = 0.508 mW/g Maximum value of SAR (measured) = 0.790 mW/g



0 dB = 0.790 mW/g = -2.05 dB mW/g

Date/Time: 02-07-2012

Test Laboratory: QuieTek Lab

GPRS 850 High Body-Back(4up)(with battery #2)

DUT: Mobile Phone ; Type: HUAWEI U8832D-5

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; $\sigma = 0.99$ mho/m; $\epsilon_r = 52.82$; $\rho = 1000$ kg/m³ ; 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: SAM2; Type: SAM; Serial: TP1562
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

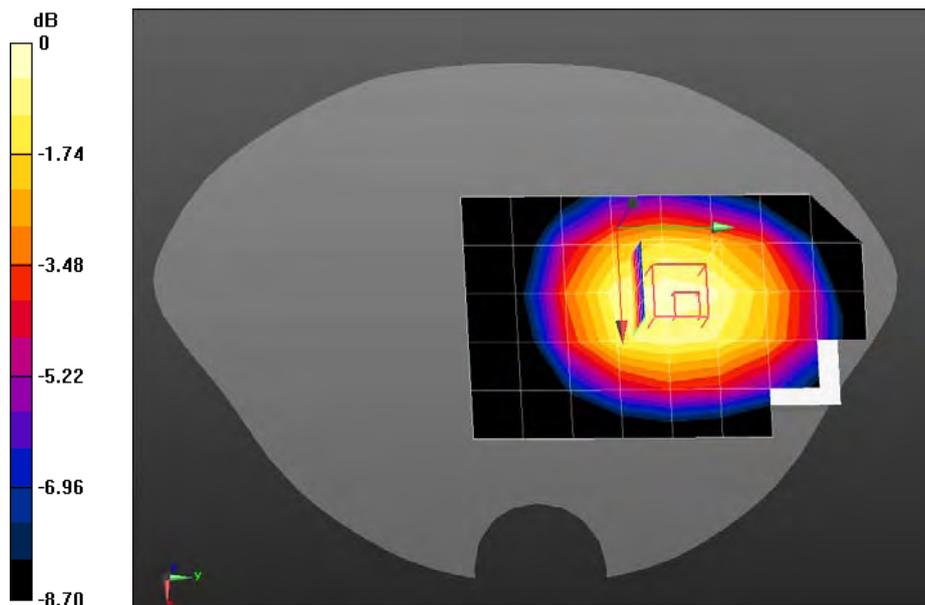
Configuration/GPRS 850High Body-Back/Area Scan (6x9x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (measured) = 1.03 mW/g

Configuration/GPRS 850High Body-Back/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm, Reference Value = 14.037 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 1.332 mW/g

SAR(1 g) = 1.01 mW/g; SAR(10 g) = 0.763 mW/g Maximum value of SAR (measured) = 1.07 mW/g



0 dB = 1.07 mW/g = 0.59 dB mW/g

Date/Time: 02-07-2012

Test Laboratory: QuieTek Lab

GPRS 850 High Body-Back(4up)(with battery #3)

DUT: Mobile Phone ; Type: HUAWEI U8832D-5

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; $\sigma = 0.99$ mho/m; $\epsilon_r = 52.82$; $\rho = 1000$ kg/m³ ; 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: SAM2; Type: SAM; Serial: TP1562
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

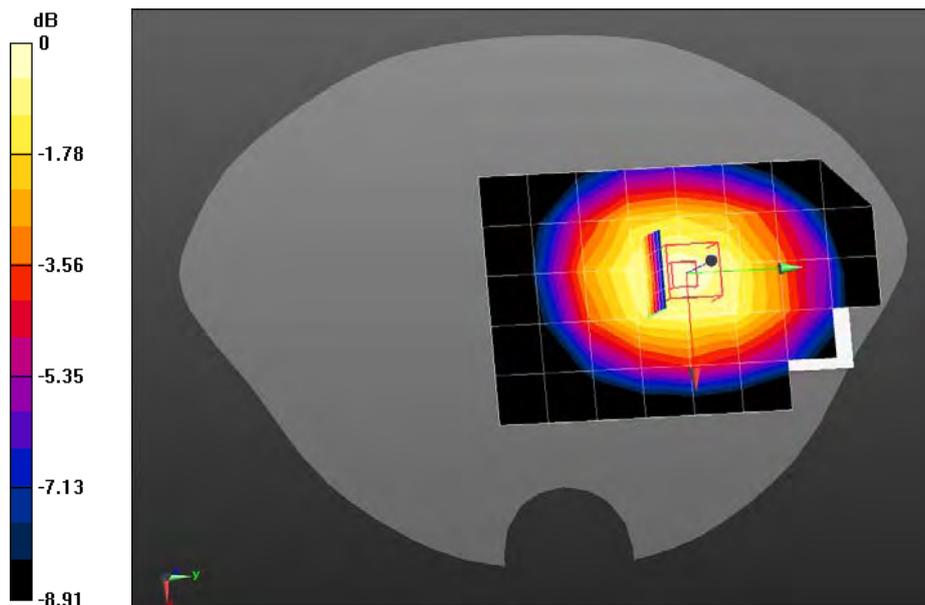
Configuration/GPRS 850High Body-Back/Area Scan (6x9x1): Measurement grid: dx=20mm, dy=20mm

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

Configuration/GPRS 850High Body-Back/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm, Reference Value = 16.167 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 1.437 mW/g

SAR(1 g) = 1.07 mW/g; SAR(10 g) = 0.795 mW/g Maximum value of SAR (measured) = 1.14 mW/g



0 dB = 1.14 mW/g = 1.14 dB mW/g

Date/Time: 03-07-2012

Test Laboratory: QuieTek Lab

PCS1900 Mid Touch-Left

DUT: Mobile Phone ; Type: HUAWEI U8832D-5

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; $\epsilon_r = 39.97$; $\rho = 1000$ kg/m³; 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)

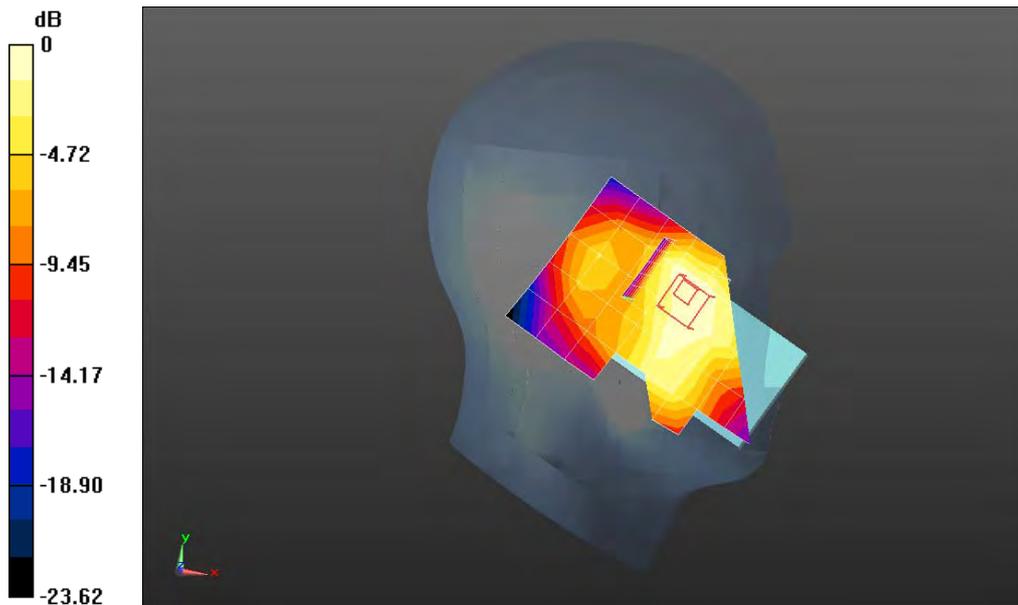
Configuration/PCS1900 Mid Touch-Left/Area Scan (6x9x1): Measurement grid: dx=20mm, dy=20mm

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

Configuration/PCS1900 Mid Touch-Left/Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm, Reference Value = 7.025 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.348 mW/g

SAR(1 g) = 0.211 mW/g; SAR(10 g) = 0.134 mW/g Maximum value of SAR (measured) = 0.223 mW/g



0 dB = 0.223 mW/g = -13.03 dB mW/g

Date/Time: 03-07-2012

Test Laboratory: QuieTek Lab

PCS1900 Mid Tilt-Left

DUT: Mobile Phone ; Type: HUAWEI U8832D-5

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; $\epsilon_r = 39.97$; $\rho = 1000$ kg/m³; 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)

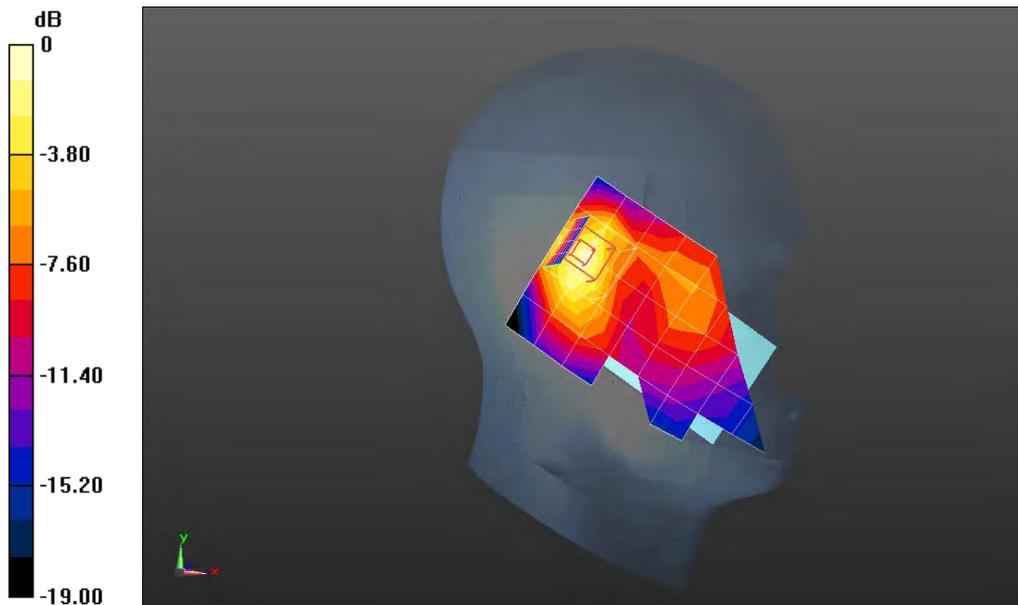
Configuration/PCS1900 Mid Tilt-Left/Area Scan (6x9x1): Measurement grid: dx=20mm, dy=20mm

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

Configuration/PCS1900 Mid Tilt-Left/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm, Reference Value = 9.907 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 0.292 mW/g

SAR(1 g) = 0.172 mW/g; SAR(10 g) = 0.095 mW/g Maximum value of SAR (measured) = 0.183 mW/g



0 dB = 0.183 mW/g = -14.75 dB mW/g

Date/Time: 03-07-2012

Test Laboratory: QuieTek Lab

PCS1900 Mid Touch-Right

DUT: Mobile Phone ; Type: HUAWEI U8832D-5

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; $\epsilon_r = 39.97$; $\rho = 1000$ kg/m³; 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 (6x9x1): Measurement grid: dx=20mm, dy=20mm

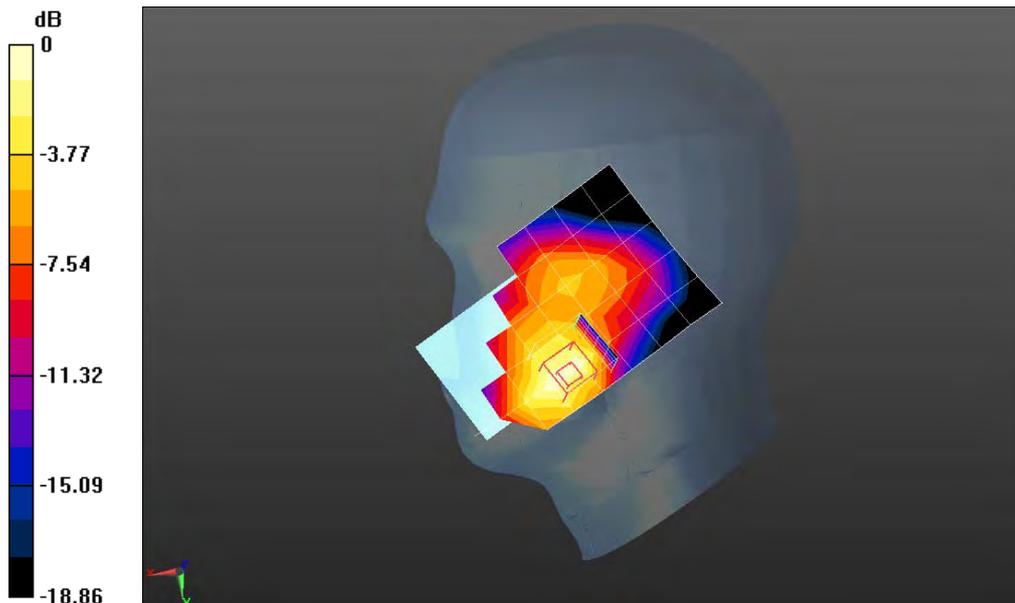
Maximum value of SAR (measured) = 0.367 mW/g

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

dy=8mm, dz=5mm, Reference Value = 5.710 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.614 mW/g

SAR(1 g) = 0.369 mW/g; SAR(10 g) = 0.218 mW/g Maximum value of SAR (measured) = 0.382 mW/g



0 dB = 0.382 mW/g = -8.36 dB mW/g

Date/Time: 03-07-2012

Test Laboratory: QuieTek Lab

PCS1900 Mid Tilt-Right

DUT: Mobile Phone ; Type: HUAWEI U8832D-5

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; $\epsilon_r = 39.97$; $\rho = 1000$ kg/m³; 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)

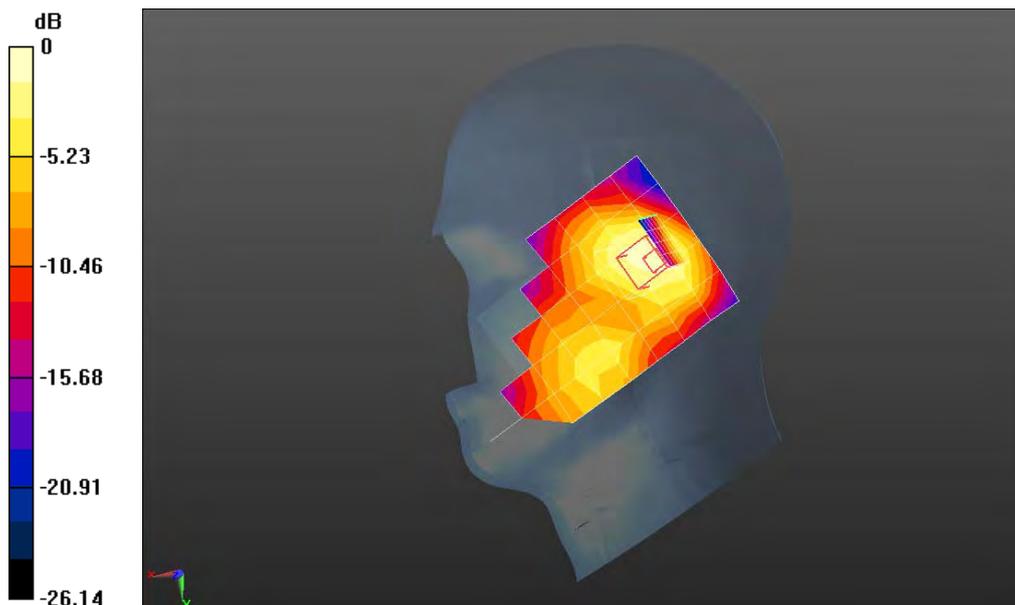
Configuration/PCS1900 Mid Tilt-Right/Area Scan (6x9x1): Measurement grid: dx=20mm, dy=20mm

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

Configuration/PCS1900 Mid Tilt-Right/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm, Reference Value = 10.269 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.277 mW/g

SAR(1 g) = 0.165 mW/g; SAR(10 g) = 0.097 mW/g Maximum value of SAR (measured) = 0.177 mW/g



0 dB = 0.177 mW/g = -15.04 dB mW/g

Date/Time: 03-07-2012

Test Laboratory: QuieTek Lab

PCS1900 Mid Touch-Right (SIM 1)

DUT: Mobile Phone ; Type: HUAWEI U8832D-5

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; $\epsilon_r = 39.97$; $\rho = 1000$ kg/m³; 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 (6x9x1): Measurement grid: dx=20mm, dy=20mm

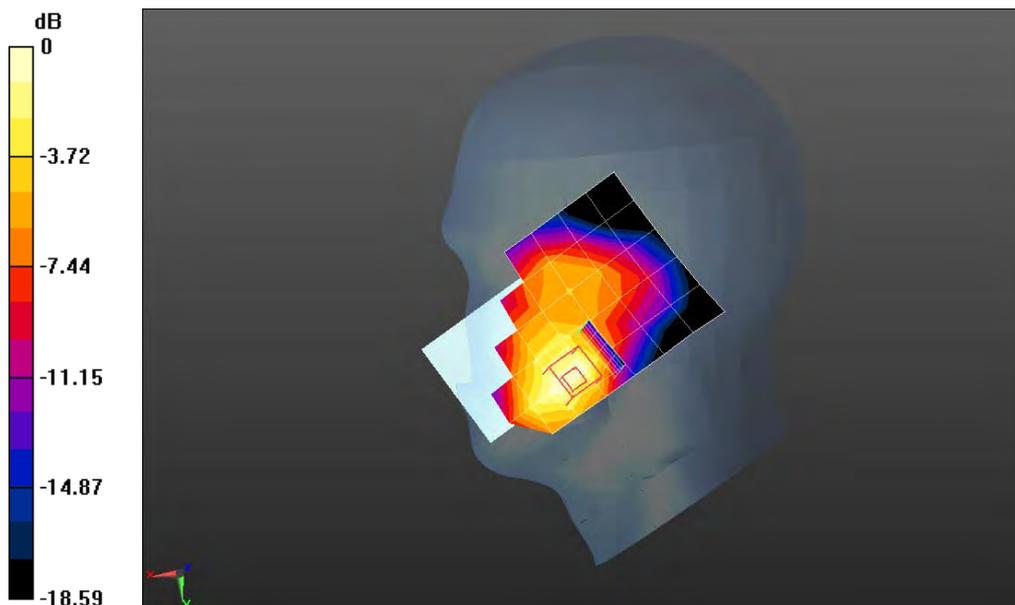
Maximum value of SAR (measured) = 0.357 mW/g

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

dy=8mm, dz=5mm, Reference Value = 5.316 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 0.611 mW/g

SAR(1 g) = 0.358 mW/g; SAR(10 g) = 0.211 mW/g Maximum value of SAR (measured) = 0.372 mW/g



0 dB = 0.372 mW/g = -8.59 dB mW/g

Date/Time: 03-07-2012

Test Laboratory: QuieTek Lab

PCS1900 Mid Body-Back

DUT: Mobile Phone ; Type: HUAWEI U8832D-5

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

Frequency: 1880 MHz; Medium parameters used: $f = 1880$ MHz; $\sigma = 1.51$ mho/m; $\epsilon_r = 54.01$; $\rho = 1000$ kg/m³; 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)

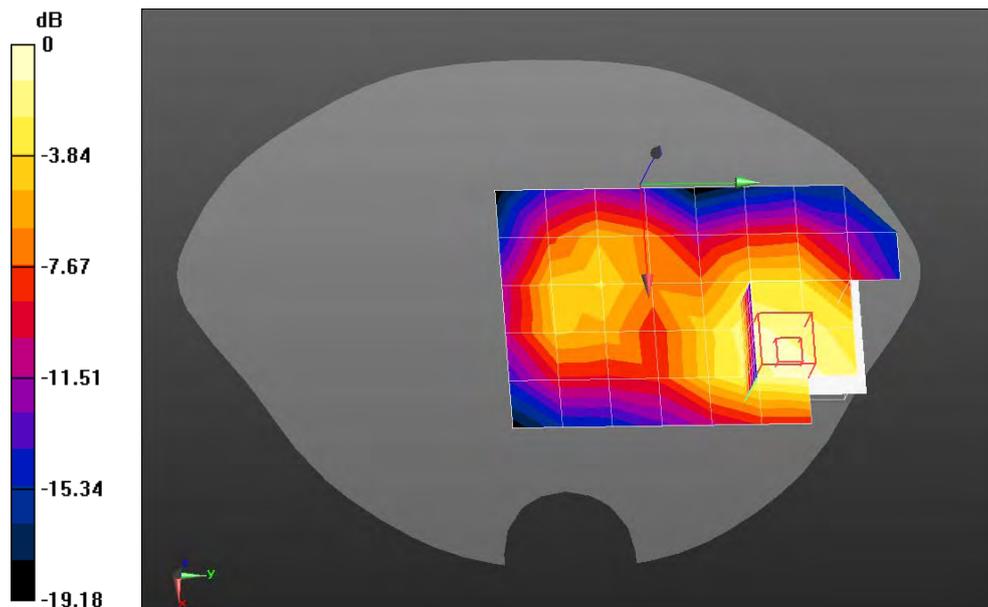
Configuration/PCS1900 Mid Body-Back/Area Scan (6x9x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (measured) = 0.368 mW/g

Configuration/PCS1900 Mid Body-Back/Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm, Reference Value = 10.372 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.698 mW/g

SAR(1 g) = 0.407 mW/g; SAR(10 g) = 0.242 mW/g Maximum value of SAR (measured) = 0.430 mW/g



0 dB = 0.430 mW/g = -7.33 dB mW/g

Date/Time: 03-07-2012

Test Laboratory: QuieTek Lab

PCS1900 Mid Body-Back(with headset)

DUT: Mobile Phone ; Type: HUAWEI U8832D-5

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

Frequency: 1880 MHz; Medium parameters used: $f = 1880$ MHz; $\sigma = 1.51$ mho/m; $\epsilon_r = 54.01$; $\rho = 1000$ kg/m³; 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 (6x9x1): Measurement grid: dx=20mm, dy=20mm

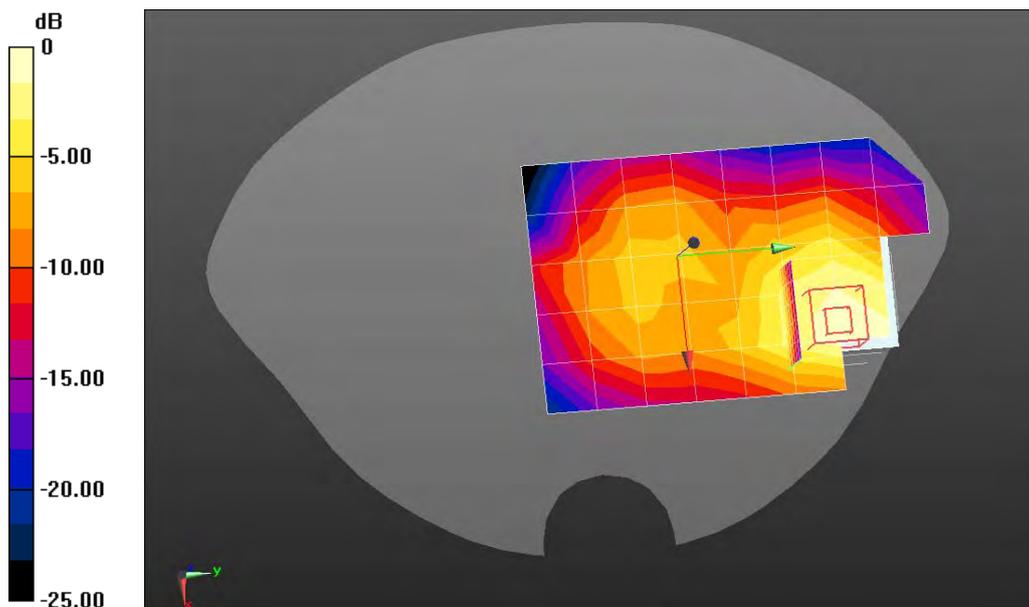
Maximum value of SAR (measured) = 0.415 mW/g

Configuration/PCS1900 Mid Body-Back/Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=8mm,

dy=8mm, dz=5mm, Reference Value = 7.075 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.789 mW/g

SAR(1 g) = 0.442 mW/g; SAR(10 g) = 0.251 mW/g Maximum value of SAR (measured) = 0.480 mW/g



0 dB = 0.480 mW/g = -6.38 dB mW/g

Date/Time: 03-07-2012

Test Laboratory: QuieTek Lab

GPRS1900 Mid Body-Back(2up)

DUT: Mobile Phone ; Type: HUAWEI U8832D-5

Communication System: GPRS/EGPRS-2 Slot; Communication System Band: PCS1900; Duty Cycle: 1:4.2 ;
 Frequency: 1880 MHz; Medium parameters used: $f = 1880$ MHz; $\sigma = 1.51$ mho/m; $\epsilon_r = 54.01$; $\rho = 1000$ kg/m³ ; 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)

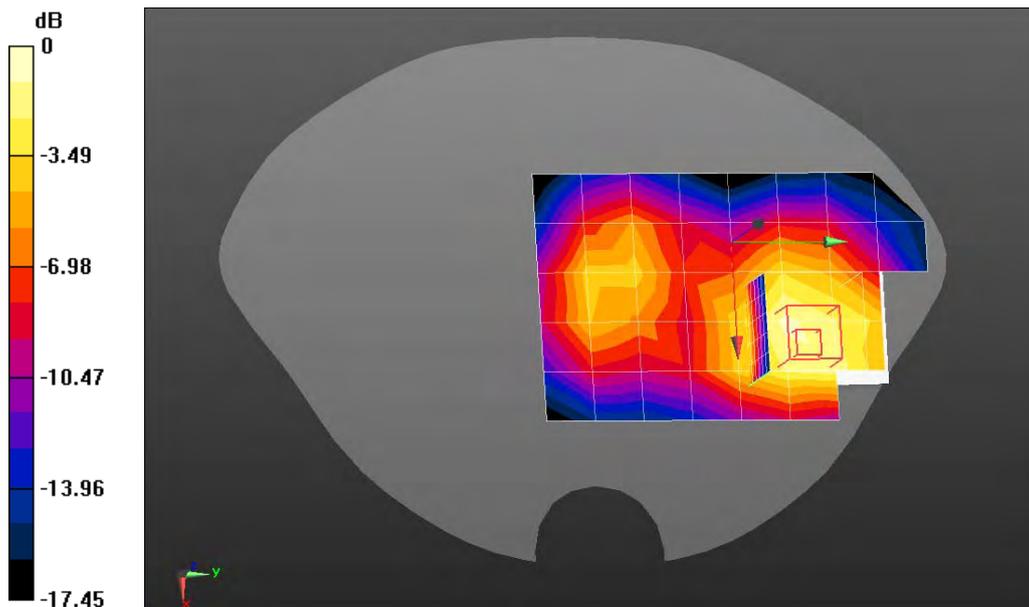
Configuration/GPRS1900 Mid Body-Back/Area Scan (6x9x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (measured) = 0.519 mW/g

Configuration/GPRS1900 Mid Body-Back/Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm, Reference Value = 12.759 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 1.008 mW/g

SAR(1 g) = 0.569 mW/g; SAR(10 g) = 0.333 mW/g Maximum value of SAR (measured) = 0.623 mW/g



0 dB = 0.623 mW/g = -4.11 dB mW/g

Date/Time: 03-07-2012

Test Laboratory: QuieTek Lab

GPRS1900 Mid Body-Back(3up)

DUT: Mobile Phone ; Type: HUAWEI U8832D-5

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; $\sigma = 1.51$ mho/m; $\epsilon_r = 54.01$; $\rho = 1000$ kg/m³ ; 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)

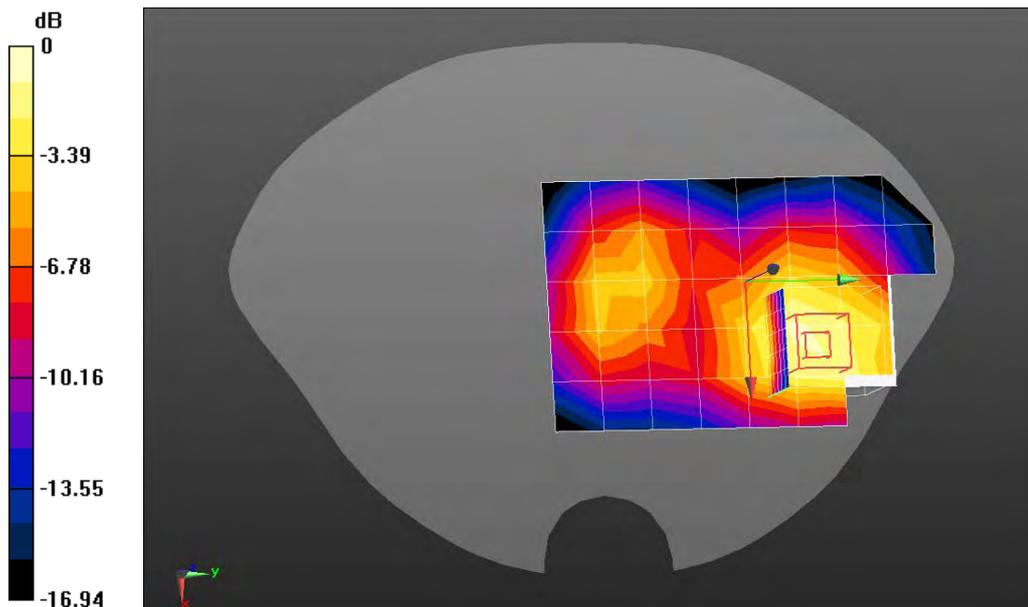
Configuration/GPRS1900 Mid Body-Back/Area Scan (6x9x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (measured) = 0.497 mW/g

Configuration/GPRS1900 Mid Body-Back/Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm, Reference Value = 12.825 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.970 mW/g

SAR(1 g) = 0.559 mW/g; SAR(10 g) = 0.331 mW/g Maximum value of SAR (measured) = 0.590 mW/g



0 dB = 0.590 mW/g = -4.58 dB mW/g

Date/Time: 03-07-2012

Test Laboratory: QuieTek Lab

GPRS1900 Mid Body-Back(4up)

DUT: Mobile Phone ; Type: HUAWEI U8832D-5

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; $\sigma = 1.51$ mho/m; $\epsilon_r = 54.01$; $\rho = 1000$ kg/m³ ; 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)

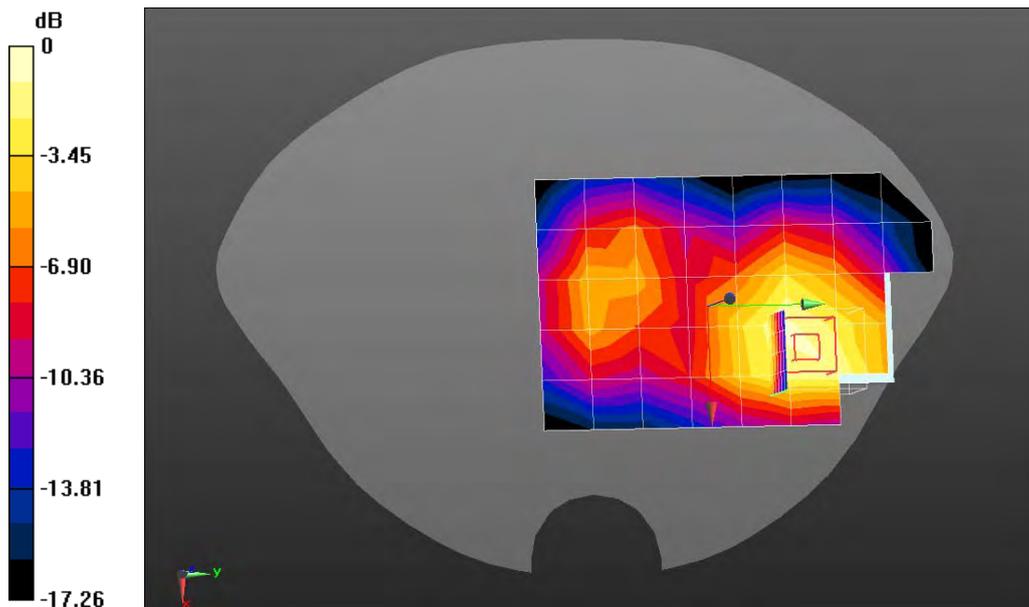
Configuration/GPRS1900 Mid Body-Back/Area Scan (6x9x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (measured) = 0.624 mW/g

Configuration/GPRS1900 Mid Body-Back/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm, Reference Value = 13.138 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 1.170 mW/g

SAR(1 g) = 0.688 mW/g; SAR(10 g) = 0.399 mW/g Maximum value of SAR (measured) = 0.752 mW/g



0 dB = 0.752 mW/g = -2.48 dB mW/g

Date/Time: 03-07-2012

Test Laboratory: QuieTek Lab

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

DUT: Mobile Phone ; Type: HUAWEI U8832D-5

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; $\sigma = 1.51$ mho/m; $\epsilon_r = 54.01$; $\rho = 1000$ kg/m³ ; 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)

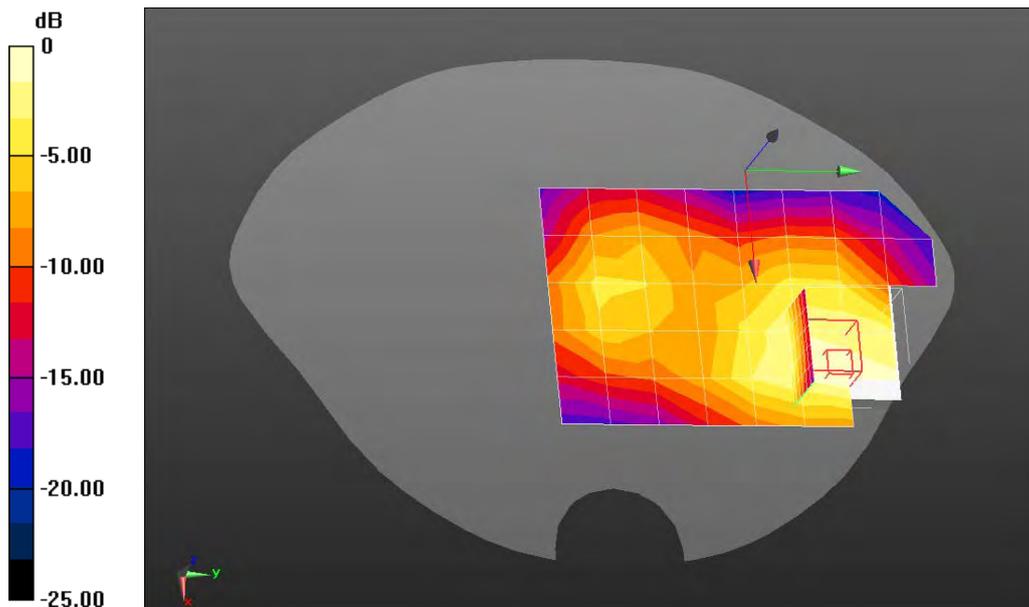
Configuration/GPRS1900 Mid Body-Back/Area Scan (6x9x1): Measurement grid: dx=20mm, dy=20mm

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

Configuration/GPRS1900 Mid Body-Back/Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm, Reference Value = 12.492 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 0.966 mW/g

SAR(1 g) = 0.566 mW/g; SAR(10 g) = 0.334 mW/g Maximum value of SAR (measured) = 0.615 mW/g



0 dB = 0.615 mW/g = -4.22 dB mW/g

Date/Time: 03-07-2012

Test Laboratory: QuieTek Lab

GPRS1900 Mid Body-Front(4up)

DUT: Mobile Phone ; Type: HUAWEI U8832D-5

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; $\sigma = 1.51$ mho/m; $\epsilon_r = 54.01$; $\rho = 1000$ kg/m³ ; 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)

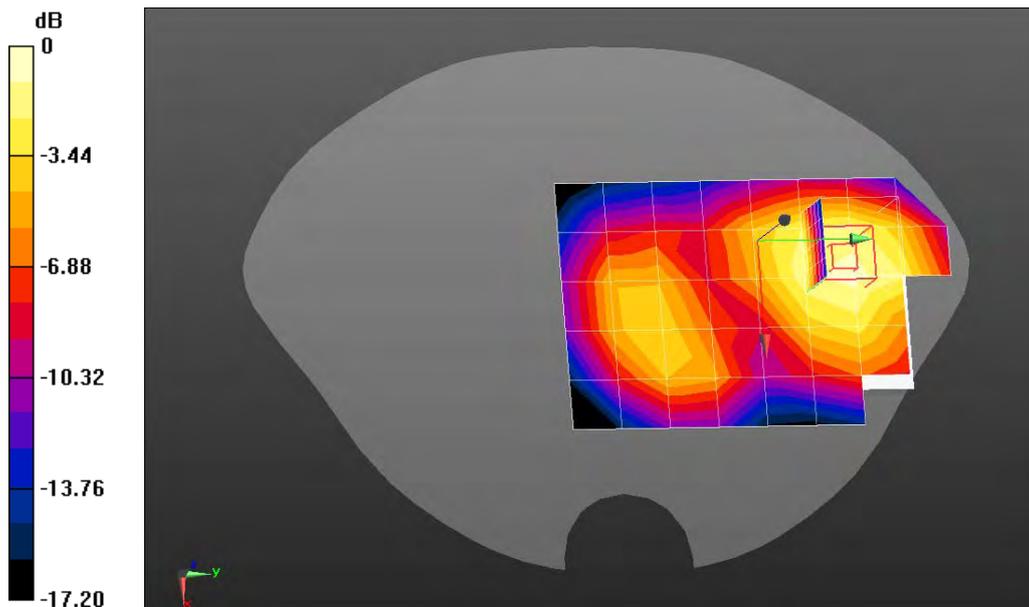
Configuration/GPRS1900 Mid Body-Front/Area Scan (6x9x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (measured) = 0.462 mW/g

Configuration/GPRS1900 Mid Body-Front/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm, Reference Value = 11.485 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.830 mW/g

SAR(1 g) = 0.503 mW/g; SAR(10 g) = 0.300 mW/g Maximum value of SAR (measured) = 0.534 mW/g



0 dB = 0.534 mW/g = -5.45 dB mW/g

Date/Time: 03-07-2012

Test Laboratory: QuieTek Lab

GPRS1900 Mid Body-Bottom(4up)

DUT: Mobile Phone ; Type: HUAWEI U8832D-5

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; $\sigma = 1.51$ mho/m; $\epsilon_r = 54.01$; $\rho = 1000$ kg/m³ ; Phantom section: Flat Section

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

DASY5 Configuration:

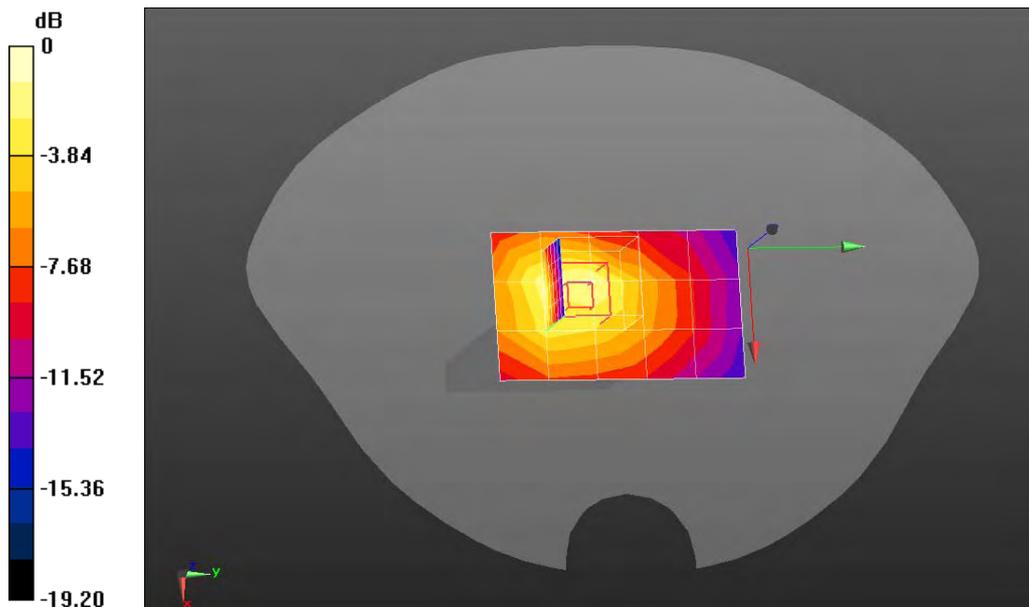
- Probe: EX3DV4 - SN3710; ConvF(7.43, 7.43, 7.43); Calibrated: 12/03/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 23/01/2012
- Phantom: SAM2; Type: SAM; Serial: TP1562
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

Configuration/GPRS1900 Mid Body-Bottom/Area Scan (4x6x1): Measurement grid: dx=20mm, dy=20mm, Maximum value of SAR (measured) = 0.267 mW/g

Configuration/GPRS1900 Mid Body-Bottom/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm, Reference Value = 11.728 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 0.523 mW/g

SAR(1 g) = 0.316 mW/g; SAR(10 g) = 0.175 mW/g Maximum value of SAR (measured) = 0.337 mW/g



0 dB = 0.337 mW/g = -9.45 dB mW/g

Date/Time: 03-07-2012

Test Laboratory: QuieTek Lab

GPRS1900 Mid Body-Right side(4up)

DUT: Mobile Phone ; Type: HUAWEI U8832D-5

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; $\sigma = 1.51$ mho/m; $\epsilon_r = 54.01$; $\rho = 1000$ kg/m³ ; Phantom section: Flat Section

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

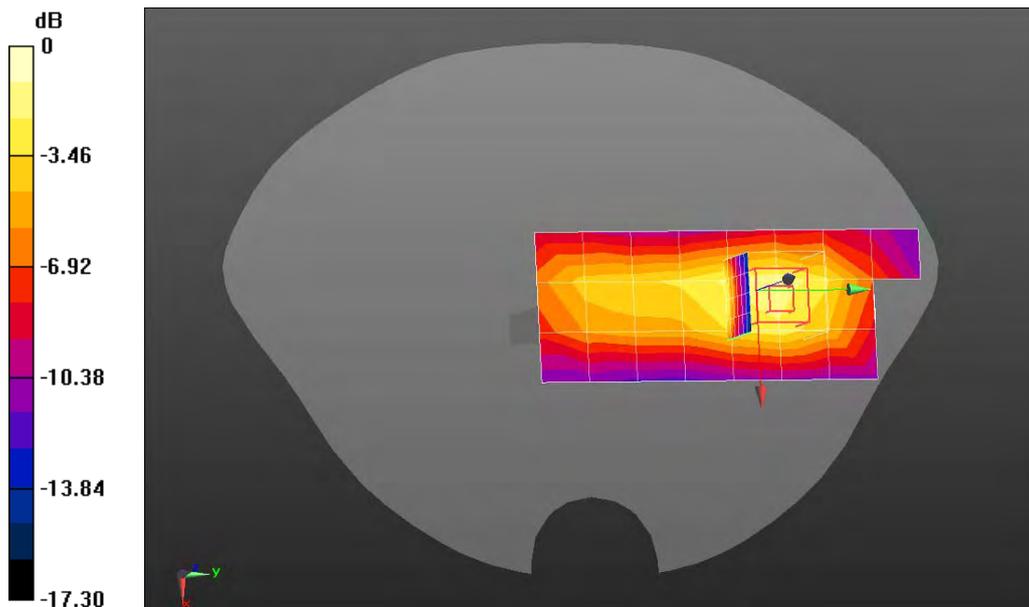
DASY5 Configuration:

- 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-Right side/Area Scan (4x9x1): Measurement grid: dx=20mm, dy=20mm, Maximum value of SAR (measured) = 0.278 mW/g

Configuration/GPRS1900 Mid Body-Right side/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm, Reference Value = 10.433 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 0.591 mW/g

SAR(1 g) = 0.337 mW/g; SAR(10 g) = 0.190 mW/g Maximum value of SAR (measured) = 0.376 mW/g



0 dB = 0.376 mW/g = -8.50 dB mW/g

Date/Time: 03-07-2012

Test Laboratory: QuieTek Lab

GPRS1900 Mid Body-Left side(4up)

DUT: Mobile Phone ; Type: HUAWEI U8832D-5

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; $\sigma = 1.51$ mho/m; $\epsilon_r = 54.01$; $\rho = 1000$ kg/m³ ; Phantom section: Flat Section

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

DASY5 Configuration:

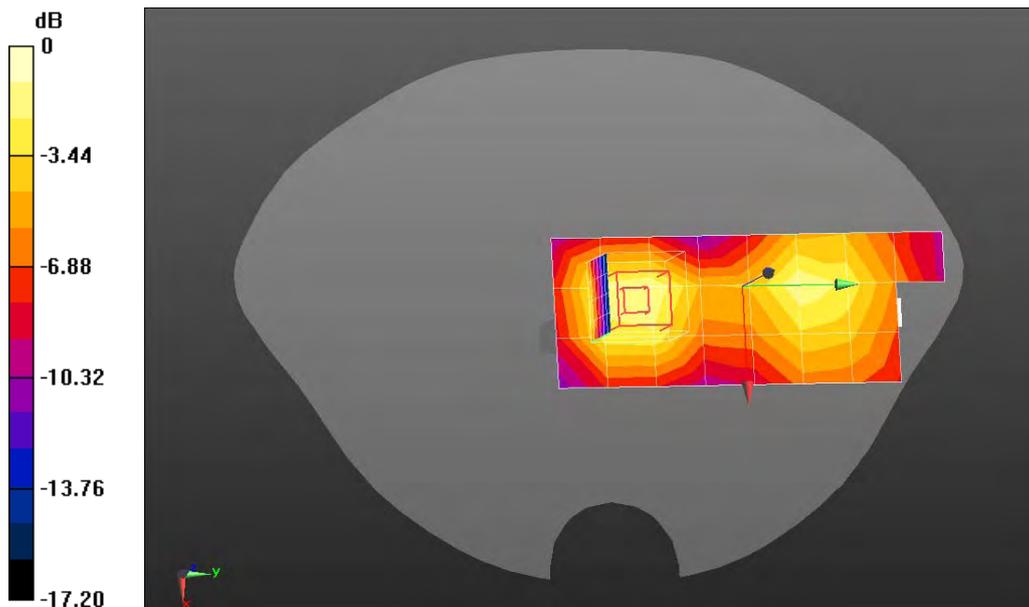
- Probe: EX3DV4 - SN3710; ConvF(7.43, 7.43, 7.43); Calibrated: 12/03/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 23/01/2012
- Phantom: SAM2; Type: SAM; Serial: TP1562
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

Configuration/GPRS1900 Mid Body-Left side/Area Scan (4x9x1): Measurement grid: dx=20mm, dy=20mm, Maximum value of SAR (measured) = 0.117 mW/g

Configuration/GPRS1900 Mid Body-Left side/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm, Reference Value = 8.945 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.234 mW/g

SAR(1 g) = 0.139 mW/g; SAR(10 g) = 0.081 mW/g Maximum value of SAR (measured) = 0.151 mW/g



0 dB = 0.151 mW/g = -16.42 dB mW/g

Date/Time: 03-07-2012

Test Laboratory: QuieTek Lab

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

DUT: Mobile Phone ; Type: HUAWEI U8832D-5

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; $\sigma = 1.51$ mho/m; $\epsilon_r = 54.01$; $\rho = 1000$ kg/m³ ; 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)

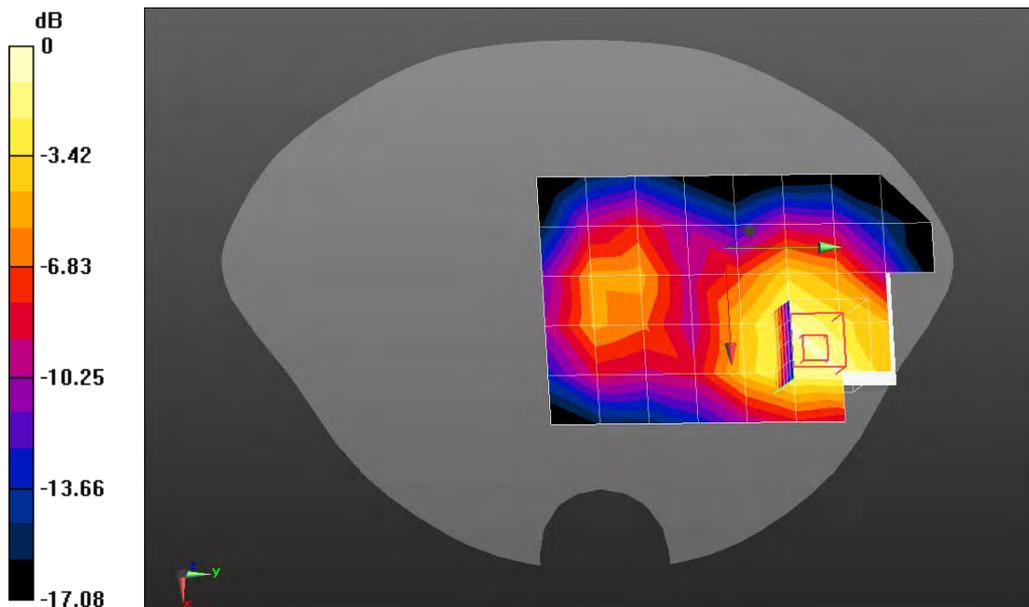
Configuration/GPRS1900 Mid Body-Back/Area Scan (6x9x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (measured) = 0.617 mW/g

Configuration/GPRS1900 Mid Body-Back/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm, Reference Value = 13.087 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 1.299 mW/g

SAR(1 g) = 0.707 mW/g; SAR(10 g) = 0.410 mW/g Maximum value of SAR (measured) = 0.778 mW/g



0 dB = 0.778 mW/g = -2.18 dB mW/g

Date/Time: 03-07-2012

Test Laboratory: QuieTek Lab

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

DUT: Mobile Phone ; Type: HUAWEI U8832D-5

Communication System: GPRS/EGPRS-4 Slot; Communication System Band: PCS 1900; Duty Cycle: 1:2.1 ; Frequency: 1880 MHz; Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.51 \text{ mho/m}$; $\epsilon_r = 54.01$; $\rho = 1000 \text{ kg/m}^3$; 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)

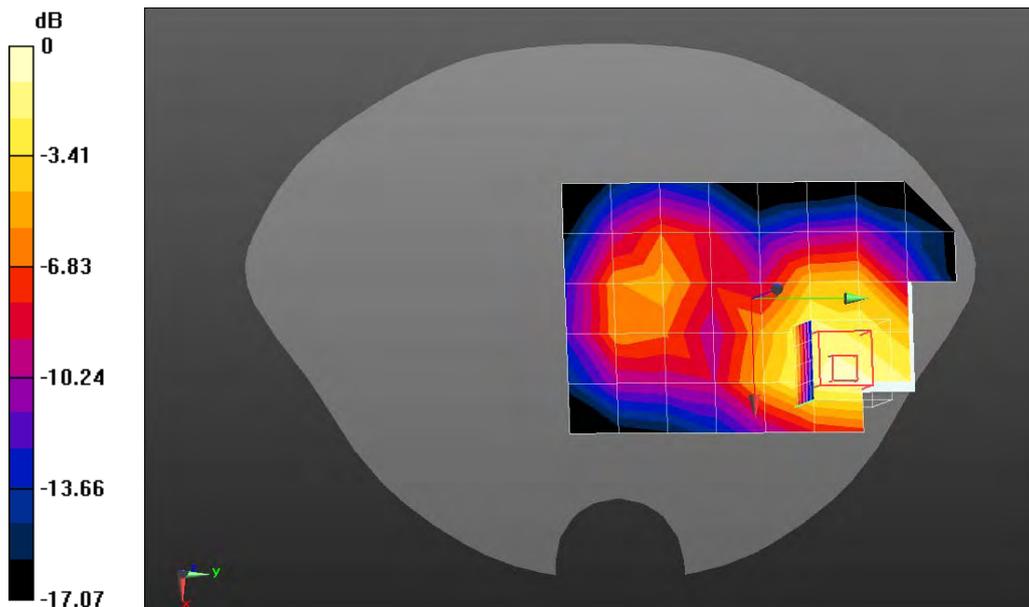
Configuration/GPRS1900 Mid Body-Back/Area Scan (6x9x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

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

Configuration/GPRS1900 Mid Body-Back/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$, Reference Value = 11.942 V/m; Power Drift = -0.01 dB

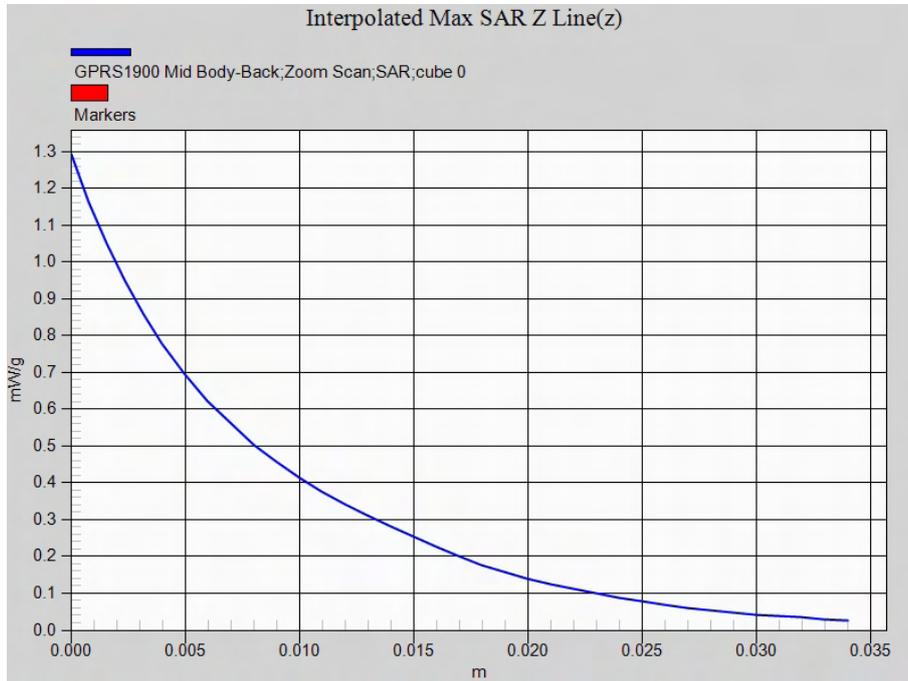
Peak SAR (extrapolated) = 1.294 mW/g

SAR(1 g) = 0.729 mW/g; SAR(10 g) = 0.426 mW/g Maximum value of SAR (measured) = 0.789 mW/g



0 dB = 0.789 mW/g = -2.06 dB mW/g

Z-Axis Plot



Date/Time: 03-07-2012

Test Laboratory: QuieTek Lab

WCDMA Band II Mid Touch-Left

DUT: Mobile Phone ; Type: HUAWEI U8832D-5

Communication System: UMTS; Communication System Band: Band II UTRA/FDD; Duty Cycle: 1:1; Frequency: 1880 MHz; Medium parameters used: $f = 1880$ MHz; $\sigma = 1.43$ mho/m; $\epsilon_r = 39.97$; $\rho = 1000$ kg/m³; Phantom section: Left Section

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

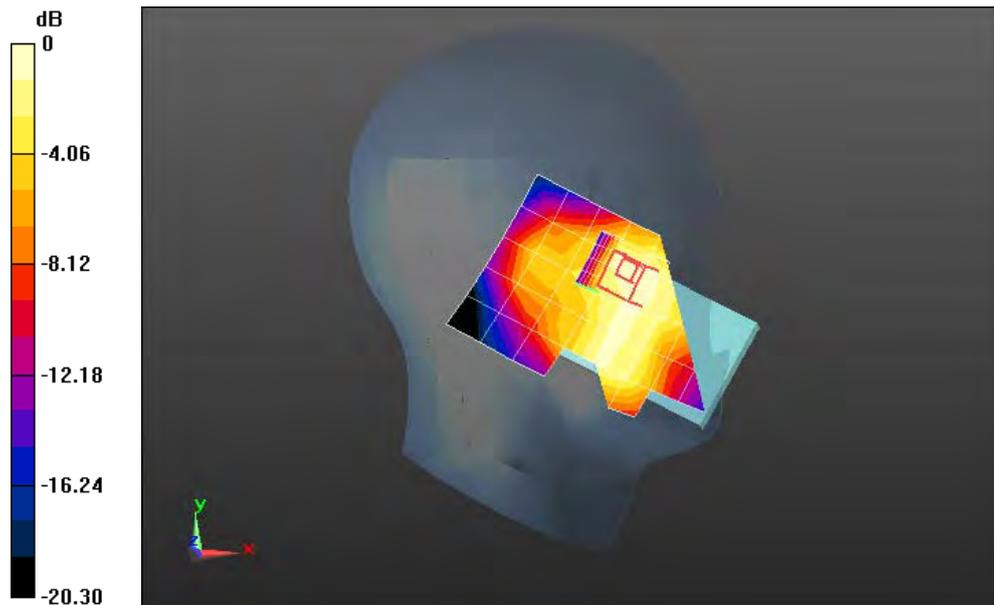
DASY5 Configuration:

- 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/WCDMA Band II Mid Touch-Left/Area Scan (6x9x1): Measurement grid: dx=20mm, dy=20mm, Maximum value of SAR (measured) = 0.280 mW/g

Configuration/WCDMA Band II Mid Touch-Left/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm, Reference Value = 8.284 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 0.489 mW/g

SAR(1 g) = 0.294 mW/g; SAR(10 g) = 0.181 mW/g Maximum value of SAR (measured) = 0.312 mW/g



0 dB = 0.312 mW/g = -10.12 dB mW/g

Date/Time: 03-07-2012

Test Laboratory: QuieTek Lab

WCDMA Band II Mid Tilt-Left

DUT: Mobile Phone ; Type: HUAWEI U8832D-5

Communication System: UMTS; Communication System Band: Band II UTRA/FDD; Duty Cycle: 1:1;
 Frequency: 1880 MHz; Medium parameters used: $f = 1880$ MHz; $\sigma = 1.43$ mho/m; $\epsilon_r = 39.97$; $\rho = 1000$ kg/m³; Phantom section: Left Section

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

DASY5 Configuration:

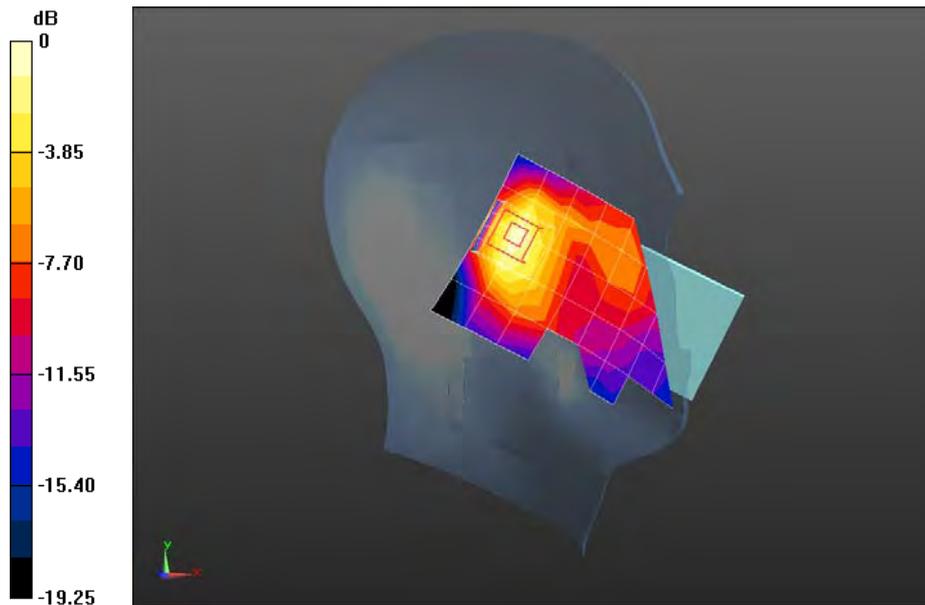
- Probe: EX3DV4 - SN3710; ConvF(8.16, 8.16, 8.16); Calibrated: 12/03/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 23/01/2012
- Phantom: SAM1; Type: SAM; Serial: TP1561
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

Configuration/WCDMA Band II Mid Tilt-Left/Area Scan (6x9x1): Measurement grid: dx=20mm, dy=20mm, Maximum value of SAR (measured) = 0.317 mW/g

Configuration/WCDMA Band II Mid Tilt-Left/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm, Reference Value = 13.936 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.488 mW/g

SAR(1 g) = 0.287 mW/g; SAR(10 g) = 0.160 mW/g Maximum value of SAR (measured) = 0.309 mW/g



0 dB = 0.309 mW/g = -10.20 dB mW/g

Date/Time: 03-07-2012

Test Laboratory: QuieTek Lab

WCDMA Band II Mid Touch-Right

DUT: Mobile Phone ; Type: HUAWEI U8832D-5

Communication System: UMTS; Communication System Band: Band II UTRA/FDD; Duty Cycle: 1:1; Frequency: 1880 MHz; Medium parameters used: $f = 1880$ MHz; $\sigma = 1.43$ mho/m; $\epsilon_r = 39.97$; $\rho = 1000$ kg/m³; Phantom section: Right Section

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

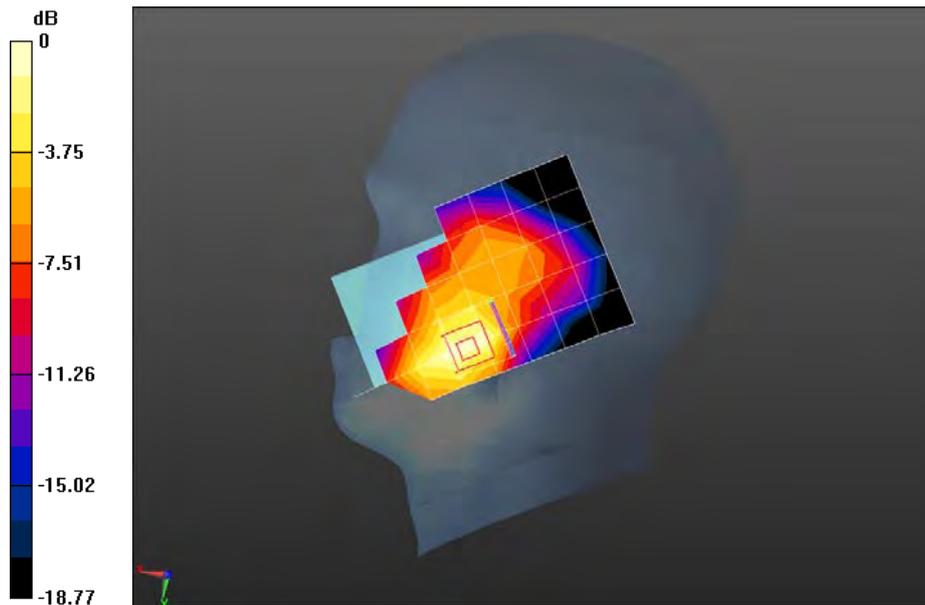
DASY5 Configuration:

- 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/WCDMA Band II Mid Touch-Right/Area Scan (6x9x1): Measurement grid: dx=20mm, dy=20mm, Maximum value of SAR (measured) = 0.669 mW/g

Configuration/WCDMA Band II Mid Touch-Right/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm, Reference Value = 6.730 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 1.143 mW/g

SAR(1 g) = 0.668 mW/g; SAR(10 g) = 0.392 mW/g Maximum value of SAR (measured) = 0.694 mW/g



0 dB = 0.694 mW/g = -3.17 dB mW/g

Date/Time: 03-07-2012

Test Laboratory: QuieTek Lab

WCDMA Band II Mid Tilt-Right

DUT: Mobile Phone ; Type: HUAWEI U8832D-5

Communication System: UMTS; Communication System Band: Band II UTRA/FDD; Duty Cycle: 1:1; Frequency: 1880 MHz; Medium parameters used: $f = 1880$ MHz; $\sigma = 1.43$ mho/m; $\epsilon_r = 39.97$; $\rho = 1000$ kg/m³; Phantom section: Right Section

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

DASY5 Configuration:

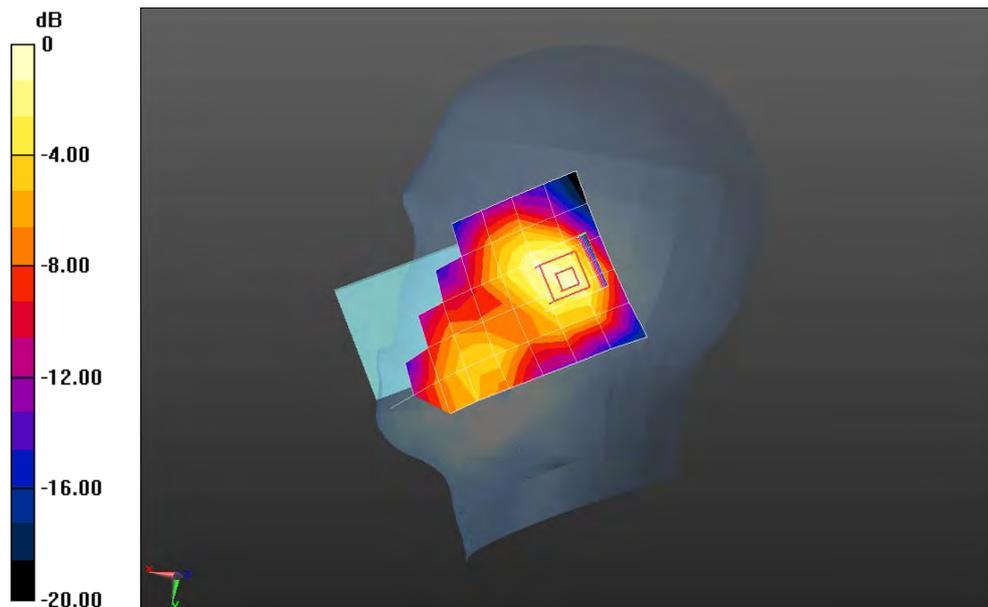
- Probe: EX3DV4 - SN3710; ConvF(8.16, 8.16, 8.16); Calibrated: 12/03/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 23/01/2012
- Phantom: SAM1; Type: SAM; Serial: TP1561
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

Configuration/WCDMA Band II Mid Tilt-Right/Area Scan (6x9x1): Measurement grid: dx=20mm, dy=20mm, Maximum value of SAR (measured) = 0.238 mW/g

Configuration/WCDMA Band II Mid Tilt-Right/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm, Reference Value = 12.478 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 0.455 mW/g

SAR(1 g) = 0.269 mW/g; SAR(10 g) = 0.158 mW/g Maximum value of SAR (measured) = 0.288 mW/g



0 dB = 0.288 mW/g = -10.81 dB mW/g

Date/Time: 03-07-2012

Test Laboratory: QuieTek Lab

WCDMA Band II Mid Body-Back

DUT: Mobile Phone ; Type: HUAWEI U8832D-5

Communication System: UMTS; Communication System Band: Band II UTRA/FDD; Duty Cycle: 1:1;
 Frequency: 1880 MHz; Medium parameters used: $f = 1880$ MHz; $\sigma = 1.51$ mho/m; $\epsilon_r = 54.01$; $\rho = 1000$ kg/m³; Phantom section: Flat Section

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

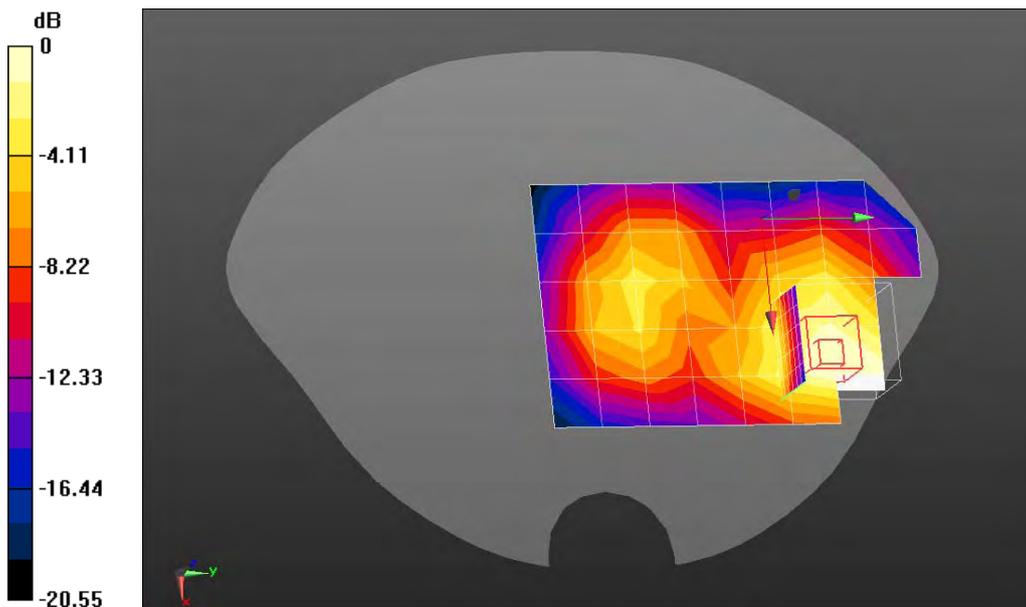
DASY5 Configuration:

- 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/WCDMA Band II Mid Body-Back/Area Scan (6x9x1): Measurement grid: dx=20mm, dy=20mm, Maximum value of SAR (measured) = 0.706 mW/g

Configuration/WCDMA Band II Mid Body-Back/Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm, Reference Value = 12.156 V/m; Power Drift = -0.14 dB
 Peak SAR (extrapolated) = 1.193 mW/g

SAR(1 g) = 0.703 mW/g; SAR(10 g) = 0.417 mW/g Maximum value of SAR (measured) = 0.759 mW/g



0 dB = 0.759 mW/g = -2.40 dB mW/g

Date/Time: 03-07-2012

Date/Time: 25/06/2012 04:57:17 PM

Test Laboratory: QuieTek Lab

WCDMA Band II Low Body-Back(with headset)

DUT: Mobile Phone ; Type: HUAWEI U8832D-5

Communication System: UMTS; Communication System Band: Band II UTRA/FDD; Duty Cycle: 1:1;

Frequency: 1852.4 MHz; Medium parameters used: $f = 1852.4$ MHz; $\sigma = 1.48$ mho/m; $\epsilon_r = 54.15$; $\rho = 1000$ kg/m³; Phantom section: Flat Section

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

DASY5 Configuration:

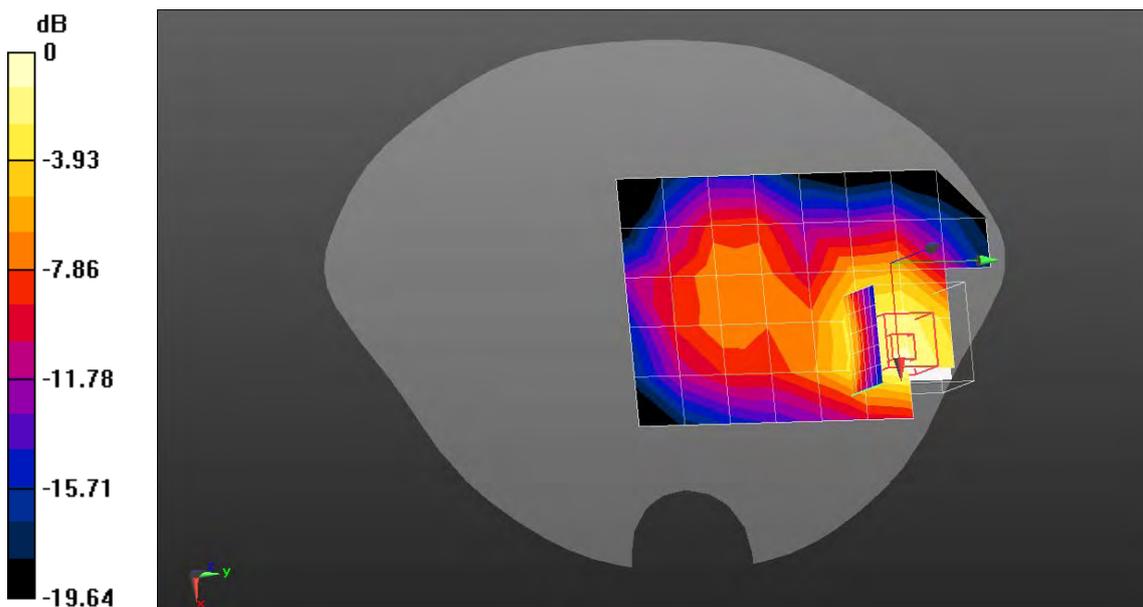
- Probe: EX3DV4 - SN3710; ConvF(7.43, 7.43, 7.43); Calibrated: 12/03/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 23/01/2012
- Phantom: SAM2; Type: SAM; Serial: TP1562
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

Configuration/WCDMA Band II Low Body-Back/Area Scan (6x9x1): Measurement grid: dx=20mm, dy=20mm, Maximum value of SAR (measured) = 0.939 mW/g

Configuration/WCDMA Band II Low Body-Back/Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm, Reference Value = 10.117 V/m; Power Drift = 0.05 dB

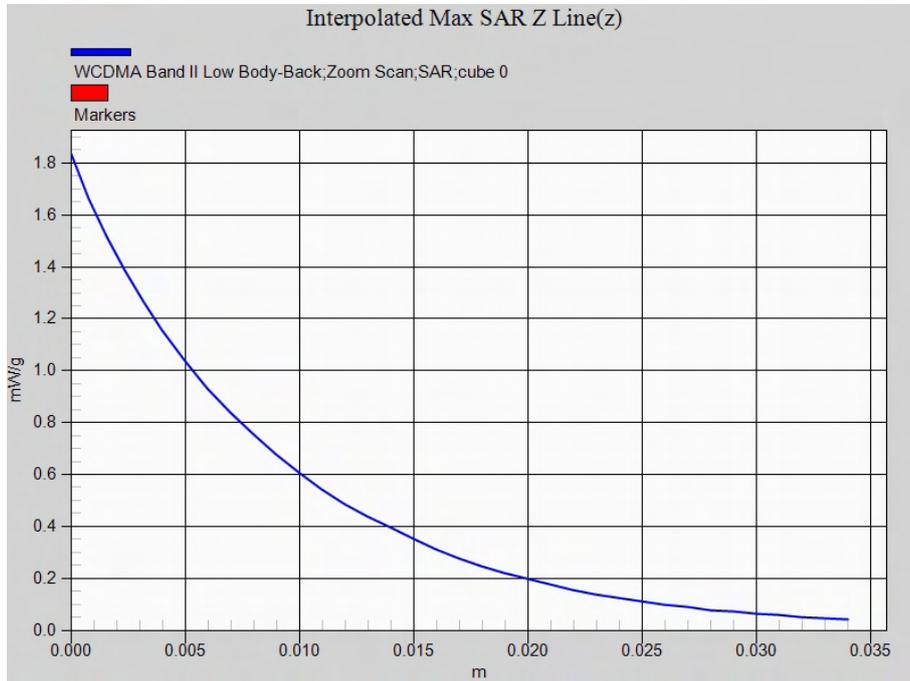
Peak SAR (extrapolated) = 1.837 mW/g

SAR(1 g) = 1.06 mW/g; SAR(10 g) = 0.601 mW/g Maximum value of SAR (measured) = 1.14 mW/g



0 dB = 1.14 mW/g = 1.14 dB mW/g

Z-Axis Plot



Date/Time: 03-07-2012

Test Laboratory: QuieTek Lab

WCDMA Band II Mid Body-Back(with headset)

DUT: Mobile Phone ; Type: HUAWEI U8832D-5

Communication System: UMTS; Communication System Band: Band II UTRA/FDD; Duty Cycle: 1:1;
 Frequency: 1880 MHz; Medium parameters used: $f = 1880$ MHz; $\sigma = 1.51$ mho/m; $\epsilon_r = 54.01$; $\rho = 1000$ kg/m³; Phantom section: Flat Section

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

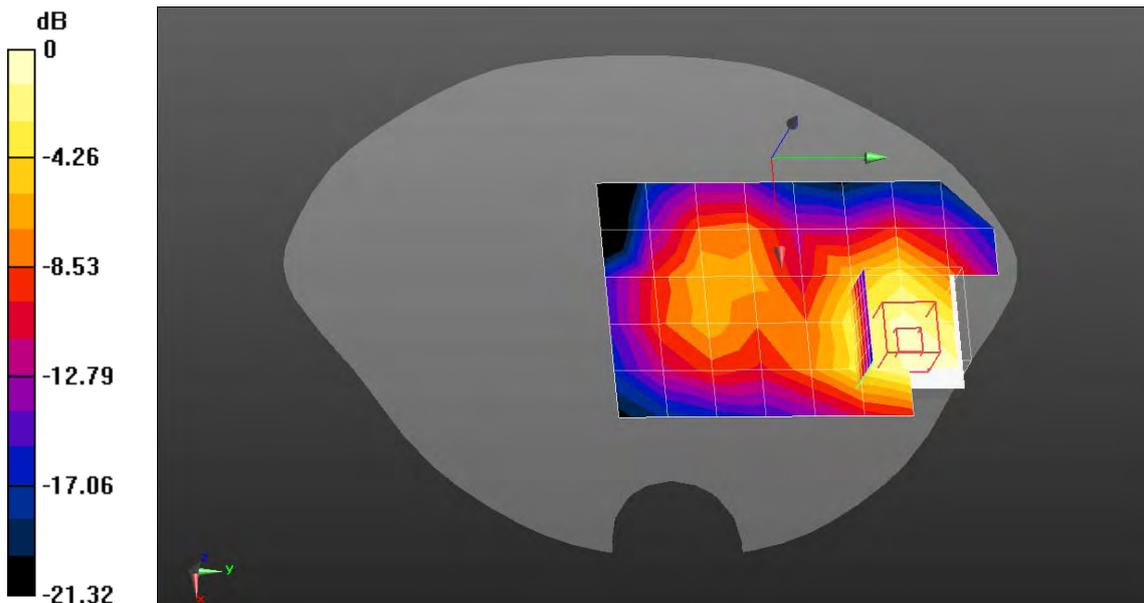
DASY5 Configuration:

- 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/WCDMA Band II Mid Body-Back/Area Scan (6x9x1): Measurement grid: dx=20mm, dy=20mm, Maximum value of SAR (measured) = 0.884 mW/g

Configuration/WCDMA Band II Mid Body-Back/Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm, Reference Value = 9.757 V/m; Power Drift = -0.12 dB
 Peak SAR (extrapolated) = 1.682 mW/g

SAR(1 g) = 0.973 mW/g; SAR(10 g) = 0.560 mW/g Maximum value of SAR (measured) = 1.06 mW/g



0 dB = 1.06 mW/g = 0.51 dB mW/g

Date/Time: 03-07-2012

Test Laboratory: QuieTek Lab

WCDMA Band II High Body-Back(with headset)

DUT: Mobile Phone ; Type: HUAWEI U8832D-5

Communication System: UMTS; Communication System Band: Band II UTRA/FDD; Duty Cycle: 1:1;

Frequency: 1907.6 MHz; Medium parameters used: $f = 1907.6$ MHz; $\sigma = 1.55$ mho/m; $\epsilon_r = 53.91$; $\rho = 1000$ kg/m³; Phantom section: Flat Section

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

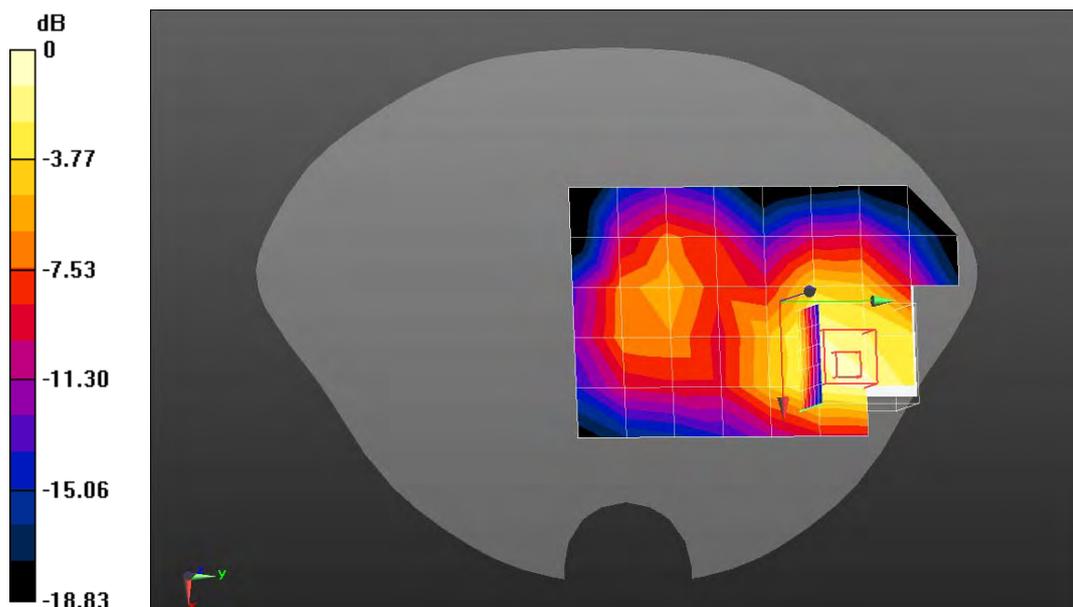
DASY5 Configuration:

- 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/WCDMA Band II High Body-Back/Area Scan (6x9x1): Measurement grid: dx=20mm, dy=20mm, Maximum value of SAR (measured) = 0.735 mW/g

Configuration/WCDMA Band II High Body-Back/Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm, Reference Value = 11.529 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 1.437 mW/g

SAR(1 g) = 0.830 mW/g; SAR(10 g) = 0.482 mW/g Maximum value of SAR (measured) = 0.881 mW/g



0 dB = 0.881 mW/g = -1.10 dB mW/g

Date/Time: 03-07-2012

Test Laboratory: QuieTek Lab

WCDMA Band II Mid Body-Front(with headset)

DUT: Mobile Phone ; Type: HUAWEI U8832D-5

Communication System: UMTS; Communication System Band: Band II UTRA/FDD; Duty Cycle: 1:1;
 Frequency: 1880 MHz; Medium parameters used: $f = 1880$ MHz; $\sigma = 1.51$ mho/m; $\epsilon_r = 54.01$; $\rho = 1000$ kg/m³; Phantom section: Flat Section

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

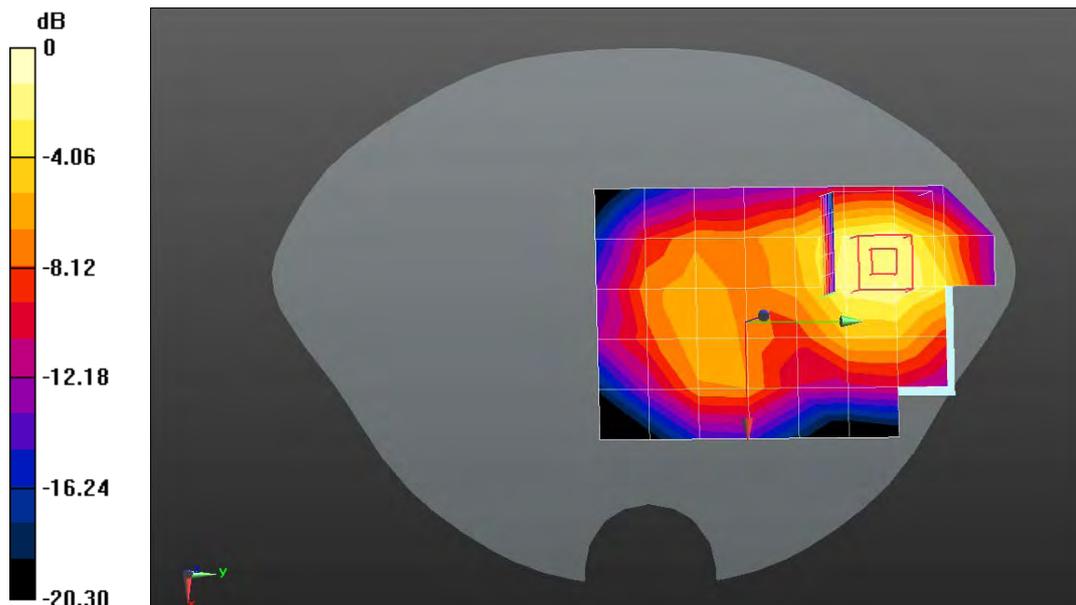
DASY5 Configuration:

- 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/WCDMA Band II Mid Body-Front/Area Scan (6x9x1): Measurement grid: dx=20mm, dy=20mm, Maximum value of SAR (measured) = 0.773 mW/g

Configuration/WCDMA Band II Mid Body-Front/Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm, Reference Value = 11.000 V/m; Power Drift = -0.06 dB
 Peak SAR (extrapolated) = 1.620 mW/g

SAR(1 g) = 0.965 mW/g; SAR(10 g) = 0.553 mW/g Maximum value of SAR (measured) = 1.04 mW/g



0 dB = 1.04 mW/g = 0.34 dB mW/g

Date/Time: 03-07-2012

Test Laboratory: QuieTek Lab

WCDMA Band II Mid Body-Bottom

DUT: Mobile Phone ; Type: HUAWEI U8832D-5

Communication System: UMTS; Communication System Band: Band II UTRA/FDD; Duty Cycle: 1:1;
 Frequency: 1880 MHz; Medium parameters used: $f = 1880$ MHz; $\sigma = 1.51$ mho/m; $\epsilon_r = 54.01$; $\rho = 1000$ kg/m³; Phantom section: Flat Section

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

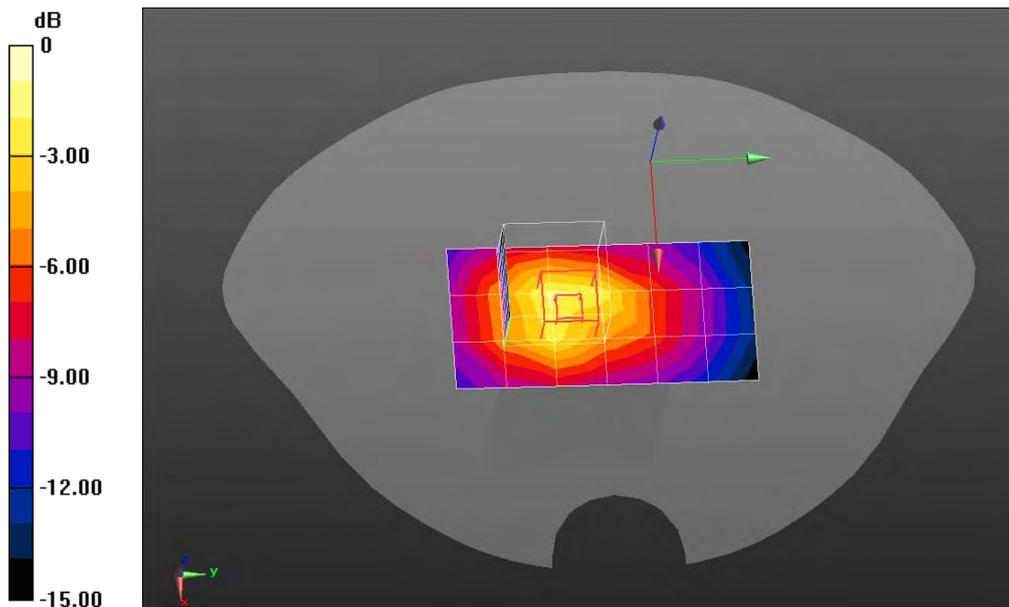
DASY5 Configuration:

- 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/WCDMA Band II Mid Body-Bottom/Area Scan (4x7x1): Measurement grid: dx=20mm, dy=20mm, Maximum value of SAR (measured) = 0.290 mW/g

Configuration/WCDMA Band II Mid Body-Bottom/Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm, Reference Value = 14.184 V/m; Power Drift = 0.04 dB
 Peak SAR (extrapolated) = 0.663 mW/g

SAR(1 g) = 0.388 mW/g; SAR(10 g) = 0.211 mW/g Maximum value of SAR (measured) = 0.419 mW/g



0 dB = 0.419 mW/g = -7.56 dB mW/g

Date/Time: 03-07-2012

Test Laboratory: QuieTek Lab

WCDMA Band II Mid Body-Right side

DUT: Mobile Phone ; Type: HUAWEI U8832D-5

Communication System: UMTS; Communication System Band: Band II UTRA/FDD; Duty Cycle: 1:1;
 Frequency: 1880 MHz; Medium parameters used: $f = 1880$ MHz; $\sigma = 1.51$ mho/m; $\epsilon_r = 54.01$; $\rho = 1000$ kg/m³; 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)

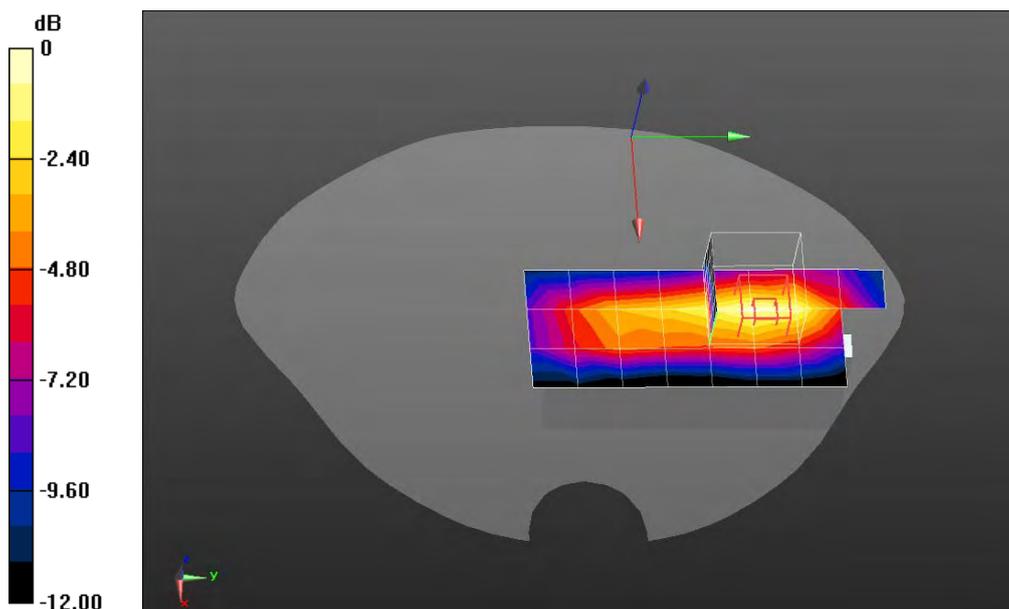
Configuration/WCDMA Band II Mid Body-Right side/Area Scan (4x9x1): Measurement grid: dx=20mm, dy=20mm, Maximum value of SAR (measured) = 0.436 mW/g

Configuration/WCDMA Band II Mid Body-Right side/Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.979 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.748 mW/g

SAR(1 g) = 0.429 mW/g; SAR(10 g) = 0.239 mW/g Maximum value of SAR (measured) = 0.467 mW/g



0 dB = 0.467 mW/g = -6.61 dB mW/g

Date/Time: 03-07-2012

Test Laboratory: QuieTek Lab

WCDMA Band II Mid Body-Left side

DUT: Mobile Phone ; Type: HUAWEI U8832D-5

Communication System: UMTS; Communication System Band: Band II UTRA/FDD; Duty Cycle: 1:1;
 Frequency: 1880 MHz; Medium parameters used: $f = 1880$ MHz; $\sigma = 1.51$ mho/m; $\epsilon_r = 54.01$; $\rho = 1000$ kg/m³; Phantom section: Flat Section

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

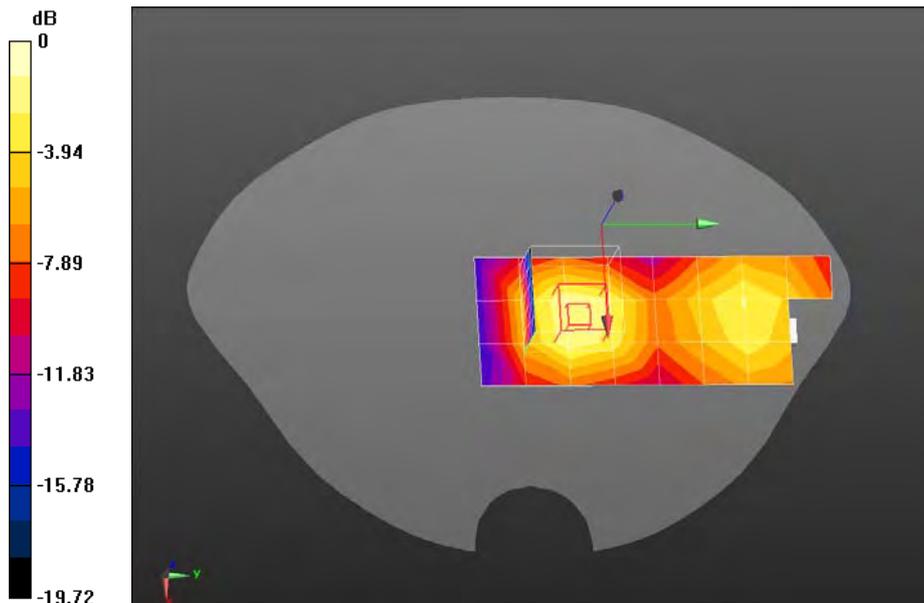
DASY5 Configuration:

- 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/WCDMA Band II Mid Body-Left side/Area Scan (4x9x1): Measurement grid: dx=20mm, dy=20mm, Maximum value of SAR (measured) = 0.150 mW/g

Configuration/WCDMA Band II Mid Body-Left side/Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm, Reference Value = 6.971 V/m; Power Drift = 0.09 dB
 Peak SAR (extrapolated) = 0.300 mW/g

SAR(1 g) = 0.180 mW/g; SAR(10 g) = 0.104 mW/g Maximum value of SAR (measured) = 0.198 mW/g



0 dB = 0.198 mW/g = -14.07 dB mW/g

Date/Time: 03-07-2012

Test Laboratory: QuieTek Lab

WCDMA Band II Low Body-Back(with headset)(with battery #2)

DUT: Mobile Phone ; Type: HUAWEI U8832D-5

Communication System: UMTS; Communication System Band: Band II UTRA/FDD; Duty Cycle: 1:1;

Frequency: 1852.4 MHz; Medium parameters used: $f = 1852.4$ MHz; $\sigma = 1.48$ mho/m; $\epsilon_r = 54.15$; $\rho = 1000$ kg/m³; 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)

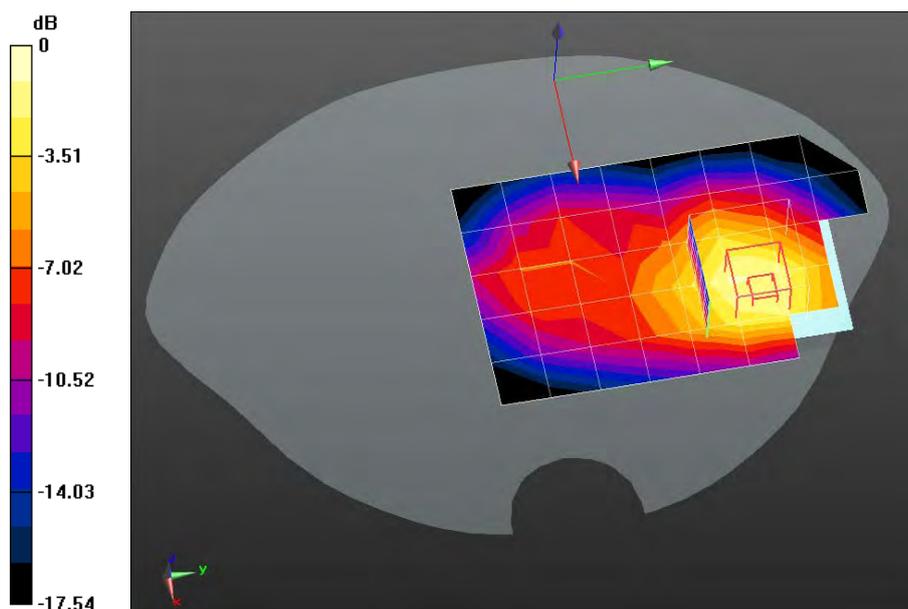
Configuration/WCDMA Band II Low Body-Back/Area Scan (6x9x1): Measurement grid: dx=20mm, dy=20mm, Maximum value of SAR (measured) = 0.748 mW/g

Configuration/WCDMA Band II Low Body-Back/Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.618 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 1.476 mW/g

SAR(1 g) = 0.862 mW/g; SAR(10 g) = 0.499 mW/g Maximum value of SAR (measured) = 0.941 mW/g



0 dB = 0.941 mW/g = -0.53 dB mW/g

Date/Time: 03-07-2012

Test Laboratory: QuieTek Lab

WCDMA Band II Low Body-Back(with headset)(with battery #3)

DUT: Mobile Phone ; Type: HUAWEI U8832D-5

Communication System: UMTS; Communication System Band: Band II UTRA/FDD; Duty Cycle: 1:1;

Frequency: 1852.4 MHz; Medium parameters used: $f = 1852.4$ MHz; $\sigma = 1.48$ mho/m; $\epsilon_r = 54.15$; $\rho = 1000$ kg/m³; 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)

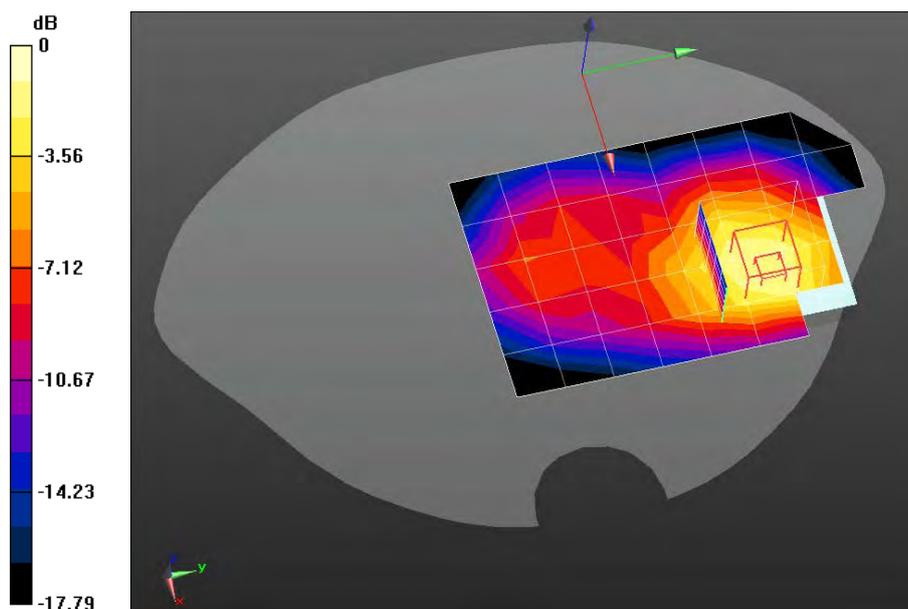
Configuration/WCDMA Band II Low Body-Back/Area Scan (6x9x1): Measurement grid: dx=20mm, dy=20mm, Maximum value of SAR (measured) = 0.822 mW/g

Configuration/WCDMA Band II Low Body-Back/Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.859 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 1.696 mW/g

SAR(1 g) = 0.983 mW/g; SAR(10 g) = 0.566 mW/g Maximum value of SAR (measured) = 1.07 mW/g



0 dB = 1.07 mW/g = 0.59 dB mW/g

Date/Time: 02-07-2012

Test Laboratory: QuieTek Lab

WCDMA Band V Mid Touch-Left

DUT: Mobile Phone ; Type: HUAWEI U8832D-5

Communication System: UMTS; Communication System Band: Band V UTRA/FDD; Duty Cycle: 1:1;
 Frequency: 836.4 MHz; Medium parameters used: $f = 836.4$ MHz; $\sigma = 0.88$ mho/m; $\epsilon_r = 41.11$; $\rho = 1000$ kg/m³; 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: SAM2; Type: SAM; Serial: TP1562
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

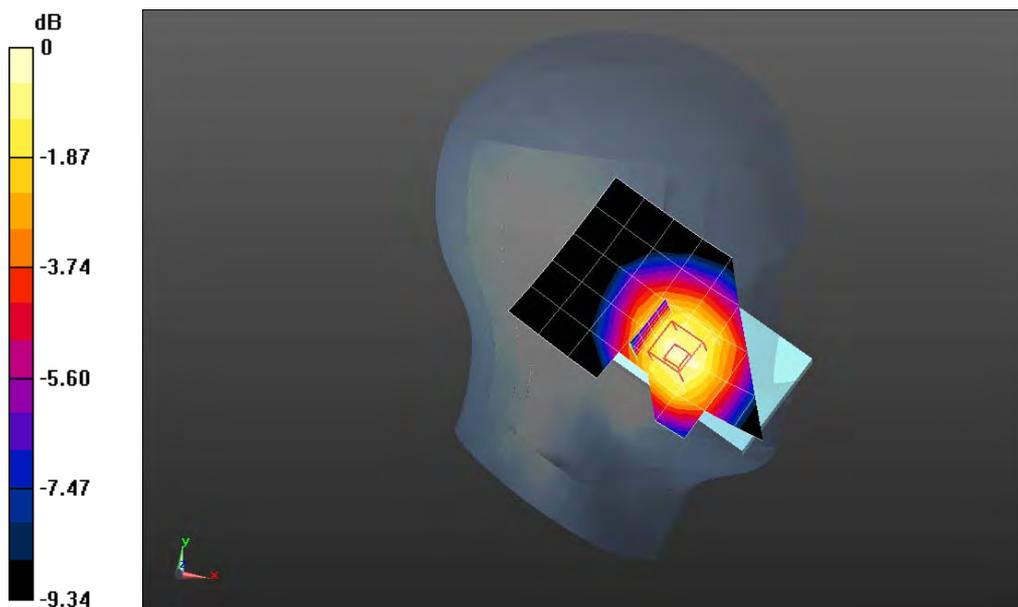
Configuration/WCDMA Band V Mid Touch-Left/Area Scan (6x9x1): Measurement grid: dx=20mm, dy=20mm, Maximum value of SAR (measured) = 0.235 mW/g

Configuration/WCDMA Band V Mid Touch-Left/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.306 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.297 mW/g

SAR(1 g) = 0.241 mW/g; SAR(10 g) = 0.183 mW/g Maximum value of SAR (measured) = 0.251 mW/g



0 dB = 0.251 mW/g = -12.01 dB mW/g

Date/Time: 02-07-2012

Test Laboratory: QuieTek Lab

WCDMA Band V Mid Tilt-Left

DUT: Mobile Phone ; Type: HUAWEI U8832D-5

Communication System: UMTS; Communication System Band: Band V UTRA/FDD; Duty Cycle: 1:1;
 Frequency: 836.4 MHz; Medium parameters used: $f = 836.4$ MHz; $\sigma = 0.88$ mho/m; $\epsilon_r = 41.11$; $\rho = 1000$ kg/m³; 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: SAM2; Type: SAM; Serial: TP1562
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

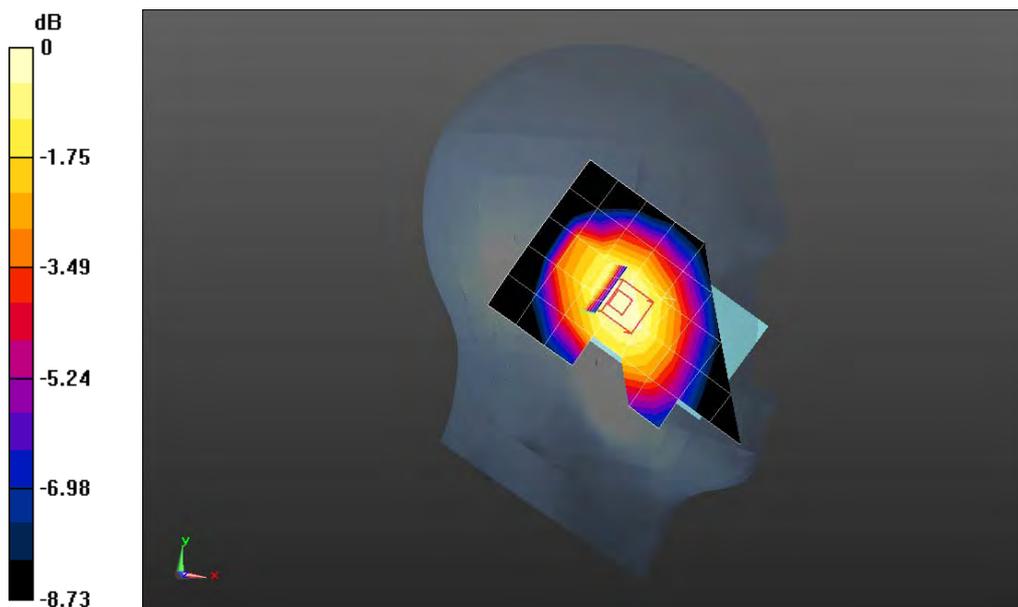
Configuration/WCDMA Band V Mid Tilt-Left/Area Scan (6x9x1): Measurement grid: dx=20mm, dy=20mm

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

Configuration/WCDMA Band V Mid Tilt-Left/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm, Reference Value = 10.073 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 0.181 mW/g

SAR(1 g) = 0.149 mW/g; SAR(10 g) = 0.115 mW/g Maximum value of SAR (measured) = 0.155 mW/g



0 dB = 0.155 mW/g = -16.19 dB mW/g

Date/Time: 02-07-2012

Test Laboratory: QuieTek Lab

WCDMA Band V Mid Touch-Right

DUT: Mobile Phone ; Type: HUAWEI U8832D-5

Communication System: UMTS; Communication System Band: Band V UTRA/FDD; Duty Cycle: 1:1;
 Frequency: 836.4 MHz; Medium parameters used: $f = 836.4$ MHz; $\sigma = 0.88$ mho/m; $\epsilon_r = 41.11$; $\rho = 1000$ kg/m³; 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: SAM2; Type: SAM; Serial: TP1562
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

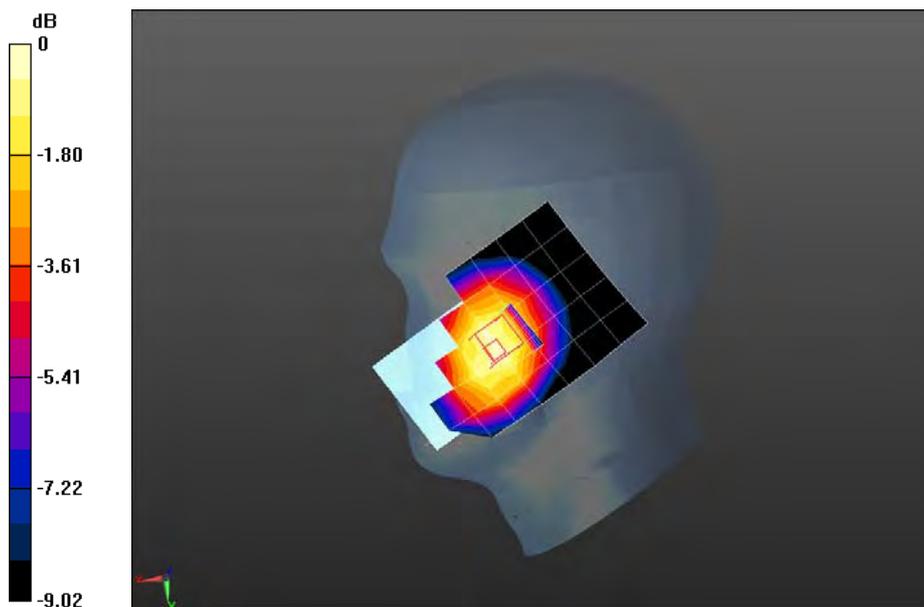
Configuration/WCDMA Band V Mid Touch-Right/Area Scan (6x9x1): Measurement grid: dx=20mm, dy=20mm, Maximum value of SAR (measured) = 0.232 mW/g

Configuration/WCDMA Band V Mid Touch-Right/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.907 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.287 mW/g

SAR(1 g) = 0.228 mW/g; SAR(10 g) = 0.172 mW/g Maximum value of SAR (measured) = 0.241 mW/g



0 dB = 0.241 mW/g = -12.36 dB mW/g

Date/Time: 02-07-2012

Test Laboratory: QuieTek Lab

WCDMA Band V Mid Tilt-Right

DUT: Mobile Phone ; Type: HUAWEI U8832D-5

Communication System: UMTS; Communication System Band: Band V UTRA/FDD; Duty Cycle: 1:1;
 Frequency: 836.4 MHz; Medium parameters used: $f = 836.4$ MHz; $\sigma = 0.88$ mho/m; $\epsilon_r = 41.11$; $\rho = 1000$ kg/m³; 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: SAM2; Type: SAM; Serial: TP1562
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

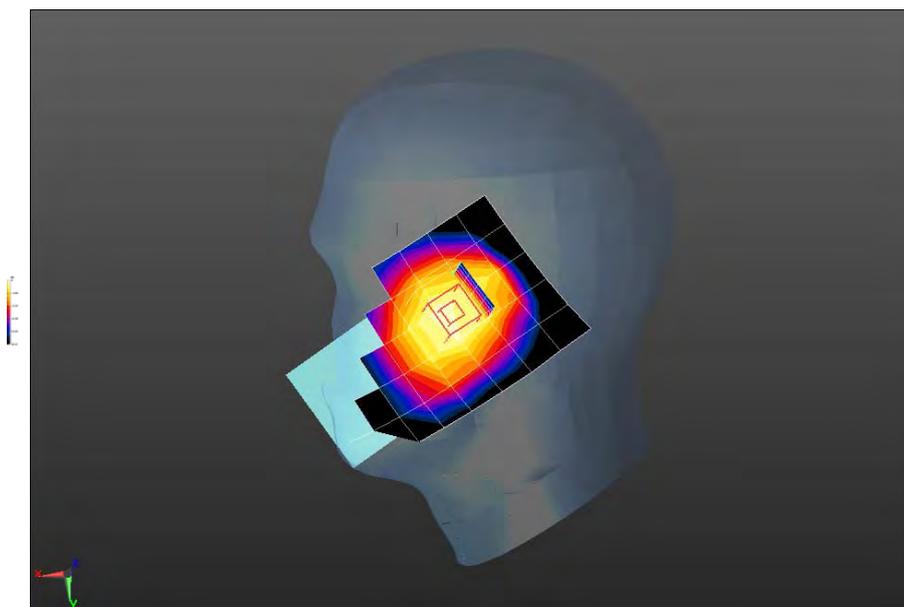
Configuration/WCDMA Band V Mid Tilt-Right/Area Scan (6x9x1): Measurement grid: dx=20mm, dy=20mm, Maximum value of SAR (measured) = 0.152 mW/g

Configuration/WCDMA Band V Mid Tilt-Right/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.393 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.181 mW/g

SAR(1 g) = 0.151 mW/g; SAR(10 g) = 0.117 mW/g Maximum value of SAR (measured) = 0.159 mW/g



0 dB = 0.159 mW/g = -15.97 dB mW/g

Date/Time: 02-07-2012

Test Laboratory: QuieTek Lab

WCDMA Band V Mid Body-Back

DUT: Mobile Phone ; Type: HUAWEI U8832D-5

Communication System: UMTS; Communication System Band: Band V UTRA/FDD; Duty Cycle: 1:1;
 Frequency: 836.4 MHz; Medium parameters used: $f = 836.4$ MHz; $\sigma = 0.98$ mho/m; $\epsilon_r = 52.95$; $\rho = 1000$ kg/m³; 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: SAM2; Type: SAM; Serial: TP1562
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

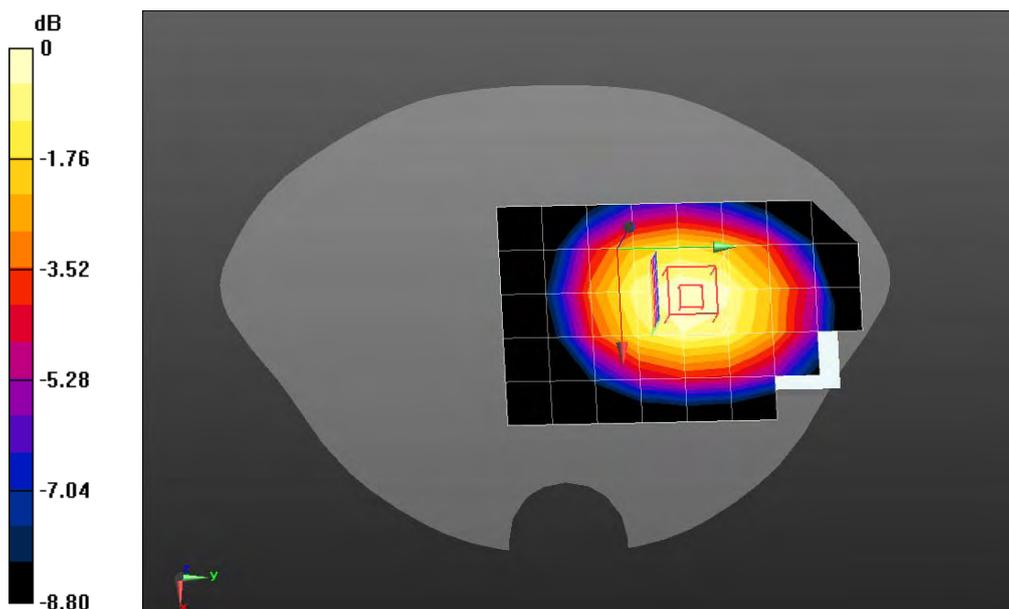
Configuration/WCDMA Band V Mid Body-Back/Area Scan (6x9x1): Measurement grid: dx=20mm, dy=20mm, Maximum value of SAR (measured) = 0.608 mW/g

Configuration/WCDMA Band V Mid Body-Back/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.537 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.744 mW/g

SAR(1 g) = 0.586 mW/g; SAR(10 g) = 0.442 mW/g Maximum value of SAR (measured) = 0.615 mW/g



0 dB = 0.615 mW/g = -4.22 dB mW/g

Date/Time: 02-07-2012

Test Laboratory: QuieTek Lab

WCDMA Band V Mid Body-Back(with headset)

DUT: Mobile Phone ; Type: HUAWEI U8832D-5

Communication System: UMTS; Communication System Band: Band V UTRA/FDD; Duty Cycle: 1:1;

Frequency: 836 MHz; Medium parameters used: $f = 836 \text{ MHz}$; $\sigma = 0.98 \text{ mho/m}$; $\epsilon_r = 52.95$; $\rho = 1000 \text{ kg/m}^3$;

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: SAM2; Type: SAM; Serial: TP1562
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

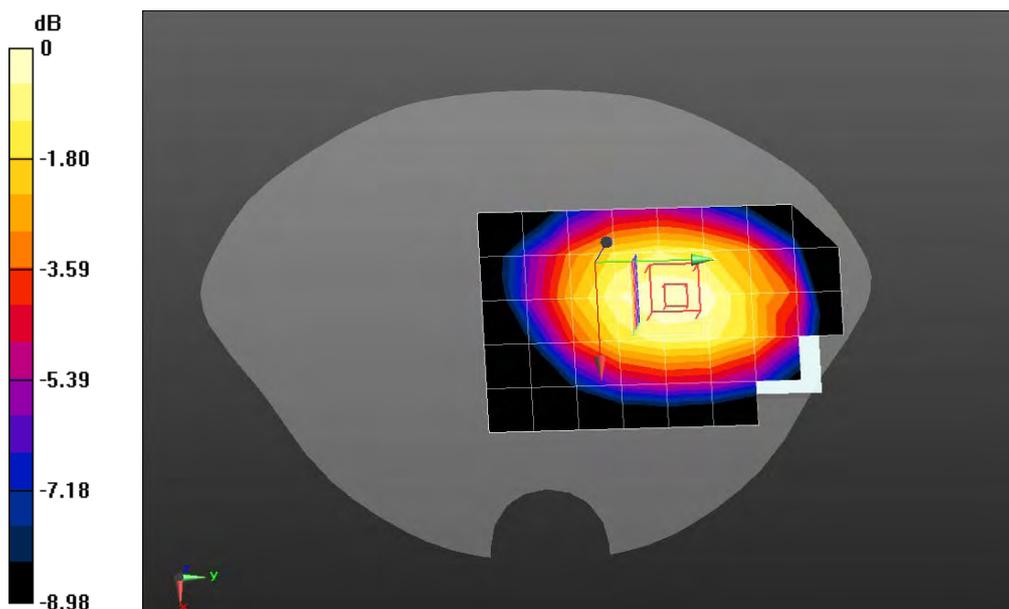
Configuration/WCDMA Band V Mid Body-Back/Area Scan (6x9x1): Measurement grid: dx=20mm, dy=20mm, Maximum value of SAR (measured) = 0.402 mW/g

Configuration/WCDMA Band V Mid Body-Back/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.459 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.491 mW/g

SAR(1 g) = 0.386 mW/g; SAR(10 g) = 0.291 mW/g Maximum value of SAR (measured) = 0.404 mW/g



0 dB = 0.404 mW/g = -7.87 dB mW/g

Date/Time: 02-07-2012

Test Laboratory: QuieTek Lab

WCDMA Band V Mid Body-Front

DUT: Mobile Phone ; Type: HUAWEI U8832D-5

Communication System: UMTS; Communication System Band: Band V UTRA/FDD; Duty Cycle: 1:1;
 Frequency: 836.4 MHz; Medium parameters used: $f = 836.4$ MHz; $\sigma = 0.98$ mho/m; $\epsilon_r = 52.95$; $\rho = 1000$ kg/m³; 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: SAM2; Type: SAM; Serial: TP1562
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

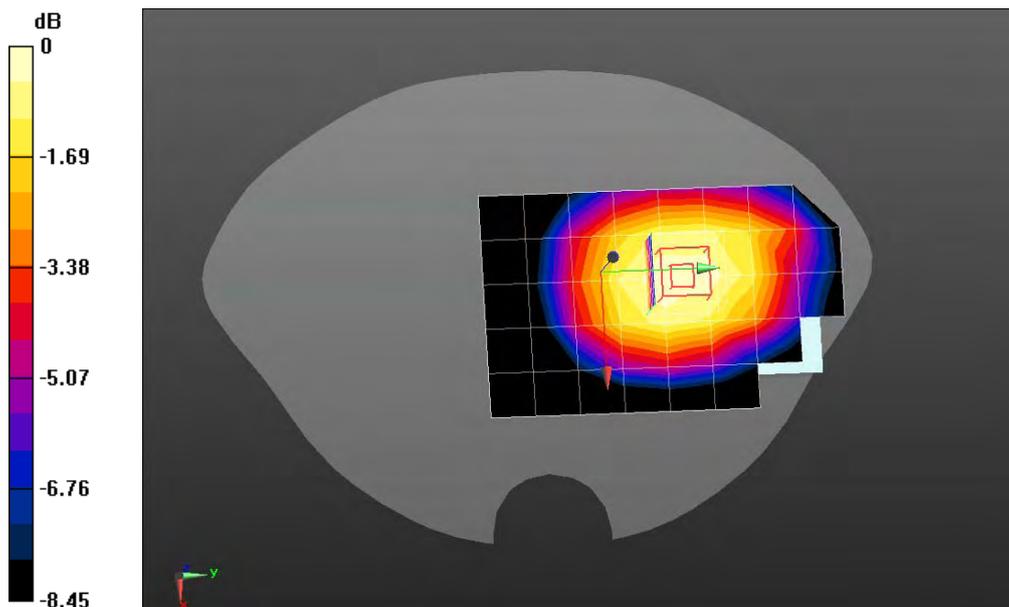
Configuration/WCDMA Band V Mid Body-Front/Area Scan (6x9x1): Measurement grid: dx=20mm, dy=20mm, Maximum value of SAR (measured) = 0.382 mW/g

Configuration/WCDMA Band V Mid Body-Front/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.404 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.464 mW/g

SAR(1 g) = 0.370 mW/g; SAR(10 g) = 0.281 mW/g Maximum value of SAR (measured) = 0.388 mW/g



0 dB = 0.388 mW/g = -8.22 dB mW/g

Date/Time: 02-07-2012

Test Laboratory: QuieTek Lab

WCDMA Band V Mid Body-Bottom

DUT: Mobile Phone ; Type: HUAWEI U8832D-5

Communication System: UMTS; Communication System Band: Band V UTRA/FDD; Duty Cycle: 1:1;

Frequency: 836 MHz; Medium parameters used: $f = 836 \text{ MHz}$; $\sigma = 0.98 \text{ mho/m}$; $\epsilon_r = 52.95$; $\rho = 1000 \text{ kg/m}^3$;

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: SAM2; Type: SAM; Serial: TP1562
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

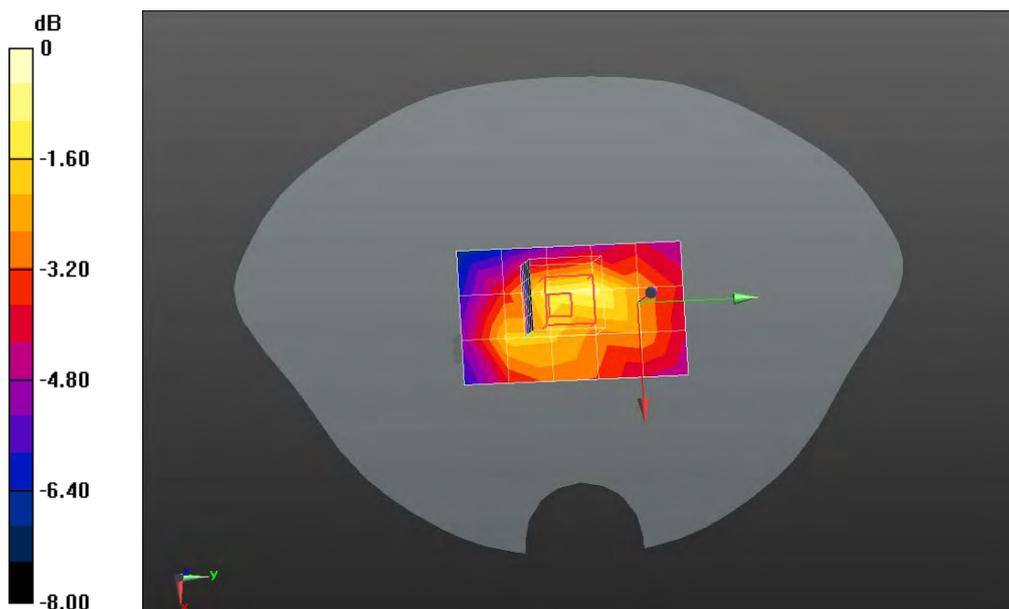
Configuration/WCDMA Band V Mid Body-Bottom/Area Scan (4x6x1): Measurement grid: dx=20mm, dy=20mm, Maximum value of SAR (measured) = 0.0358 mW/g

Configuration/WCDMA Band V Mid Body-Bottom/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.271 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 0.072 mW/g

SAR(1 g) = 0.039 mW/g; SAR(10 g) = 0.023 mW/g Maximum value of SAR (measured) = 0.0428 mW/g



0 dB = 0.0428 mW/g = -27.37 dB mW/g

Date/Time: 02-07-2012

Test Laboratory: QuieTek Lab

WCDMA Band V Mid Body-Right side

DUT: Mobile Phone ; Type: HUAWEI U8832D-5

Communication System: UMTS; Communication System Band: Band V UTRA/FDD; Duty Cycle: 1:1;
 Frequency: 836.4 MHz; Medium parameters used: $f = 836.4$ MHz; $\sigma = 0.98$ mho/m; $\epsilon_r = 52.95$; $\rho = 1000$ kg/m³; 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: SAM2; Type: SAM; Serial: TP1562
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

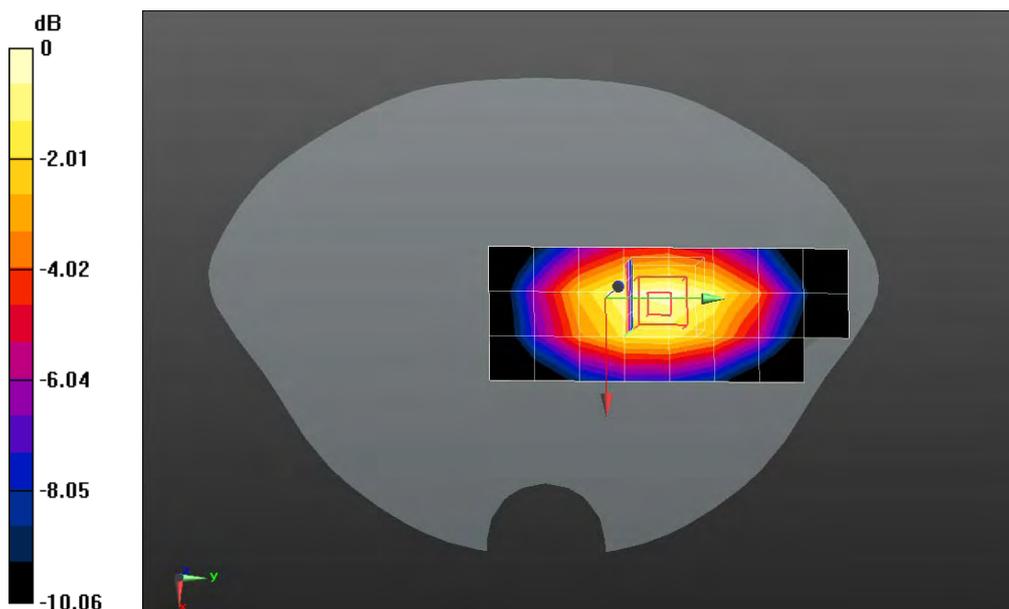
Configuration/WCDMA Band V Mid Body-Right side/Area Scan (4x9x1): Measurement grid: dx=20mm, dy=20mm, Maximum value of SAR (measured) = 0.405 mW/g

Configuration/WCDMA Band V Mid Body-Right side/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.856 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.579 mW/g

SAR(1 g) = 0.403 mW/g; SAR(10 g) = 0.273 mW/g Maximum value of SAR (measured) = 0.428 mW/g



0 dB = 0.428 mW/g = -7.37 dB mW/g

Date/Time: 02-07-2012

Test Laboratory: QuieTek Lab

WCDMA Band V Mid Body-Left side

DUT: Mobile Phone ; Type: HUAWEI U8832D-5

Communication System: UMTS; Communication System Band: Band V UTRA/FDD; Duty Cycle: 1:1;
 Frequency: 836.4 MHz; Medium parameters used: $f = 836.4$ MHz; $\sigma = 0.98$ mho/m; $\epsilon_r = 52.95$; $\rho = 1000$ kg/m³; 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: SAM2; Type: SAM; Serial: TP1562
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

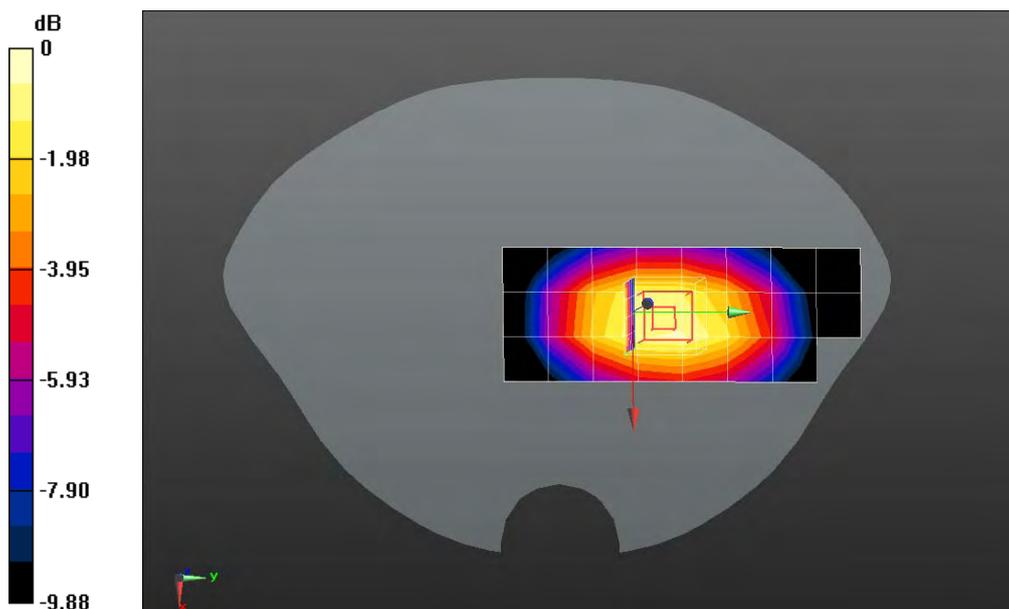
Configuration/WCDMA Band V Mid Body-Left side/Area Scan (4x9x1): Measurement grid: dx=20mm, dy=20mm, Maximum value of SAR (measured) = 0.341 mW/g

Configuration/WCDMA Band V Mid Body-Left side/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.108 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.520 mW/g

SAR(1 g) = 0.363 mW/g; SAR(10 g) = 0.249 mW/g Maximum value of SAR (measured) = 0.388 mW/g



0 dB = 0.388 mW/g = -8.22 dB mW/g

Date/Time: 02-07-2012

Test Laboratory: QuieTek Lab

WCDMA Band V Mid Body-Back(with battery #2)

DUT: Mobile Phone ; Type: HUAWEI U8832D-5

Communication System: UMTS; Communication System Band: Band V UTRA/FDD; Duty Cycle: 1:1;
 Frequency: 836.4 MHz; Medium parameters used: $f = 836.4$ MHz; $\sigma = 0.98$ mho/m; $\epsilon_r = 52.95$; $\rho = 1000$ kg/m³; 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: SAM2; Type: SAM; Serial: TP1562
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

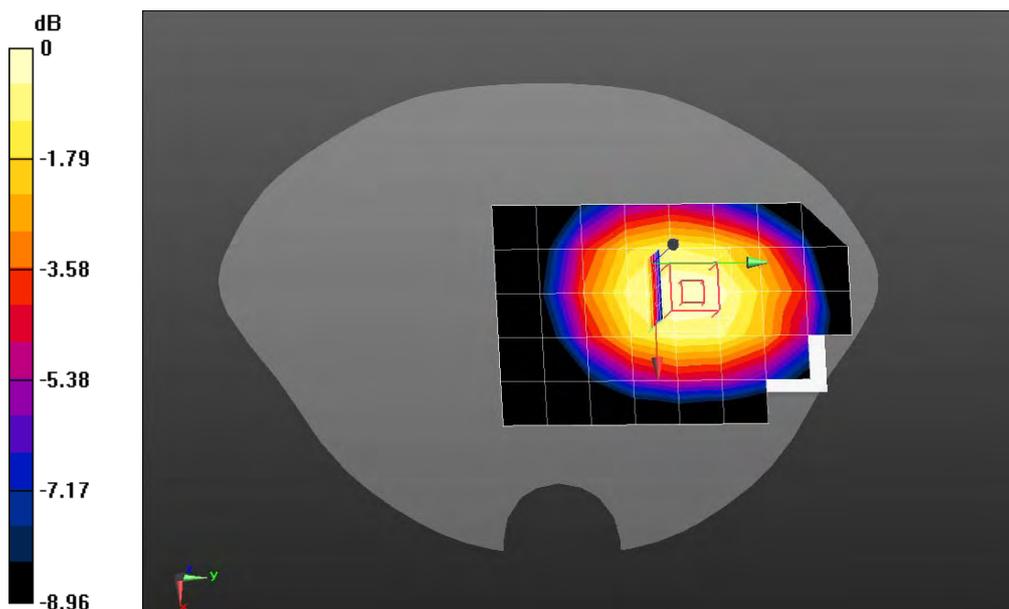
Configuration/WCDMA Band V Mid Body-Back/Area Scan (6x9x1): Measurement grid: dx=20mm, dy=20mm, Maximum value of SAR (measured) = 0.599 mW/g

Configuration/WCDMA Band V Mid Body-Back/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.664 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.732 mW/g

SAR(1 g) = 0.577 mW/g; SAR(10 g) = 0.435 mW/g Maximum value of SAR (measured) = 0.603 mW/g



0 dB = 0.603 mW/g = -4.39 dB mW/g

Date/Time: 02-07-2012

Test Laboratory: QuieTek Lab

WCDMA Band V Mid Body-Back(with battery #3)

DUT: Mobile Phone ; Type: HUAWEI U8832D-5

Communication System: UMTS; Communication System Band: Band V UTRA/FDD; Duty Cycle: 1:1;
 Frequency: 836.4 MHz; Medium parameters used: $f = 836.4$ MHz; $\sigma = 0.98$ mho/m; $\epsilon_r = 52.95$; $\rho = 1000$ kg/m³; 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: SAM2; Type: SAM; Serial: TP1562
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

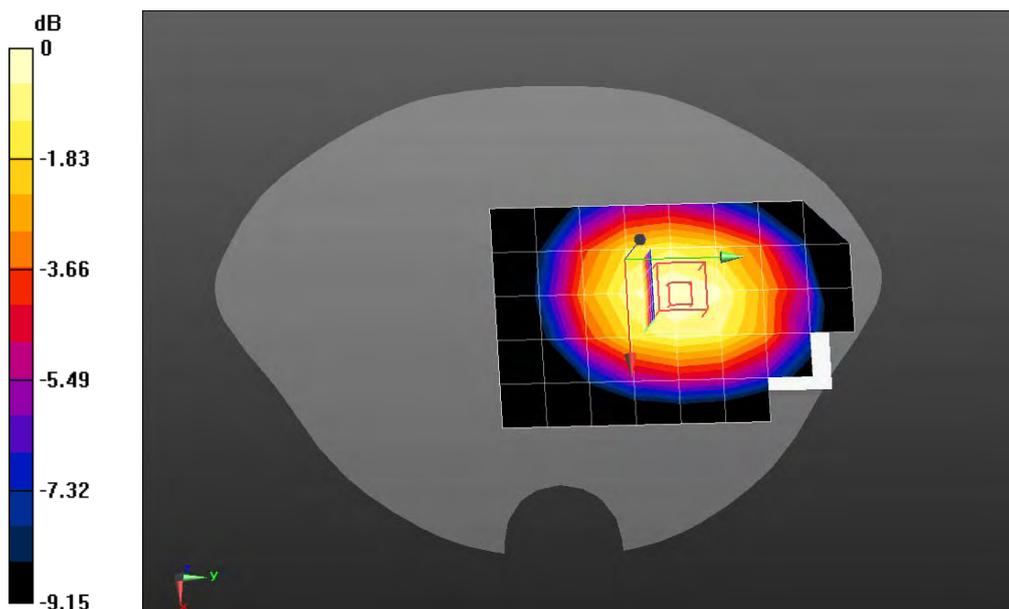
Configuration/WCDMA Band V Mid Body-Back/Area Scan (6x9x1): Measurement grid: dx=20mm, dy=20mm, Maximum value of SAR (measured) = 0.626 mW/g

Configuration/WCDMA Band V Mid Body-Back/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.066 V/m; Power Drift = -0.06 dB

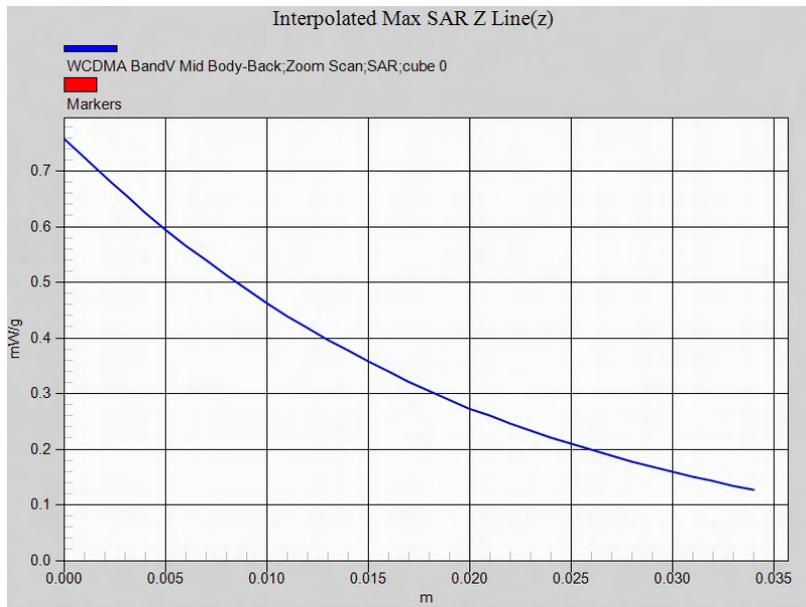
Peak SAR (extrapolated) = 0.759 mW/g

SAR(1 g) = 0.597 mW/g; SAR(10 g) = 0.448 mW/g Maximum value of SAR (measured) = 0.627 mW/g



0 dB = 0.627 mW/g = -4.05 dB mW/g

Z-Axis Plot



Date/Time: 04-07-2012

Test Laboratory: QuieTek Lab

802.11b 2462MHz Touch-Left

DUT: Mobile Phone ; Type: HUAWEI U8832D-5

Communication System: Wi-Fi; Communication System Band: 802.11b; Duty Cycle: 1:1; Frequency: 2462 MHz; Medium parameters used: $f = 2462$ MHz; $\sigma = 1.85$ mho/m; $\epsilon_r = 38.76$; $\rho = 1000$ kg/m³; Phantom section: Left Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3710; ConvF(7.25, 7.25, 7.25); 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/802.11b High Touch-Left/Area Scan (6x9x1): Measurement grid: dx=20mm, dy=20mm

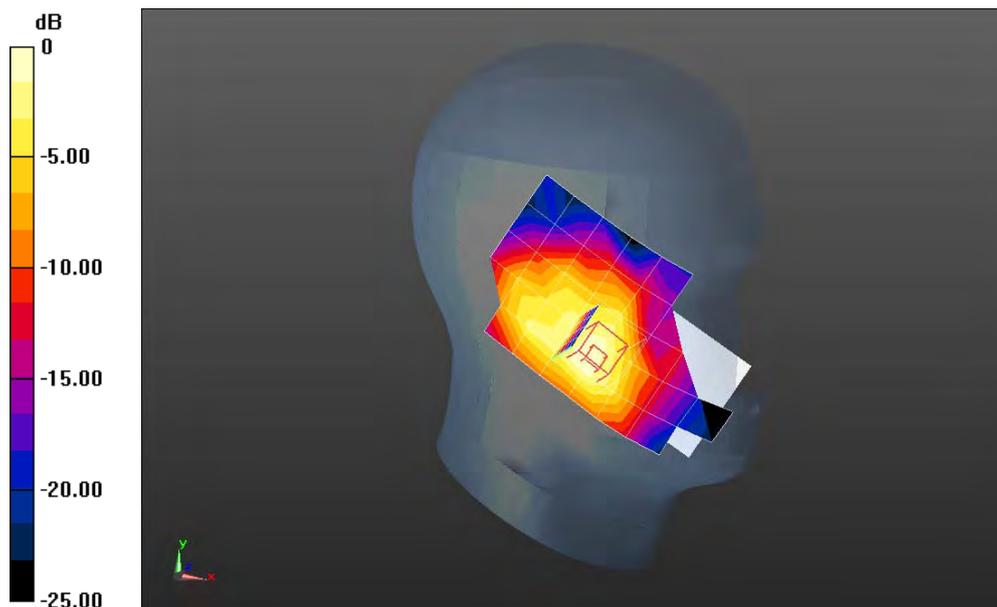
Maximum value of SAR (measured) = 0.0952 mW/g

Configuration/802.11b High Touch-Left/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.712 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 0.206 mW/g

SAR(1 g) = 0.106 mW/g; SAR(10 g) = 0.055 mW/g Maximum value of SAR (measured) = 0.114 mW/g



0 dB = 0.114 mW/g = -18.86 dB mW/g

Date/Time: 04-07-2012

Test Laboratory: QuieTek Lab

802.11b 2462MHz Tilt-Left

DUT: Mobile Phone ; Type: HUAWEI U8832D-5

Communication System: Wi-Fi; Communication System Band: 802.11b; Duty Cycle: 1:1; Frequency: 2462 MHz; Medium parameters used: $f = 2462$ MHz; $\sigma = 1.85$ mho/m; $\epsilon_r = 38.76$; $\rho = 1000$ kg/m³; Phantom section: Left Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3710; ConvF(7.25, 7.25, 7.25); 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/802.11b High Tilt-Left/Area Scan (6x9x1): Measurement grid: dx=20mm, dy=20mm

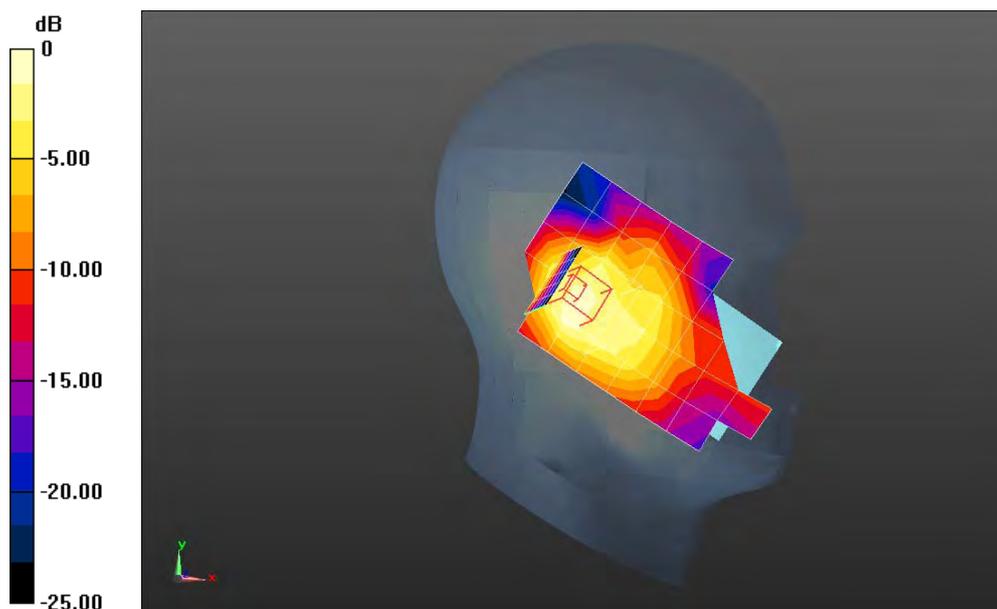
Maximum value of SAR (measured) = 0.0566 mW/g

Configuration/802.11b High Tilt-Left/Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.505 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 0.143 mW/g

SAR(1 g) = 0.064 mW/g; SAR(10 g) = 0.032 mW/g Maximum value of SAR (measured) = 0.0700 mW/g



0 dB = 0.0700 mW/g = -23.10 dB mW/g

Date/Time: 04-07-2012

Test Laboratory: QuieTek Lab

802.11b 2462MHz Touch-Right

DUT: Mobile Phone ; Type: HUAWEI U8832D-5

Communication System: Wi-Fi; Communication System Band: 802.11b; Duty Cycle: 1:1; Frequency: 2462 MHz; Medium parameters used: $f = 2462$ MHz; $\sigma = 1.85$ mho/m; $\epsilon_r = 38.76$; $\rho = 1000$ kg/m³; Phantom section: Right Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3710; ConvF(7.25, 7.25, 7.25); 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)

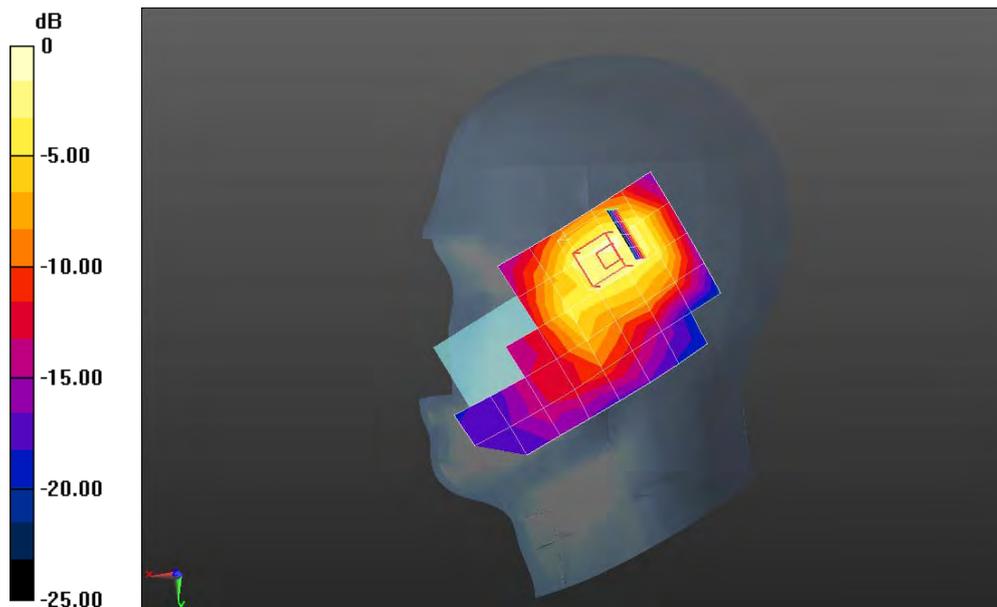
Configuration/802.11b High Touch-Right/Area Scan (6x9x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (measured) = 0.149 mW/g

Configuration/802.11b High Touch-Right/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm, Reference Value = 6.454 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.357 mW/g

SAR(1 g) = 0.174 mW/g; SAR(10 g) = 0.086 mW/g Maximum value of SAR (measured) = 0.184 mW/g



0 dB = 0.184 mW/g = -14.70 dB mW/g

Date/Time: 04-07-2012

Test Laboratory: QuieTek Lab

802.11b 2462MHz Tilt-Right

DUT: Mobile Phone ; Type: HUAWEI U8832D-5

Communication System: Wi-Fi; Communication System Band: 802.11b; Duty Cycle: 1:1; Frequency: 2462 MHz; Medium parameters used: $f = 2462$ MHz; $\sigma = 1.85$ mho/m; $\epsilon_r = 38.76$; $\rho = 1000$ kg/m³; Phantom section: Right Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3710; ConvF(7.25, 7.25, 7.25); 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/802.11b High Tilt-Right/Area Scan (6x9x1): Measurement grid: dx=20mm, dy=20mm

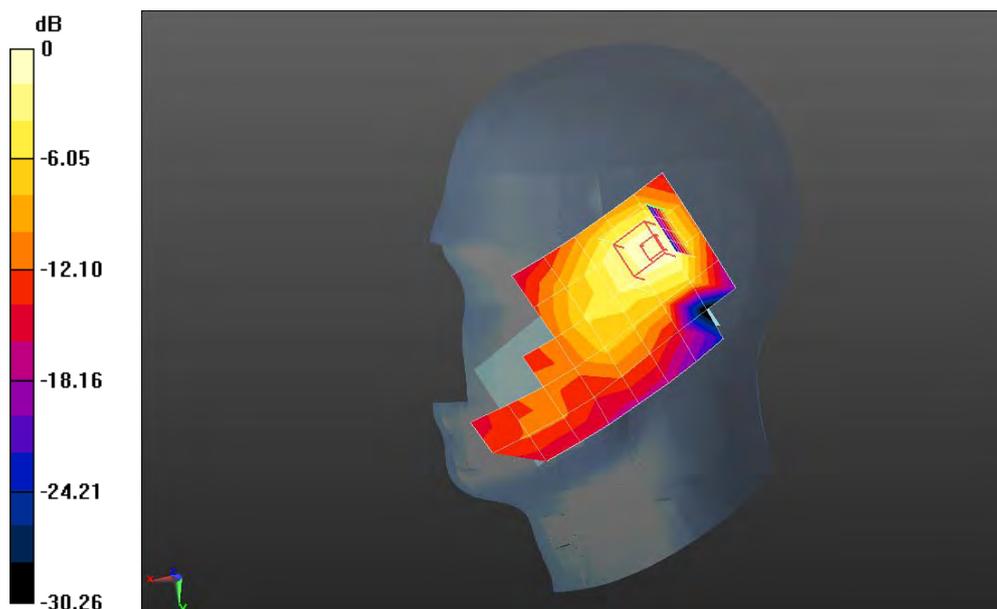
Maximum value of SAR (measured) = 0.0952 mW/g

Configuration/802.11b High Tilt-Right/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.142 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 0.250 mW/g

SAR(1 g) = 0.106 mW/g; SAR(10 g) = 0.053 mW/g Maximum value of SAR (measured) = 0.112 mW/g



0 dB = 0.112 mW/g = -19.02 dB mW/g

Date/Time: 04-07-2012

Test Laboratory: QuieTek Lab

802.11b 2462MHz Body-Back

DUT: Mobile Phone ; Type: HUAWEI U8832D-5

Communication System: Wi-Fi; Communication System Band: 802.11b; Duty Cycle: 1:1; Frequency: 2462 MHz; Medium parameters used: $f = 2462$ MHz; $\sigma = 1.99$ mho/m; $\epsilon_r = 52.62$; $\rho = 1000$ kg/m³; Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3710; ConvF(6.98, 6.98, 6.98); 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/802.11b High Body-Back/Area Scan (6x9x1): Measurement grid: dx=20mm, dy=20mm

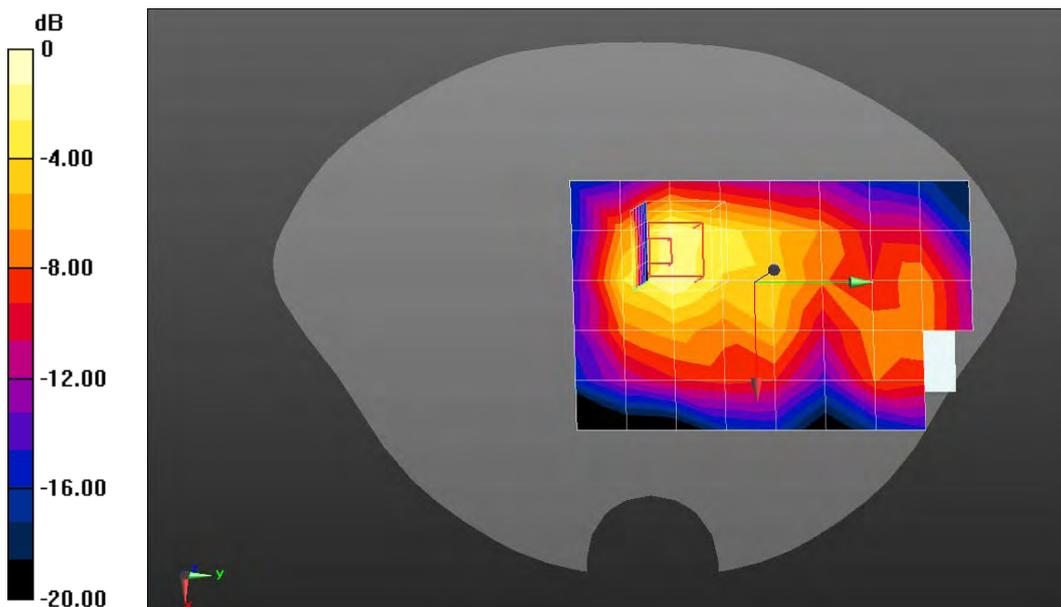
Maximum value of SAR (measured) = 0.147 mW/g

Configuration/802.11b High Body-Back/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.713 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 0.358 mW/g

SAR(1 g) = 0.174 mW/g; SAR(10 g) = 0.091 mW/g, Maximum value of SAR (measured) = 0.197 mW/g



0 dB = 0.197 mW/g = -14.11 dB mW/g

Date/Time: 04-07-2012

Test Laboratory: QuieTek Lab

802.11b 2462MHz Body-Back(with headset)

DUT: Mobile Phone ; Type: HUAWEI U8832D-5

Communication System: Wi-Fi; Communication System Band: 802.11b; Duty Cycle: 1:1; Frequency: 2462 MHz; Medium parameters used: $f = 2462 \text{ MHz}$; $\sigma = 1.99 \text{ mho/m}$; $\epsilon_r = 52.62$; $\rho = 1000 \text{ kg/m}^3$; Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3710; ConvF(6.98, 6.98, 6.98); 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/802.11b High Body-Back/Area Scan (6x9x1): Measurement grid: dx=20mm, dy=20mm

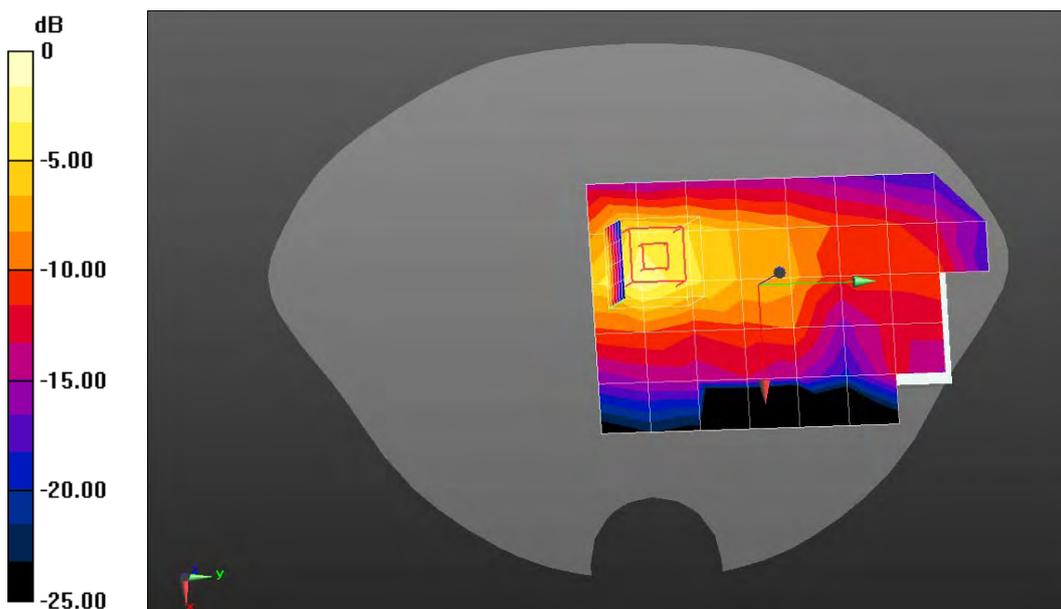
Maximum value of SAR (measured) = 0.138 mW/g

Configuration/802.11b High Body-Back/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.907 V/m; Power Drift = 0.11 dB

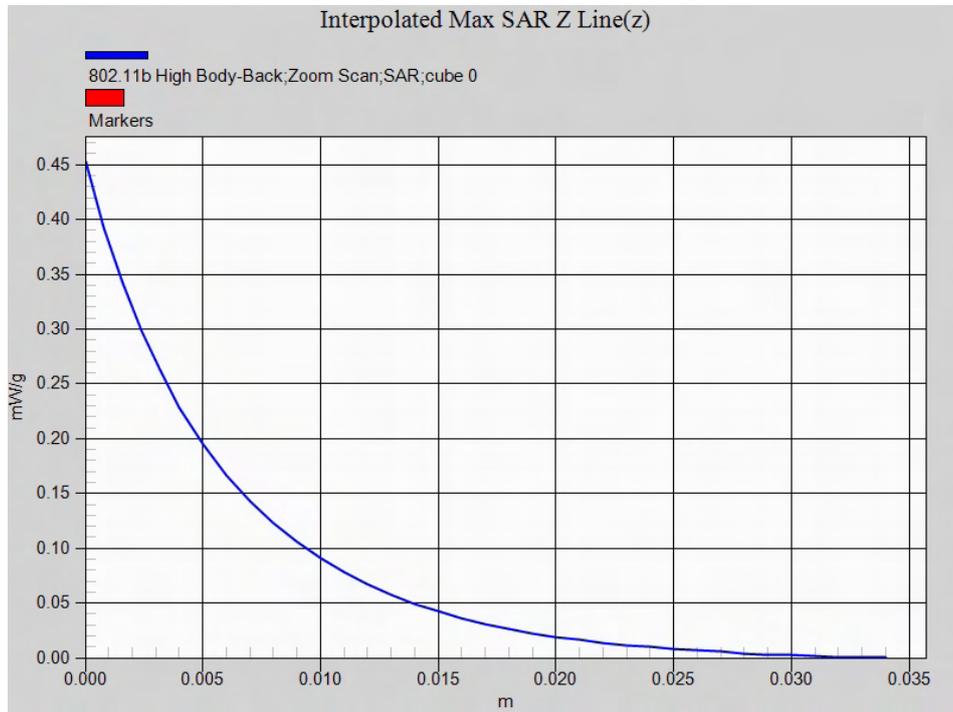
Peak SAR (extrapolated) = 0.453 mW/g

SAR(1 g) = 0.199 mW/g; SAR(10 g) = 0.087 mW/g Maximum value of SAR (measured) = 0.210 mW/g



0 dB = 0.210 mW/g = -13.56 dB mW/g

Z-Axis Plot



Date/Time: 04-07-2012

Test Laboratory: QuieTek Lab

802.11b 2462MHz Body-Front(with headset)

DUT: Mobile Phone ; Type: HUAWEI U8832D-5

Communication System: Wi-Fi; Communication System Band: 802.11b; Duty Cycle: 1:1; Frequency: 2462 MHz; Medium parameters used: $f = 2462$ MHz; $\sigma = 1.99$ mho/m; $\epsilon_r = 52.62$; $\rho = 1000$ kg/m³; Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3710; ConvF(6.98, 6.98, 6.98); 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)

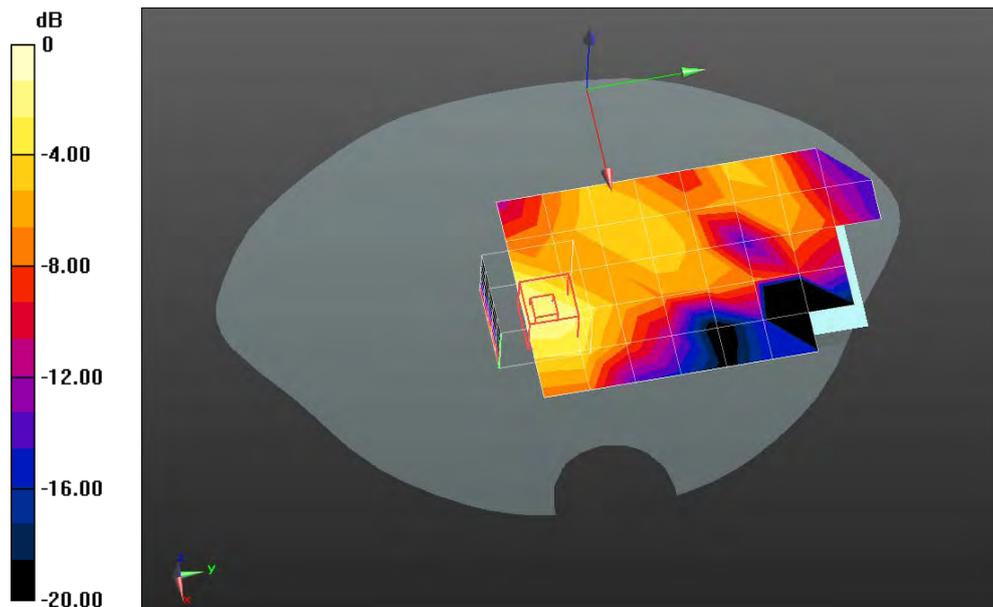
Configuration/802.11b High Body-Back/Area Scan (6x9x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (measured) = 0.0230 mW/g

Configuration/802.11b High Body-Back/Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm, Reference Value = 2.590 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 0.058 mW/g

SAR(1 g) = 0.026 mW/g; SAR(10 g) = 0.012 mW/g Maximum value of SAR (measured) = 0.0301 mW/g



0 dB = 0.0301 mW/g = -30.43 dB mW/g

Date/Time: 04-07-2012

Test Laboratory: QuieTek Lab

802.11b 2462MHz Body-Top

DUT: Mobile Phone ; Type: HUAWEI U8832D-5

Communication System: Wi-Fi; Communication System Band: 802.11b; Duty Cycle: 1:1; Frequency: 2462 MHz; Medium parameters used: $f = 2462 \text{ MHz}$; $\sigma = 1.99 \text{ mho/m}$; $\epsilon_r = 52.62$; $\rho = 1000 \text{ kg/m}^3$; Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3710; ConvF(6.98, 6.98, 6.98); 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)

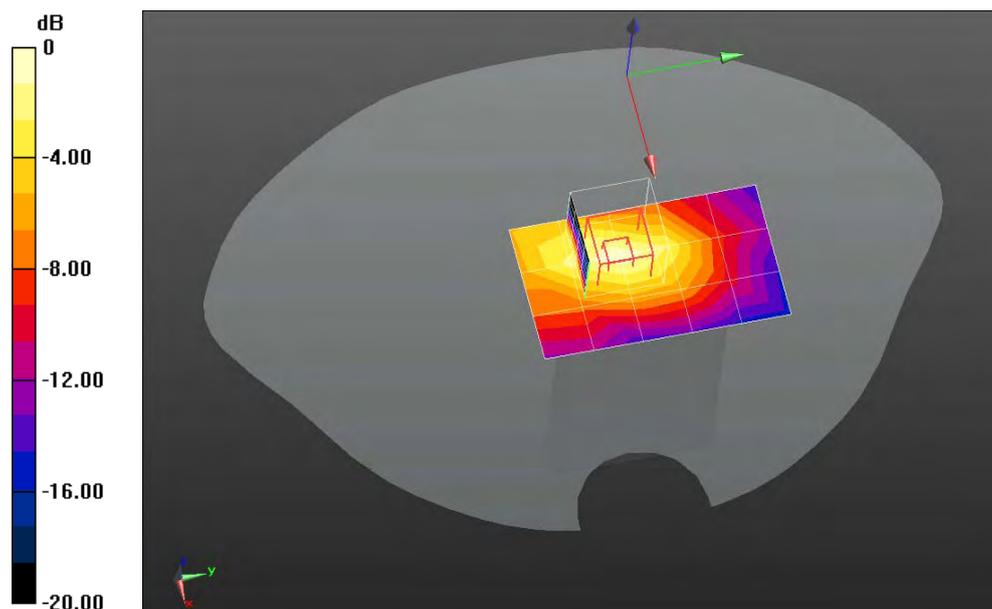
Configuration/802.11b High Body-Left side/Area Scan (4x6x1): Measurement grid: dx=20mm, dy=20mm, Maximum value of SAR (measured) = 0.0443 mW/g

Configuration/802.11b High Body-Left side/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.715 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.083 mW/g

SAR(1 g) = 0.041 mW/g; SAR(10 g) = 0.020 mW/g Maximum value of SAR (measured) = 0.0458 mW/g



0 dB = 0.0458 mW/g = -26.78 dB mW/g

Date/Time: 04-07-2012

Test Laboratory: QuieTek Lab

802.11b 2462MHz Body-Left side

DUT: Mobile Phone ; Type: HUAWEI U8832D-5

Communication System: Wi-Fi; Communication System Band: 802.11b; Duty Cycle: 1:1; Frequency: 2462 MHz; Medium parameters used: $f = 2462$ MHz; $\sigma = 1.99$ mho/m; $\epsilon_r = 52.62$; $\rho = 1000$ kg/m³; Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3710; ConvF(6.98, 6.98, 6.98); 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)

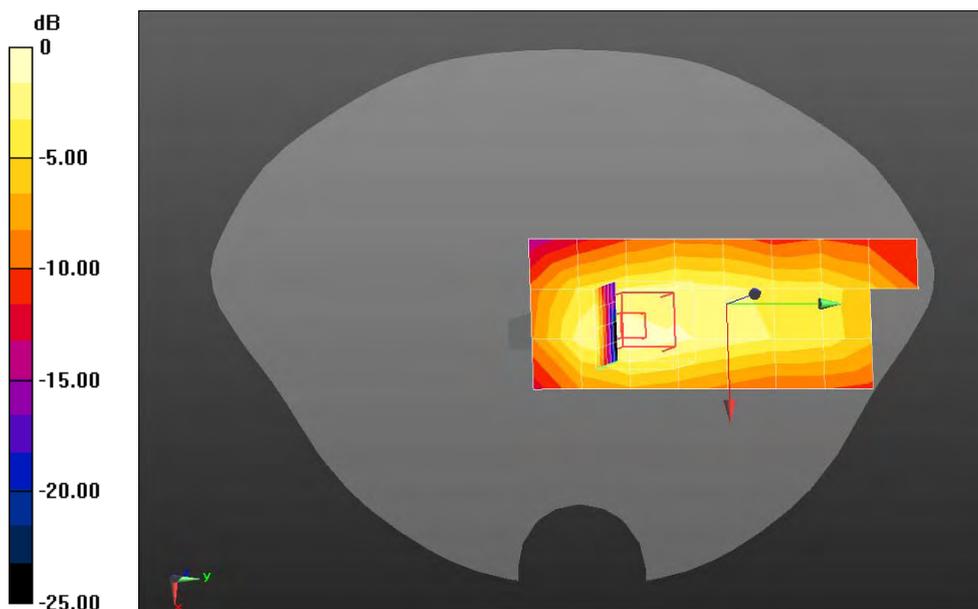
Configuration/802.11b High Body-Left side/Area Scan (4x9x1): Measurement grid: dx=20mm, dy=20mm, Maximum value of SAR (measured) = 0.0871 mW/g

Configuration/802.11b High Body-Left side/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.819 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 0.167 mW/g

SAR(1 g) = 0.083 mW/g; SAR(10 g) = 0.043 mW/g Maximum value of SAR (measured) = 0.0901 mW/g



0 dB = 0.0901 mW/g = -20.91 dB mW/g

Date/Time: 04-07-2012

Test Laboratory: QuieTek Lab

802.11b 2462MHz Body-Back(with headset)(with battery #2)

DUT: Mobile Phone ; Type: HUAWEI U8832D-5

Communication System: Wi-Fi; Communication System Band: 802.11b; Duty Cycle: 1:1; Frequency: 2462 MHz; Medium parameters used: $f = 2462$ MHz; $\sigma = 1.99$ mho/m; $\epsilon_r = 52.62$; $\rho = 1000$ kg/m³; Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3710; ConvF(6.98, 6.98, 6.98); 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/802.11b High Body-Back/Area Scan (6x9x1): Measurement grid: dx=20mm, dy=20mm

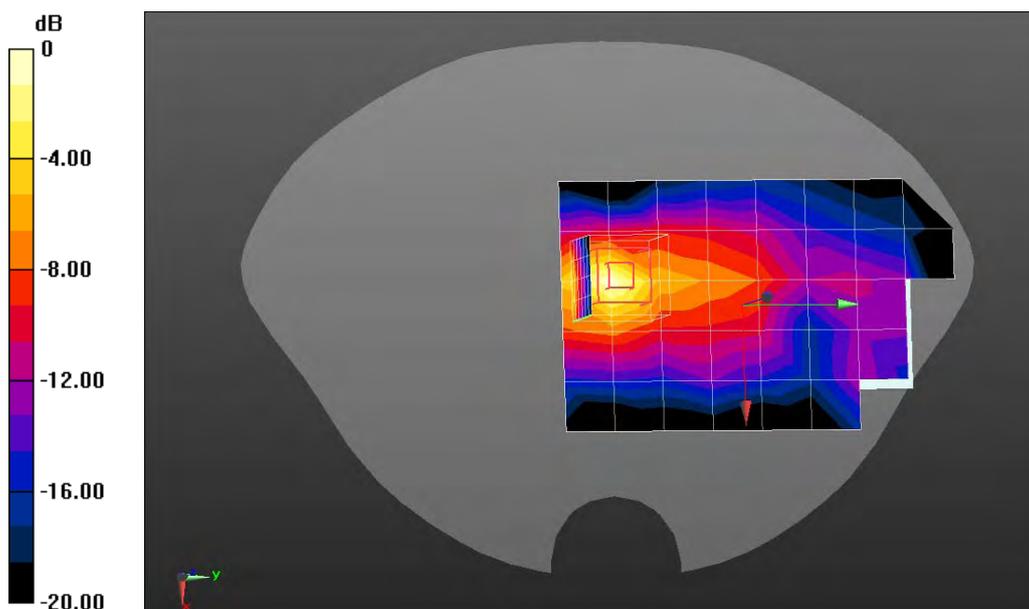
Maximum value of SAR (measured) = 0.189 mW/g

Configuration/802.11b High Body-Back/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.064 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.378 mW/g

SAR(1 g) = 0.175 mW/g; SAR(10 g) = 0.080 mW/g Maximum value of SAR (measured) = 0.194 mW/g



0 dB = 0.194 mW/g = -14.24 dB mW/g

Date/Time: 04-07-2012

Test Laboratory: QuieTek Lab

802.11b 2462MHz Body-Back(with headset)(with battery #3)

DUT: Mobile Phone ; Type: HUAWEI U8832D-5

Communication System: Wi-Fi; Communication System Band: 802.11b; Duty Cycle: 1:1; Frequency: 2462 MHz; Medium parameters used: $f = 2462$ MHz; $\sigma = 1.99$ mho/m; $\epsilon_r = 52.62$; $\rho = 1000$ kg/m³; Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3710; ConvF(6.98, 6.98, 6.98); 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)

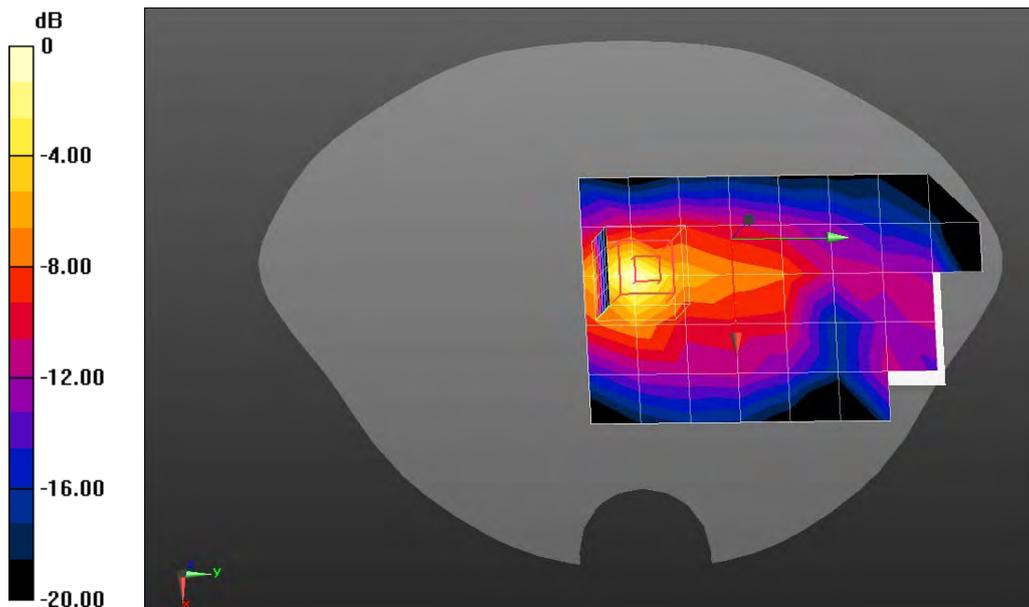
Configuration/802.11b High Body-Back/Area Scan (6x9x1): Measurement grid: dx=20mm, dy=20mm

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

Configuration/802.11b High Body-Back/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm, Reference Value = 7.760 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 0.428 mW/g

SAR(1 g) = 0.192 mW/g; SAR(10 g) = 0.084 mW/g Maximum value of SAR (measured) = 0.198 mW/g



0 dB = 0.198 mW/g = -14.07 dB mW/g