

FCC SAR

TEST REPORT

of

HC-C2070

Model Name:

HC-C2070

Trade Name:

Haier

Report No .:

SZ09060066S01

FCC ID:

SG70906HC-C2070

prepared for

Qingdao Haier Telecom Co.,Ltd

No.1, Haier Road Hi-tech Zone, Qingdao, 266101, P.R. China

Shenzhen Electronic Product Quality Testing Center
Moriab Laboratory

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General Information

1.1. Notes

The test results of this test report relate exclusively to the information specified in section 3.3. Shenzhen Electronic Product Quality Testing Center Morlab Laboratory does not assume responsibility for any conclusions and generalizations drawn from the test results with regard to other specimens or samples of the type of the equipment represented by the identification. The test report may only be reproduced or published in full. Reproduction or publications of extracts from the test report requires the prior written approval of Shenzhen Electronic Product Quality Testing Center Morlab Laboratory. The test report shall be invalid without all the signatures of testing the Project Manager, the Deputy Project Manager and the Test Lab Manager. Any objections must be raised to Morlab within 30 days since the date when the report is received. It will not be taken into consideration beyond this limit.

1.2. Organization item

Report No.:

SZ09060066S01

Date of Issue:

Jun 24, 2008

Date of Tests:

Jun 20, 2008 – Jun 20, 2008

Responsible for Accreditation:

Mr. Shu Luan

Project Manager:

Chen chao

Deputy Project Manager:

Li Lei

1.3. Conclusion

Shenzhen Electronic Product Quality Testing Center Morlab Laboratory has verified that all tests as listed in the section 4.6 of this report haven been performed successfully with the tested equipment.

> Men Man Chen chao

Tested by

(Responsible for the Test Rep

Li Lei

Reviewed by

erification of the Test Report)

Shu Luan

Cer#fication

Approved by

(Responsible Test Lab Manager)



2. Testing Laboratory

2.1. Identification of the Responsible Testing Laboratory

Company Name: Shenzhen Electronic Product Quality Testing Center

Department: Morlab Laboratory

Address: 3/F, Electronic Testing Building, Shahe Road, Nanshan

District, Shenzhen, 518055 P. R. China

Responsible Test Lab Manager: Mr. Shu Luan
Telephone: +86 755 86130268
Facsimile: +86 755 86130218

2.2. Identification of the Responsible Testing Location

Name: Shenzhen Electronic Product Quality Testing Center Morlab

Laboratory

Address: 3/F, Electronic Testing Building, Shahe Road, Nanshan

District, Shenzhen, 518055 P. R. China

2.3. Accreditation Certificate

Accredited Testing Laboratory: No. CNAS L1659 (see Annex A)

2.4. List of Test Equipments

No.	Instrument	Type
1	PC	Dell (Pentium IV 2.4GHz, SN:X10-23533)
2	Network Emulator	Rohde&Schwarz (CMU200, SN:105894)
3	Voltmeter	Keithley (2000, SN:1000572)
4	Synthetizer	Rohde&Schwarz (SML_03, SN:101868)
5	Amplifier	Nucl udes (ALB216, SN:10800)
6	Power Meter	Rohde&Schwarz (NRVD, SN:101066)
7	Probe	Antennessa (SN:SN_3708_EP80)
8	Phantom	Antennessa (SN:SN_36_08_SAM62)
9	Liquid	Antennessa (Last Calibration:21 08 04)



3. Technical Information

Note: the following data is based on the information by the applicant.

3.1. Identification of Applicant

Company Name: Qingdao Haier Telecom Co.,Ltd

Address: No.1, Haier Road Hi-tech Zone, Qingdao, 266101, P.R. China

Contact Person: Xu Jun

Telephone: +86(532)88937356 Facsimile: +86(532)88939585 E-mail: xu_jun@haier.com

3.2. Identification of Manufacturer

Company Name: Qingdao Haier Telecom Co.,Ltd

Address: No.1, Haier Road Hi-tech Zone, Qingdao, 266101, P.R. China

Contact Person: Xu Jun

Telephone: +86(532)88937356 Facsimile: +86(532)88939585 E-mail: xu_jun@haier.com

3.3. Equipment Under Test (EUT)

Brand Name: Haier
Type Name: Haier

Marking Name: HC-C2070

Hardware Version: SP

Software Version: HA2070MT01

Frequency Bands: Tx:825.25 MHz—847.75MHz Rx: 870.25 MHz—892.75MHz

Modulation Mode: CDMA
Antenna type: Build inside
Accessories: Charger; Battery

Battery Model: H15132

Battery specification: 1000mAh 3.7V



3.3.1. Photographs of the EUT

Please see Annex B for photographs of the EUT.

3.3.2. Identification of all used EUTs

The EUT Identity consists of numerical and letter characters (see the table below), the first five numerical characters indicates the Type of the EUT defined by Morlab, the next letter character indicates the test sample, and the following two numerical characters indicates the software version of the test sample.

EUT Identity	ESN	Hardware Version	Software Version
1#	N/A	SP	HA2070MT01
2#	N/A	SP	HA2070MT01

4. Test Results

4.1. Applied Reference Documents

Leading reference documents for testing:

No.	Identity	Document Title
1	47 CFR § 2. 1093	Radiofrequency Radiation Exposure Evaluation: Portable Devices
2	FCC OET	Evaluating Compliance with FCC Guidelines for Human
	Bulletin 65	Exposure to Radiofrequency Electromagnetic Fields
	(Edition 97-01),	
	Supplement C	
	(Edition 01-01)	
3	ANSI C95.1-1999	IEEE Standard for Safety Levels with Respect to Human
		Exposure to Radio Frequency Electromagnetic Fields, 3kHz to
		300 GHz
4	IEEE 1528-2003	Recommended Practice for Determining the Peak Spatial-Average
		Specific Absorption Rate(SAR) in the Human Body Due to
		Wireless Communications Devices: Experimental Techniques.



4.2. Test Environment/Conditions

Normal Temperature (NT): 20 ... 25 °C Relative Humidity: 30 ... 75 %

Air Pressure: 980 ... 1020 hPa
Details of Power Supply: 220V/50Hz AC

Extreme Temperature: Low Temperature (LT) = -10° C

High Temperature (HT) = 55° C

Extreme Voltage of the EUT: Normal Voltage (NV) = 3.80V

Low Voltage (LV) = 3.60VHigh Voltage (HV) = 4.20V

Test frequency: CDMA 800MHz
Operation mode: Call established

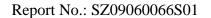
Power Level: Maximum output power

During SAR test, EUT is in Traffic Mode (Channel Allocated) at Normal Voltage Condition. A communication link is set up with a System Simulator (SS) by air link, and a call is established.

The Absolute Radio Frequency Channel Number (ARFCN) is allocated to 9, 384 and 758 respectively in the case of CDMA 800MHz, The EUT is commanded to operate at maximum transmitting power.

The EUT shall use its internal transmitter. The antenna(s), battery and accessories shall be those specified by the manufacturer. The EUT battery must be fully charged and checked periodically during the test to ascertain uniform power output. If a wireless link is used, the antenna connected to the output of the base station simulator shall be placed at least 50 cm away from the handset.

The signal transmitted by the simulator to the antenna feeding point shall be lower than the output power level of the handset by at least 35 dB.





4.3. Operational Conditions During Test

4.3.1. Informations On The Testing

I. INFORMATIONS ON THE TESTING

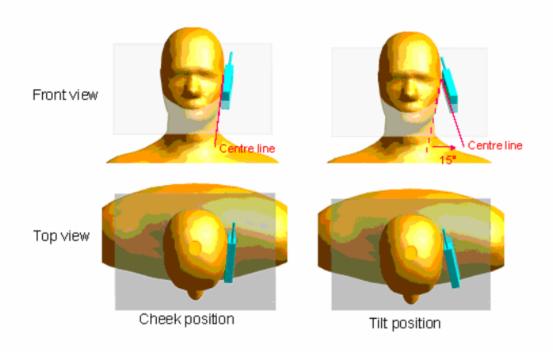
I.1. Normative reference

IEEE 1528: Recommended Practice for determining the Peak Spatial-Average Specific Absorption Rate (SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques. Institute of Electrical and Electronics Engineers, INC., 2003.

I.3. Positions and test conditions of the mobile phone under test

The mobile phone antenna and battery are those specified by the manufacturer. The battery is fully charged before each measurement. The output power and frequency are controlled using a base station simulator. The mobile phone is set to transmit at its highest output peak power level.

The mobile phone is test in the "cheek" and "tilted" positions on the left and right sides of the phantom. The mobile phone is placed with the vertical centre line of the body of the mobile phone and the horizontal line crossing the centre of the earpiece in a plane parallel to the sagittal plane of the phantom.





Description of the « cheek » position:

The mobile phone is well placed in the reference plane and the earpiece is in contact with the ear. Then the mobile phone is moved until any point on the front side get in contact with the cheek of the phantom or until contact with the ear is lost.

Description of the « tilted » position:

The mobile phone is well place in the "cheek" position as described above. Then the mobile phone is moved outward away from the mouth by an angle of 15 degrees or until contact with the ear lost



4.3.2. The Measurement System

Comosar is a system that is able to determine the SAR distribution inside a phantom of human being according to different standards. The Comosar system consists of the following items:

- Main computer to control all the system
- 6 axis robot
- Data acquisition system
- Miniature E-field probe
- Phone holder
- Head simulating tissue

The following figure shows the system.



COMOSAR bench

The mobile phone under test operating at the maximum power level is placed in the phone holder, under the phantom, which is filled with head simulating liquid. The E-Field probe measures the electric field inside the phantom. The OpenSAR software computes the results to give a SAR value in a 1g or 10 g mass.

II.1. Phantom

For the measurements the Specific Anthropomorphic Mannequin (SAM) defined by the IEEE SCC-34/SC2 group is used. The phantom is a polyurethane shell integrated in a wooden table. The thickness of the phantom amounts to 2 mm +/- 0,2 mm. It enables the dosimetric evaluation of left and right hand phone usage and includes an additional flat phantom part for the simplified performance check. The phantom set-up includes a cover, which prevents the evaporation of the liquid.

II.2. Probe

For the measurements the Specific Dosimetric E-Field Probe SSE5 with following specifications is used.

• Dynamic range: 0.01-100 W/kg

• Tip Diameter: 5 mm



• Distance between probe tip and sensor center: 2.5 mm

 Distance between sensor center and the inner phantom surface: 4 mm (repeatability better than +/- 1mm).

Probe linearity: <0.25 dB
Axial Isotropy: <0.25 dB
Spherical Isotropy: <0.50 dB

· Calibration range: 835 to 2500 MHz for head & body simulating liquid

Angle between probe axis (evaluation axis) and suface normal line: less than 30°

II.3. Measurement procedure

The following steps are used for each test position

- Establish a call with the maximum output power with a base station simulator. The
 connection between the mobile and the base station simulator is established via air
 interface.
- Measurement of the local E-field value at a fixed location. This value serves as a reference value for calculating a possible power drift.
- Measurement of the SAR distribution with a grid of 8 to 16 mm * 8 to 16 mm and a
 constant distance to the inner surface of the phantom. Since the sensors can not
 directly measure at the inner phantom surface, the values between the sensors and the
 inner phantom surface are extrapolated. With these values the area of the maximum
 SAR is calculated by an interpolation scheme.
- Around this point, a cube of 30 * 30 * 30 mm or 32 * 32 * 32 mm is assessed by measuring 5 or 8 * 5 or 8 * 4 or 5 mm. With these data, the peak spatial-average SAR value can be calculated.

$\Pi.4$ Description of interpolation/extrapolation scheme

The local SAR inside the phantom is measured using small dipole sensing elements inside a probe body. The probe tip must not be in contact with the phantom surface in order to minimise measurements errors, but the highest local SAR will occur at the surface of the phantom.

An extrapolation is using to determinate this highest local SAR values. The extrapolation is based on a fourth-order least-square polynomial fit of measured data. The local SAR value is then extrapolated from the liquid surface with a 1 mm step.

The measurements have to be performed over a limited time (due to the duration of the battery) so the step of measurement is high. It could vary between 5 and 8 mm. To obtain an accurate assessment of the maximum SAR averaged over 10 grams and 1 gram requires a very fine resolution in the three dimensional scanned data array.



4.3.3. Uncertainty Assessment

The following table includes the uncertainty table of the IEEE 1528.

The values are determined by Antennessa.

a	b	С	d	e= f(d,k)	f	g	h= c*f/e	i= c*g/e	k
Uncertainty Component	Sec.	Tol (+- %)	Prob. Dist.	Div.	Ci (1g)	Ci (10g)	1g Ui (+-%)	10g Ui (+-%)	Vi
Measurement System									
Probe calibration	E.2.1	7.0	N	1	1	1	7.00	7.00	00
Axial Isotropy	E.2.2	2.5	R	V3	(1-Cp) ^{1/2}	(1-Cp) ^{1/2}	1.02	1.02	000
Hemispherical Isotropy	E.2.2	4.0	R	V3	VCp	VCp	1.63	1.63	00
Boundary effect	E.2.3	1.0	R	V3	1	1	0.58	0.58	~~
Linearity	E.2.4	5.0	R	√3	1	1	2.89	2.89	~
System detection limits	E.2.5	1.0	R	V3	1	1	0.58	0.58	∞
Readout Electronics	E.2.6	0.02	N	1	1	1	0.02	0.02	∞
Reponse Time	E.2.7	3.0	R	$\sqrt{3}$	1	1	1.73	1.73	∞
Integration Time	E.2.8	2.0	R	V3	1	1	1.15	1.15	00
RF ambient Conditions	E.6.1	3.0	R	V3	1	1	1.73	1.73	00
Probe positioner Mechanical Tolerance	E.6.2	2.0	R	√3	1	1	1.15	1.15	∞
Probe positioning with respect to Phantom Shell	E.6.3	0.05	R	√3	1	1	0.03	0.03	~
Extrapolation, interpolation and integration Algoritms for Max. SAR Evaluation	E.5.2	5.0	R	√3	1	1	2.89	2.89	∞
Test sample Related									
Test sample positioning	E.4.2.1	0.03	N	1	1	1	0.03	0.03	N-1
Device Holder Uncertainty	E.4.1.1	5.00	N	1	1	1	5.00	5.00	
Output power Variation - SAR drift measurement	6.6.2	4.76	R	√3	1	1	2.75	2.75	~
Phantom and Tissue Parameters									
Phantom Uncertainty (Shape and thickness tolerances)	E.3.1	0.05	R	√3	1	1	0.03	0.03	~
Liquid conductivity - deviation from target value	E.3.2	0.57	R	√3	0.64	0.43	0.21	0.14	~



Liquid conductivity -	E.3.3	5.00	N	1	0.64	0.43	3.20	2.15	M
measurement uncertainty									
Liquid permittivity - deviation	E.3.2	3.66	R	νG	0.6	0.49	1.27	1.04	8
from target value				V3					80
Liquid permittivity -	E.3.3	10.00	N	1	0.6	0.49	6.00	4.90	M
measurement uncertainty									
Combined Standard Uncertainty			RSS				11.28	10.78	
Expanded Uncertainty			k				21.99	21.03	
(95% Confidence interval)									

4.3.4. Equipments and results of validation testing

Equipments:

name	Type and specification
Signal generator	E4433B
Directional coupler	450MHz-3GHz
Amplifier	3W 502(10-2500MHz)
Reference dipole	SN 36/08 DIPF 101

Results:

Frequency	Target value (1g)	Test valu	ıe (1g)
835MHz	10.8W/Kg	11.4(head)	9.7 (body)

Note: please refer to check the system performance data, the first 76-81 page

4.3.5. Dielectric Performance

The measured 1-gram averaged SAR values of the device against the head and the body are provided in Tables 1 and 2 respectively. The humidity and ambient temperature of test facility were 54% ~60% and 23.0 °C ~23.8°C respectively. The SAM head phantom (SN 0381 SH) were full of the head tissue simulating liquid. The depth of the body tissue was 15.1cm. The distance between the back of the device and the bottom of the flat phantom is 1.5cm (taking into account of the IEEE 1528 and the place of the antenna). A base station simulator was used to control the device during the SAR measurement. The phone was supplied with full-charged battery for each measurement.

For head measurement, the device was tested at the lowest, middle and highest frequencies in the transmit band.



Table 1: Dielectric Performance of Head Tissue Simulating Liquid

Temperature: 23.0~23.	8°C, humidity: 54~60%.		
/	Frequency	Permittivity ε	Conductivity σ (S/m)
Target value	835 MHZ	41.5	0. 90
Validation value (Jun 20)	835 MHZ	41. 790001	0. 867138

For body-worn measurements, the device was tested against flat phantom representing the user body. Under measurement phone was put on in the belt holder.

Table 2: Dielectric Performance of Body Tissue Simulating Liquid

Temperature: 23.0~23.8	8°C, humidity: 54~60%.		
/	Frequency	Permittivity ε	Conductivity σ (S/m)
Target value	835 MHz	55. 0	1.05
Validation value (Jun 20)	835 MHZ	54. 116001	1. 003105



4.3.6. Simulant liquids

Simulant liquids that are used for testing at frequencies of GSM 800MHz, which are made mainly of sugar, salt and water solutions may be left in the phantoms. Approximately 20litres are needed for an upright head compared to about 20litres for a horizontal bath phantom.

Ingredients	Frequen	cy Band
(% by weight)	83	35
Tissue Type	Head	Body
Water	41.45	52.4
Salt(NaCl)	1.45	1.4
Sugar	56.0	45.0
HEC	1.0	1.0
Bactericide	0.1	0.1
Triton	0.0	0.0
DGBE	0.0	0.0
Acticide SPX	0.0	0.0
Dielectric Constant	42.45	56.1
Conductivity (S/m)	0.91	0.95



4.4. MEASUREMENT PROCEDURES

4.4.1. Procedures Used To Establish Test Signal

The handset was placed into a simulated call using a base station simulator in a shielded chamber. Such test signals offer a consistent means for testing SAR and are recommended for evaluating SAR. SAR measurements were taken with a fully charged battery. In order to verify that the device was tested and maintained at full power, this was configured with the base station simulator. The SAR measurement software calculates a reference point at the start and end of the test to check for power drifts. If conducted power deviations of more then 5% occurred, the tests were repeated.

4.4.2 SAR Measurement Conditions for CDMA2000 1x

These procedures were followed according to FCC "SAR Measurement Procedures for 3G Devices", June 2006.

4.4.2.1 Output Power Verification

See 3GPP2 C.S0011/TIA-98-E as recommended by "SAR Measurement Procedures for 3G Devices", June 2006.

Maximum output power is verified on the High, Middle and Low channels according to procedures defined in section 4.4.5.2 of 3GPP2 C.S0011/TIA-98-E. SO55 tests were measured with power control bits in "All Up" condition.

- 1. If the mobile station supports Reverse TCH RC 1 and Forward TCH RC 1, set up a call using Fundamental Channel Test Mode 1 (RC=1/1) with 9600 bps data rate only.
- 2. Under RC1, C.S0011 Table 4.4.5.2-1 (Table.A) parameters were applied.
- 3. If the MS supports the RC 3 Reverse FCH, RC3 Reverse SCH0 and demodulation of RC 3, 4, or 5, set up a call using Supplemental Channel Test Mode 3 (RC 3/3) with 9600 bps Fundamental Channel and 9600 bps SCH0 data rate Channel and 9600 bps SCH0 data rate.
- 4. Under RC3, C.S0011 Table 4.4.5.2-2(Table.B) was applied.
- 5. FCHs were configured at full rate for maximum SAR with "All Up" power control bits. Table.A Table.B

Parameters for Max. Power for RC1					
Parameter	Units	Value			
Loc	4Bm/1.23 MHz	-104			
Pilot E _c	dB	-7			
Traffic E _c	dB	-7.4			

Parameter	Units
l _{or}	dBm/1.23 MHz
Prior Ec	dB
Traffic E _c	dB

Table, A

Table, B

4.4.2.2 Head SAR Measurement

SAR for head exposure configurations is measured in RC3 with the DUT configured to transmit at

-86



fullrate using Loopback Service Option SO55. SAR for RC1 is not required when the maximum average output of each channel is less than ¼ dB higher than that measured in RC3. Otherwise, SAR is measured on the maximum output channel in RC1 using the exposure configuration that results in the highest SAR for that channel in RC3.

4.4.2.3 Body SAR Measurement

SAR for body exposure configurations is measured in RC3 with the DUT configured to transmit at full rate on FCH with all other code channels disabled using TDSO / SO32. SAR for multiple code channels (FCH + SCHn) is not required when the maximum average output of each RF channel is less than ¼ dB higher than that measured with FCH only. Otherwise, SAR is measured on the maximum output channel (FCH + SCHn) with FCH at full rate and SCH0 enabled at 9600 bps using the exposure configuration that results in the highest SAR for that channel with FCH only. When multiple code channels are enabled, the DUT output may shift by more than 0.5 dB and lead to higher SAR drifts and SCH dropouts. Body SAR in RC1 is not required when the maximum average output of each channel is less than ¼dB higher than that measured in RC3. Otherwise, SAR is measured on the maximum output channel in RC1; with Loopback Service Option SO55, at full rate, using the body exposure configuration that results in the highest SAR for that channel in RC3.

Channel	Radio Configuration aud conducted Power (dBm)				
Chamiei	RC1	RC2	RC3	RC4	RC5
Low	27.12	27.05	27.01	27.10	27.11
Mid	27.34	27.14	27.34	27.32	27.41
High	27.75	27.35	27.43	27.71	27.78
SO	SO2	SO9	SO55	SO55	SO55

4.5. Items used in the Test Results List

Terms in the column "Verdict" for the test results list of the section 4.6:

Verdict	Description
PASS	EUT passed this test case
FAIL	EUT failed this test case
INC.	EUT did not pass and did not fail this test case, therefore the verdict is inconclusive
Decl.	"Declaration": Morlab has received documents from the applicant and/or
manufacturer which show conformity to the applied standards for this test case.	
N/A	Test case not applicable for the EUT, see the column "Note" for detailed



4.6. Test Results List

Summary of Measurement Results (CDMA 800MHz Band) SAR Values (CDMA 800MHz Band), Measured against the head.

Temperature: 23.0~23.8°C, humidity: 54~60%.				
Limit of SAD (W//rg)	1 g Average			
Limit of SAR (W/kg)	-	1.6		
	Measurement Result (W/kg)			
Test Case	1 g Average	Power level		
	(W/kg)	(dBm)		
Left head, Touch cheek, channel Low	0.563	27.11		
Left head, Touch cheek, channel Middle	0.636	27.41		
Left head, Touch cheek, channel High	0.638	27.78		
Left head, Tilt 15 Degree, channel Low	0.325	27.11		
Left head, Tilt 15 Degree, Channel Middle	0.362	27.41		
Left head, Tilt 15 Degree, Channel High	0.373	27.78		
Right head, Touch cheek, channel Low	0.611	27.11		
Right head, Touch cheek, Channel Middle	0.683	27.41		
Right head, Touch cheek, Channel High	0.669	27.78		
Right head, Tilt 15 Degree, channel Low	0.487	27.11		
Right head, Tilt 15 Degree, Channel Middle	0.436	27.41		
Right head, Tilt 15 Degree, Channel High 0.356 27.78				



SAR Values (CDMA 800MHz Band), Measured against the body.

Temperature: 23.0~23.8°C, humidity: 54~60%.				
Limit of SAR (W/kg)	1 g Average			
Limit of SAK (W/kg)	1.6			
	Measurement Result (W/kg)			
Test Case	1 g Average	Power level		
	(W/kg)	(dBm)		
Side, Low frequency	0.707	27.11		
Side, Middle frequency	0.891	27.41		
Side, High frequency	0.921	27.78		
Side, High frequency(back)	0.328	27.78		
Side, High frequency(with Headphone)	0.906	27.78		

Note: The depth of the body tissue was 15.1cm. The distance between the back of the device and the bottom of the flat phantom is 1.5cm(taking into account of the IEEE 1528 and the place of the antenna)





Annex A Accreditation Certificate



Date of Issue: 2007-01-17

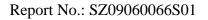
Date of Expiry: 2009-10-08

Date of Initial Accreditation: 1999-08-03



Signed on behalf of China National Accreditation Service for Conformity Assessment

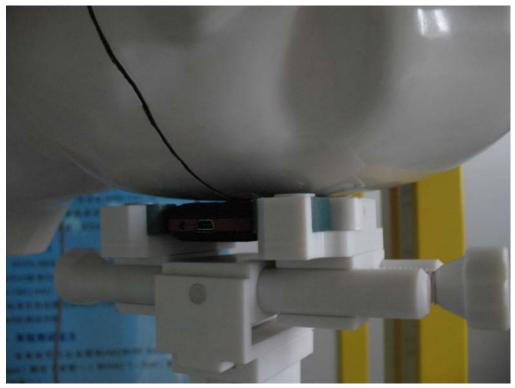
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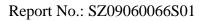
Annex B Photographs of the EUT

1 EUT Left Head Touch Cheek Position



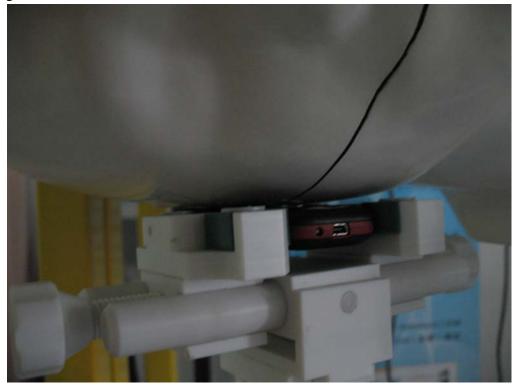
2 EUT Left Head Tilt15 Position



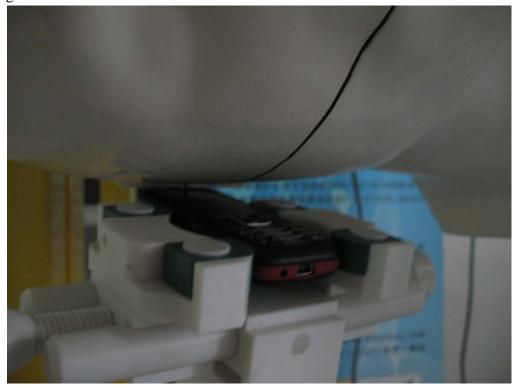


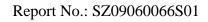


3 EUT Right Head Touch Cheek Position



4 EUT Right Head Tilt15 Position





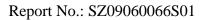


5 spacer 1.5cm



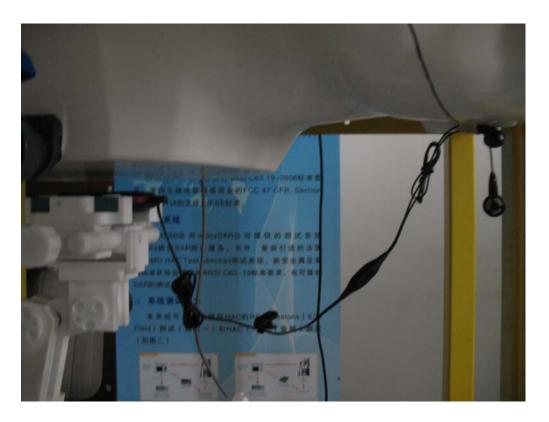
6 Side Position

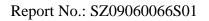






7 Side Position EUT with Headphone

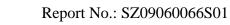






Annex C Graph Test Results

	BAND	<u>PARAMETERS</u>
		Measurement 1: Right Head with Cheek device position
		on Low Channel in CDMA mode
		Measurement 2: Right Head with Cheek device position
		on Middle Channel in CDMA mode
		Measurement 3: Right Head with Cheek device position
		on High Channel in CDMA mode
		Measurement 4: Right Head with Tilt device position on
		Low Channel in CDMA mode
		Measurement 5: Right Head with Tilt device position on
		Middle Channel in CDMA mode
		Measurement 6: Right Head with Tilt device position on
		High Channel in CDMA mode
		Measurement 7: Left Head with Cheek device position
		on Low Channel in CDMA mode
		Measurement 8: Left Head with Cheek device position
		on Middle Channel in CDMA mode
TYPE	CDMA80	Measurement 9: Left Head with Cheek device position
		on High Channel in CDMA mode
	<u>0</u>	Measurement 10: Left Head with Tilt device position on
		Low Channel in CDMA mode
		Measurement 11: Left Head with Tilt device position on
		Middle Channel in CDMA mode
		Measurement 12: Left Head with Tilt device position on
		High Channel in CDMA mode
		Measurement 13: Validation Plane with Body device
		position on Low Channel in CDMA mode
		Measurement 14: Validation Plane with Body device
		position on Middle Channel in CDMA mode
		Measurement 15: Validation Plane with Body device
		position on High Channel in CDMA mode
		Measurement 16: Validation Plane with Body device
		position on High Channel in CDMA mode(back)
		Measurement 17: Validation Plane with Body device
		position on High Channel in CDMA mode
		(with Headphone)





MEASUREMENT 1

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 20/6/2009

Measurement duration: 7 minutes 28 seconds

A. Experimental conditions.

Phantom File	sam_direct_droit2_surf8mm.txt
Phantom	Right head
Device Position	Cheek
Band	CDMA850
Channels	Low
Signal	CDMA

B. SAR Measurement Results

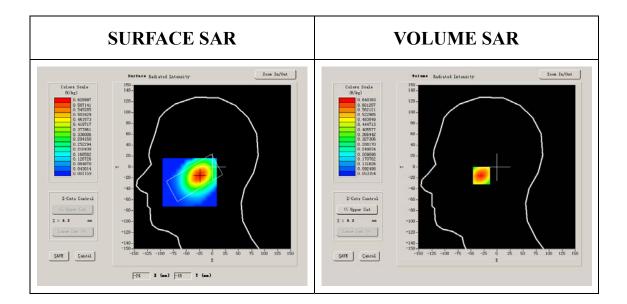
Lower Band SAR (Channel 1013):

Frequency (MHz)	824.700012
Relative permittivity (real part)	41.790001
Relative permittivity	18.926250





Conductivity (S/m)	0.867138	
Variation (%)	0.250000	
Ambient Temperature:	21.8°C	
Liquid Temperature:	21.7°C	
Probe Serial Number:	SN_3708_EP80	
Crest factor:	1:1	



Maximum location: X=-24.00, Y=-16.00

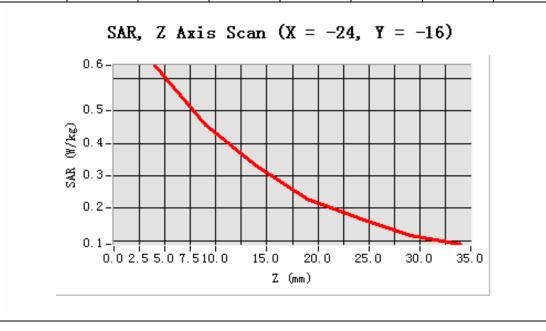
SAR 10g (W/Kg)	0.408827
SAR 1g (W/Kg)	0.610616

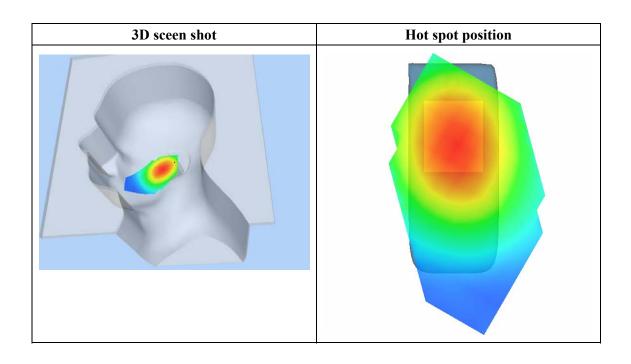




Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR	0.0000	0.6404	0.4568	0.3287	0.2296	0.1699	0.1169
(W/Kg)							









MEASUREMENT 2

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 20/6/2009

Measurement duration: 7 minutes 30 seconds

A. Experimental conditions.

Phantom File	sam_direct_droit2_surf8mm.txt
Phantom	Right head
Device Position	Cheek
Band	CDMA850
Channels	Middle
Signal	CDMA

B. SAR Measurement Results

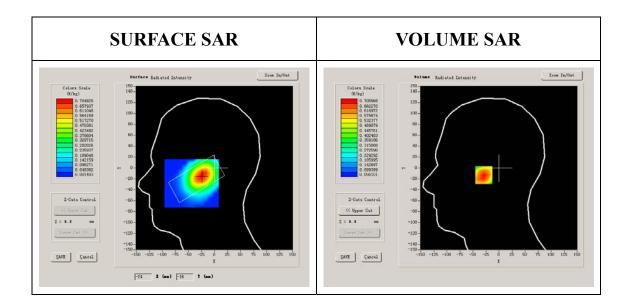
Middle Band SAR (Channel 384):

Frequency (MHz)	836.520020
Relative permittivity (real part)	41.790001
Relative permittivity	18.926250





Conductivity (S/m)	0.879566
Variation (%)	-1.940000
Ambient Temperature:	21.8°C
Liquid Temperature:	21.7°C
Probe Serial Number:	SN_3708_EP80
Crest factor:	1:1



Maximum location: X=-23.00, Y=-13.00

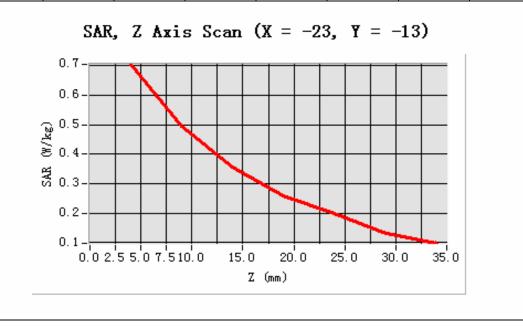
SAR 10g (W/Kg)	0.456291
SAR 1g (W/Kg)	0.682941

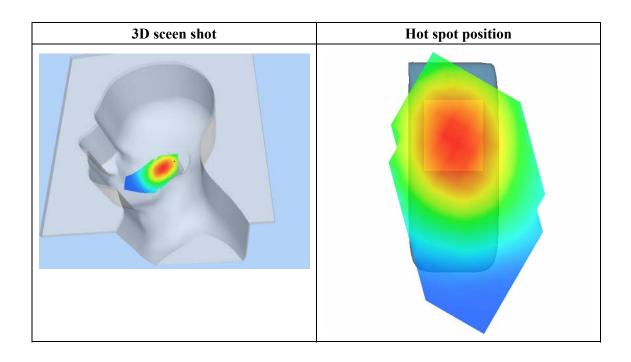




Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR	0.0000	0.7056	0.4943	0.3559	0.2601	0.1968	0.1301
(W/Kg)							







MEASUREMENT 3

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 20/6/2009

Measurement duration: 7 minutes 28 seconds

A. Experimental conditions.

Phantom File	sam_direct_droit2_surf8mm.txt
Phantom	Right head
Device Position	Cheek
Band	CDMA850
Channels	High
Signal	CDMA

B. SAR Measurement Results

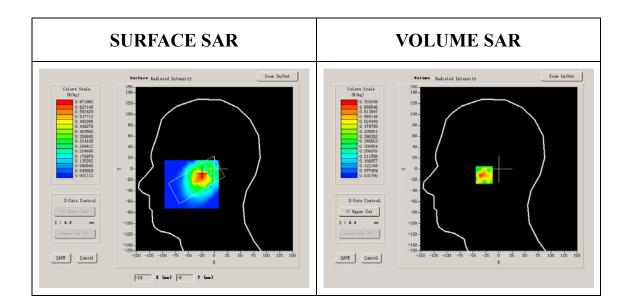
Higher Band SAR (Channel 777):

Frequency (MHz)	848.309998
Relative permittivity (real part)	41.790001
Relative permittivity	18.926250





Conductivity (S/m)	0.891963
Variation (%)	-1.379999
Ambient Temperature:	21.8°C
Liquid Temperature:	21.7°C
Probe Serial Number:	SN_3708_EP80
Crest factor:	1:1



Maximum location: X=-23.00, Y=-11.00

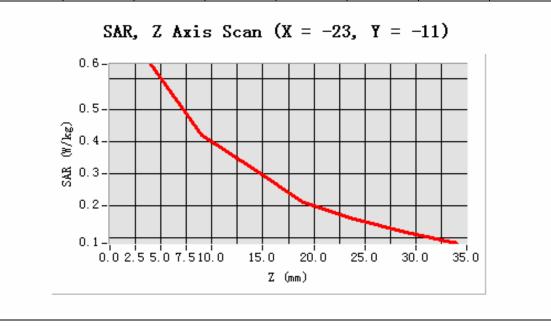
SAR 10g (W/Kg)	0.371073
SAR 1g (W/Kg)	0.668583

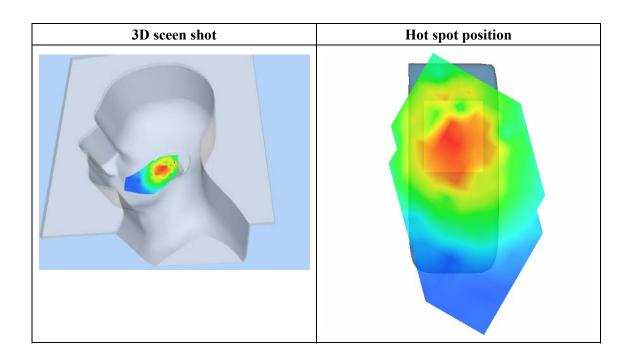




Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR	0.0000	0.6434	0.4218	0.3167	0.2117	0.1583	0.1167
(W/Kg)							







MEASUREMENT 4

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 20/6/2009

Measurement duration: 7 minutes 22 seconds

A. Experimental conditions.

Phantom File	sam_direct_droit2_surf8mm.txt
Phantom	Right head
Device Position	Tilt
Band	CDMA850
Channels	Low
Signal	CDMA

B. SAR Measurement Results

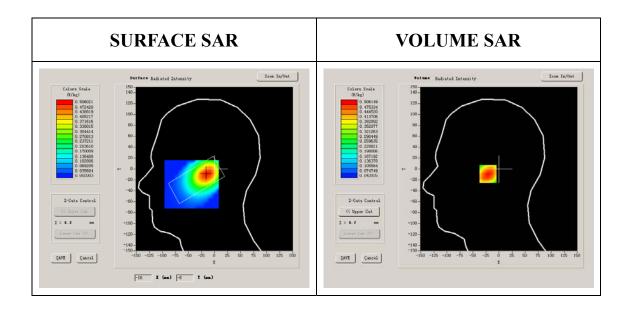
Lower Band SAR (Channel 1013):

Frequency (MHz)	824.700012
Relative permittivity (real part)	41.790001
Relative permittivity	18.926250



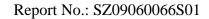


Conductivity (S/m)	0.867138
Variation (%)	-0.470000
Ambient Temperature:	21.8°C
Liquid Temperature:	21.7°C
Probe Serial Number:	SN_3708_EP80
Crest factor:	1:1



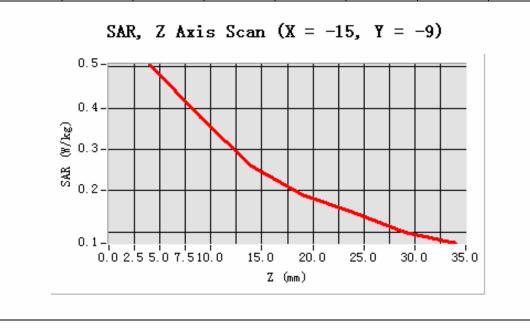
Maximum location: X=-15.00, Y=-9.00

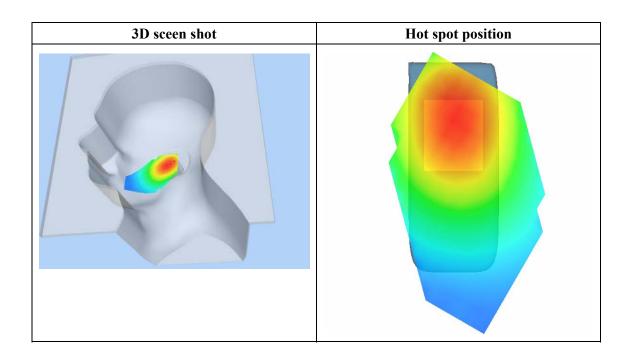
SAR 10g (W/Kg)	0.331340
SAR 1g (W/Kg)	0.487109





Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR	0.0000	0.5061	0.3766	0.2599	0.1911	0.1472	0.1005
(W/Kg)							







Report No.: SZ09060066S01

MEASUREMENT 5

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 20/6/2009

Measurement duration: 7 minutes 24 seconds

A. Experimental conditions.

Phantom File	sam_direct_droit2_surf8mm.txt		
Phantom	Right head		
Device Position	Tilt		
Band	CDMA850		
Channels	Middle		
Signal	CDMA		

B. SAR Measurement Results

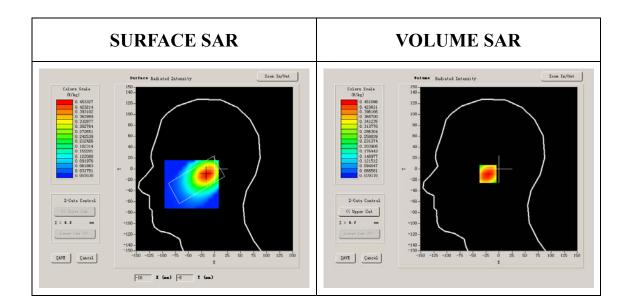
Middle Band SAR (Channel 384):

Frequency (MHz)	836.520020		
Relative permittivity (real part)	41.790001		
Relative permittivity	18.926250		





Conductivity (S/m)	0.879566		
Variation (%)	0.150000		
Ambient Temperature:	21.8°C		
Liquid Temperature:	21.7°C		
Probe Serial Number:	SN_3708_EP80		
Crest factor:	1:1		



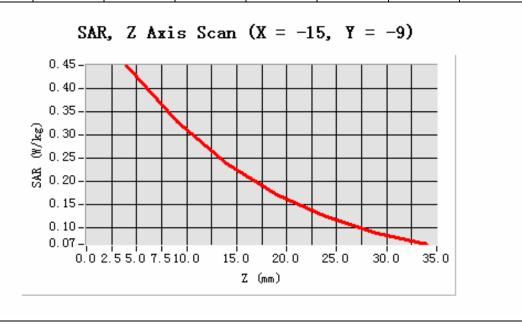
Maximum location: X=-15.00, Y=-9.00

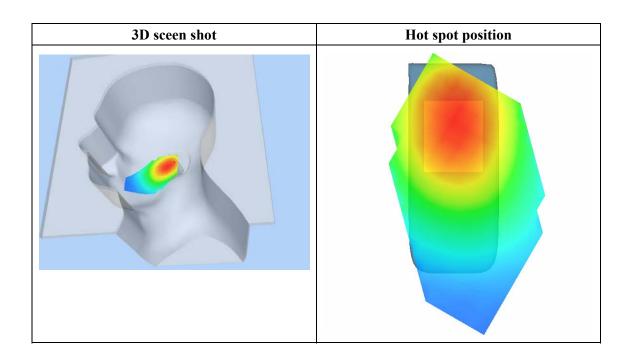
SAR 10g (W/Kg)	0.297552		
SAR 1g (W/Kg)	0.436453		





Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR	0.0000	0.4511	0.3303	0.2383	0.1731	0.1235	0.0898
(W/Kg)							







Report No.: SZ09060066S01

MEASUREMENT 6

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 20/6/2009

Measurement duration: 7 minutes 22 seconds

A. Experimental conditions.

Phantom File	sam_direct_droit2_surf8mm.txt		
Phantom	Right head		
Device Position	Tilt		
Band	CDMA850		
Channels	High		
Signal	CDMA		

B. SAR Measurement Results

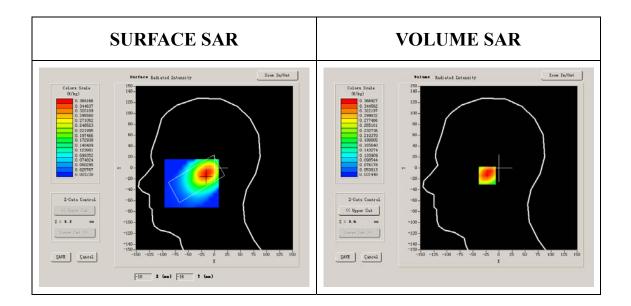
Higher Band SAR (Channel 777):

Frequency (MHz)	848.309998
Relative permittivity (real part)	41.790001
Relative permittivity	18.926250





Conductivity (S/m)	0.891963		
Variation (%)	-2.950000		
Ambient Temperature:	21.8°C		
Liquid Temperature:	21.7°C		
Probe Serial Number:	SN_3708_EP80		
Crest factor:	1:1		



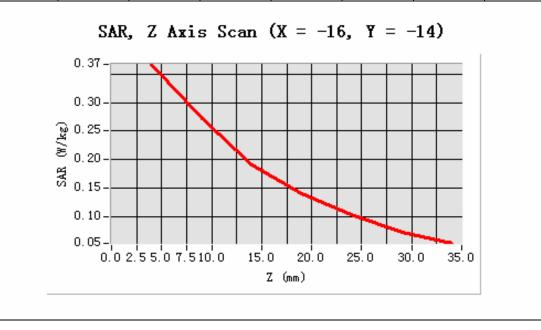
Maximum location: X=-16.00, Y=-14.00

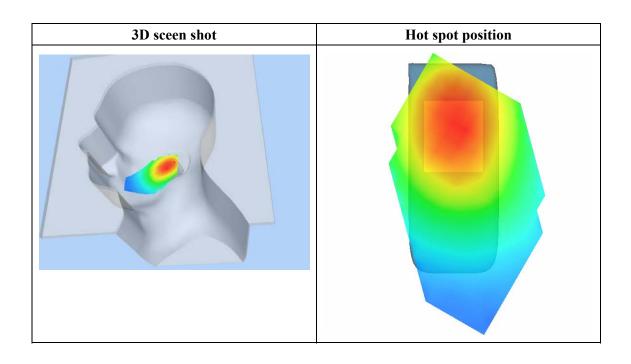
SAR 10g (W/Kg)	0.241122		
SAR 1g (W/Kg)	0.355684		





Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR	0.0000	0.3669	0.2729	0.1909	0.1400	0.1032	0.0730
(W/Kg)							







Report No.: SZ09060066S01

MEASUREMENT 7

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 20/6/2009

Measurement duration: 7 minutes 52 seconds

A. Experimental conditions.

Phantom File	sam_direct_droit2_surf8mm.txt		
Phantom	Left head		
Device Position	Cheek		
Band	CDMA850		
Channels	Low		
Signal	CDMA		

B. SAR Measurement Results

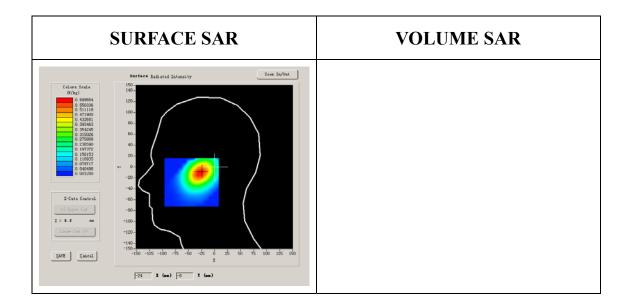
Lower Band SAR (Channel 9):

Frequency (MHz)	825.27
Relative permittivity (real part)	41.790001
Relative permittivity	18.926250



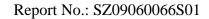


Conductivity (S/m)	0.867138
Variation (%)	0.360000
Ambient Temperature:	21.8°C
Liquid Temperature:	21.7°C
Probe Serial Number:	SN_3708_EP80
Crest factor:	1:1



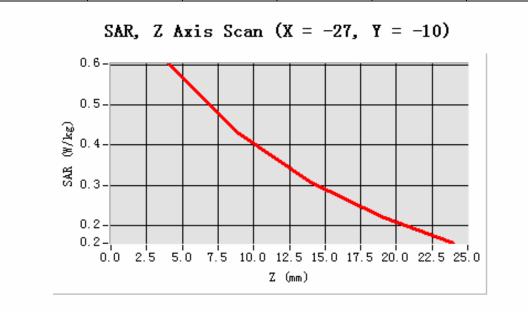
Maximum location: X=-27.00, Y=-10.00

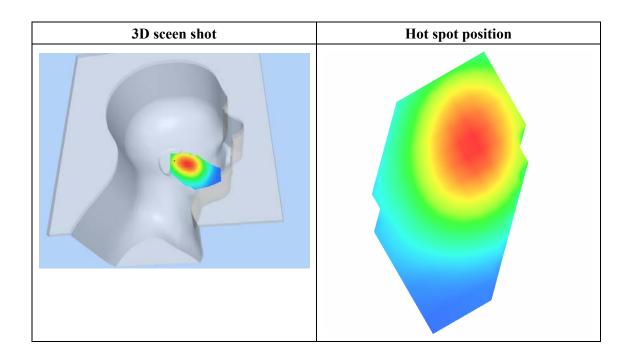
SAR 10g (W/Kg)	0.363814
SAR 1g (W/Kg)	0.563777





Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.0000	0.6020	0.4284	0.3063	0.2207







Report No.: SZ09060066S01

MEASUREMENT 8

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 20/6/2009

Measurement duration: 7 minutes 52 seconds

A. Experimental conditions.

Phantom File	sam_direct_droit2_surf8mm.txt
Phantom	Left head
Device Position	Cheek
Band	CDMA850
Channels	Middle
Signal	CDMA

B. SAR Measurement Results

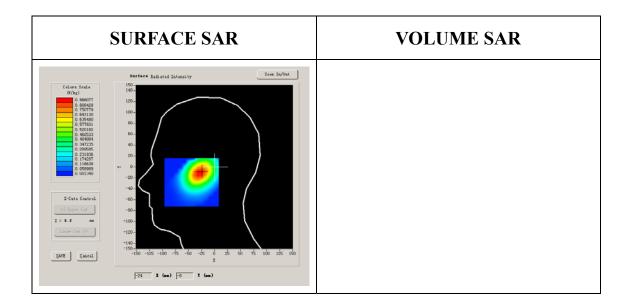
Middle Band SAR (Channel 384):

Frequency (MHz)	836.520020
Relative permittivity (real part)	41.790001
Relative permittivity	18.926250





Conductivity (S/m)	0.879566
Variation (%)	-0.340000
Ambient Temperature:	21.8°C
Liquid Temperature:	21.7°C
Probe Serial Number:	SN_3708_EP80
Crest factor:	1:1



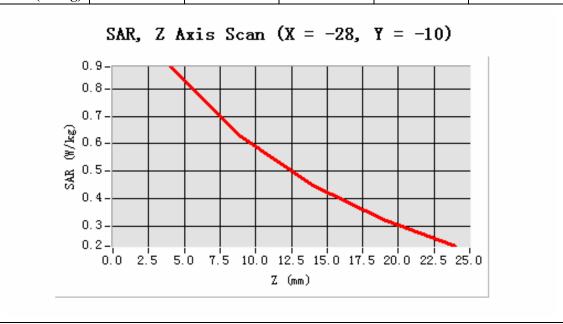
Maximum location: X=-28.00, Y=-10.00

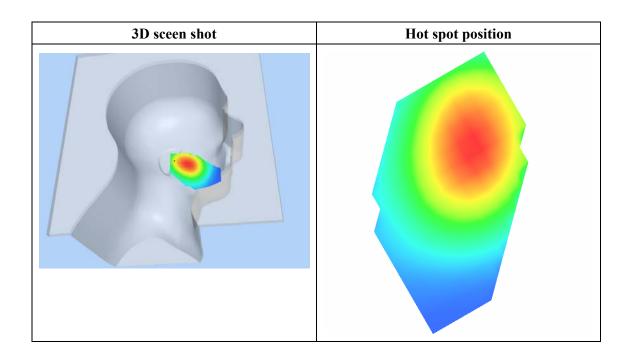
SAR 10g (W/Kg)	0.312635
SAR 1g (W/Kg)	0.636141

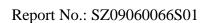




Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.0000	0.8786	0.6273	0.4494	0.3238









Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 20/6/2009

Measurement duration: 7 minutes 52 seconds

A. Experimental condition

Phantom File	sam_direct_droit2_surf8mm.txt	
Phantom	Left head	
Device Position	Cheek	
Band	CDMA850	
Channels	High	
Signal	CDMA	

B. SAR Measurement Results

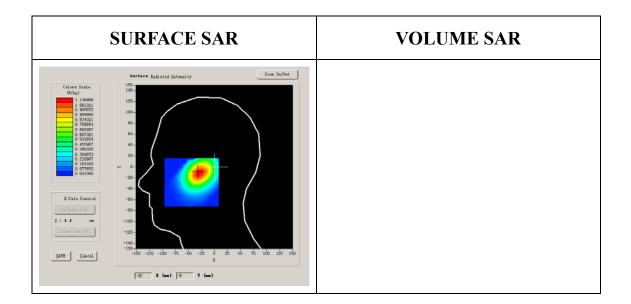
Higher Band SAR (Channel 758):

Frequency (MHz)	847.74
Relative permittivity (real part)	41.790001
Relative permittivity	18.926250



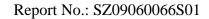


Conductivity (S/m)	0.891963
Variation (%)	-0.140000
Ambient Temperature:	21.8°C
Liquid Temperature:	21.7°C
Probe Serial Number:	SN_3708_EP80
Crest factor:	1:1



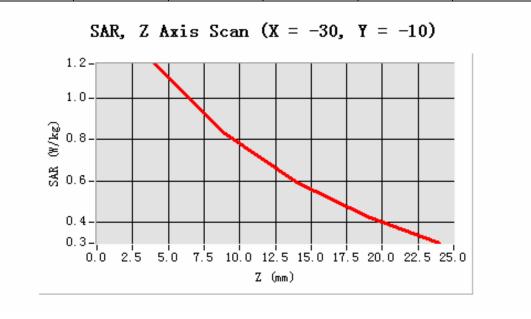
Maximum location: X=-30.00, Y=-10.00

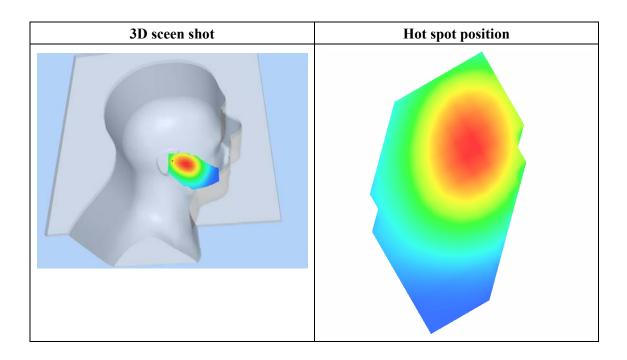
SAR 10g (W/Kg)	0.376164	
SAR 1g (W/Kg)	0.638188	

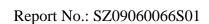




Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.0000	1.1628	0.8293	0.5931	0.4264









Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 20/6/2009

Measurement duration: 7 minutes 50 seconds

A. Experimental conditions.

Phantom File	sam_direct_droit2_surf8mm.txt	
Phantom	Left head	
Device Position	Tilt	
Band	CDMA850	
Channels	Low	
Signal	CDMA	

B. SAR Measurement Results

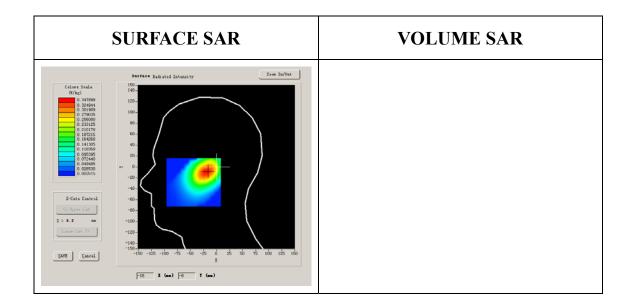
Lower Band SAR (Channel 9):

Frequency (MHz)	825.27	
Relative permittivity (real part)	41.790001	
Relative permittivity	18.926250	



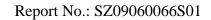


Conductivity (S/m)	0.867138
Variation (%)	-2.640000
Ambient Temperature:	21.8°C
Liquid Temperature:	21.7°C
Probe Serial Number:	SN_3708_EP80
Crest factor:	1:1



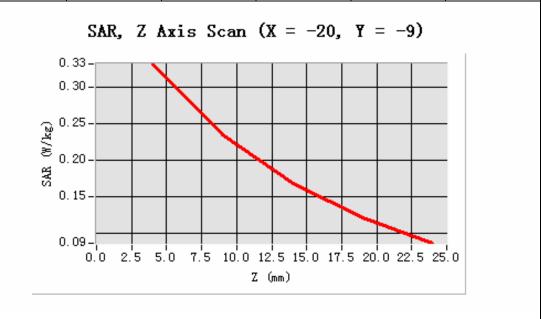
Maximum location: X=-20.00, Y=-9.00

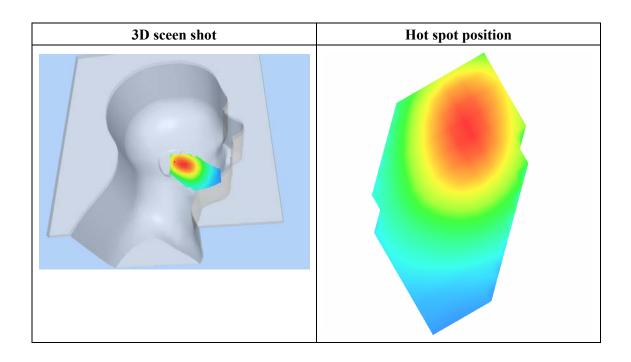
SAR 10g (W/Kg)	0.204885	
SAR 1g (W/Kg)	0.325414	

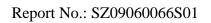




Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.0000	0.3315	0.2350	0.1678	0.1212









Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 20/6/2009

Measurement duration: 7 minutes 51 seconds

A. Experimental conditions.

Phantom File	sam_direct_droit2_surf8mm.txt
Phantom	Left head
Device Position	Tilt
Band	CDMA850
Channels	Middle
Signal	CDMA

B. SAR Measurement Results

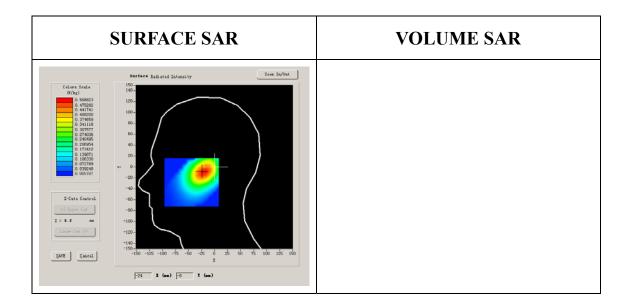
Middle Band SAR (Channel 384):

Frequency (MHz)	836.520020
Relative permittivity (real part)	41.790001
Relative permittivity	18.926250





Conductivity (S/m)	0.879566
Variation (%)	-0.460000
Ambient Temperature:	21.8°C
Liquid Temperature:	21.7°C
Probe Serial Number:	SN_3708_EP80
Crest factor:	1:1



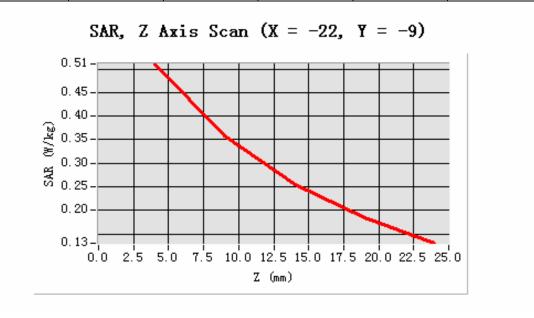
Maximum location: X=-22.00, Y=-9.00

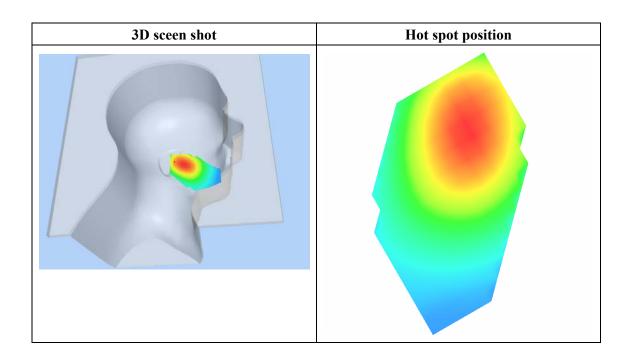
SAR 10g (W/Kg)	0.232551	
SAR 1g (W/Kg)	0.362511	

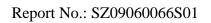




Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.0000	0.5107	0.3583	0.2540	0.1830









Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 20/6/2009

Measurement duration: 7 minutes 53 seconds

A. Experimental conditions.

Phantom File	sam_direct_droit2_surf8mm.txt
Phantom	Left head
Device Position	Tilt
Band	CDMA850
Channels	High
Signal	CDMA

B. SAR Measurement Results

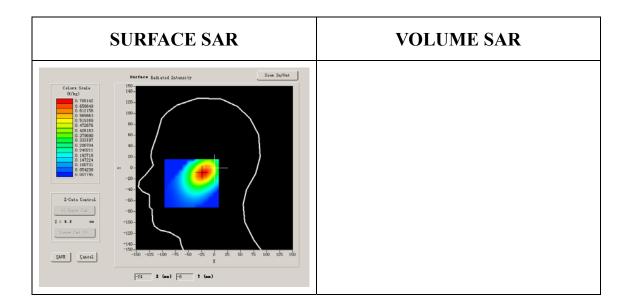
Higher Band SAR (Channel 758):

Frequency (MHz)	847.74
Relative permittivity (real part)	41.790001
Relative permittivity	18.926250





Conductivity (S/m)	0.891963	
Variation (%)	-0.390000	
Ambient Temperature:	21.8°C	
Liquid Temperature:	21.7°C	
Probe Serial Number:	SN_3708_EP80	
Crest factor:	1:1	



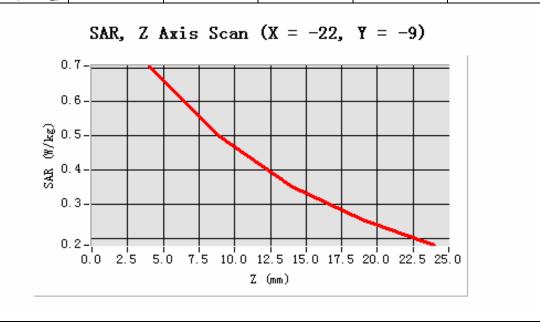
Maximum location: X=-22.00, Y=-9.00

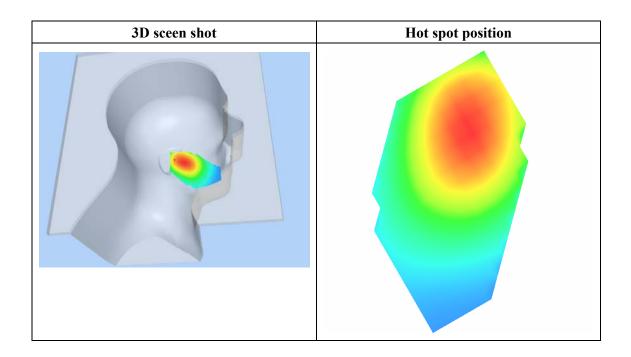
SAR 10g (W/Kg)	0.216369
SAR 1g (W/Kg)	0.373871





Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.0000	0.7053	0.4967	0.3528	0.2538









Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 20/6/2009

Measurement duration: 9 minutes 6 seconds

A. Experimental conditions.

Phantom File	surf_sam_plan.txt	
Phantom	Validation plane	
Device Position	Body	
Band	CDMA850	
Channels	Low	
Signal	CDMA	

B. SAR Measurement Results

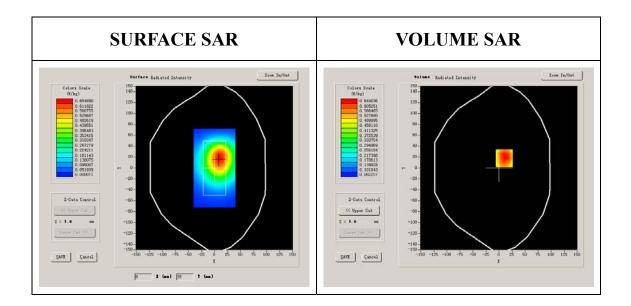
Lower Band SAR (Channel 1013):

Frequency (MHz)	824.700012
Relative permittivity (real part)	54.116001
Relative permittivity	21.284550



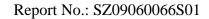


Conductivity (S/m)	0.975187	
Variation (%)	0.030000	
Ambient Temperature:	21.8°C	
Liquid Temperature:	21.7°C	
Probe Serial Number:	SN_3708_EP80	
Crest factor:	1:1	



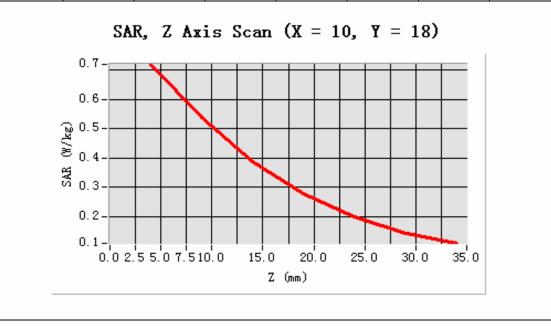
Maximum location: X=10.00, Y=18.00

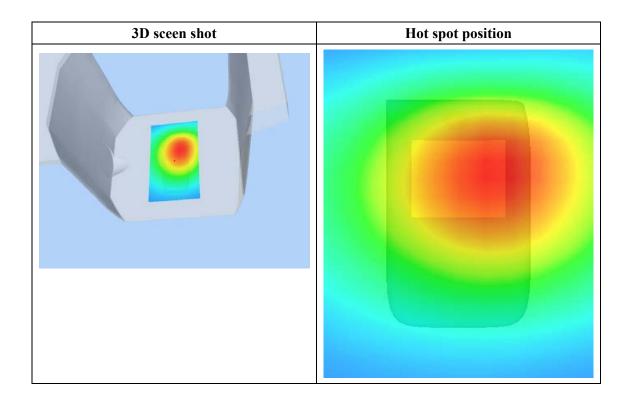
SAR 10g (W/Kg)	0.487278
SAR 1g (W/Kg)	0.706791

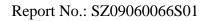




Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR	0.0000	0.7200	0.5394	0.3883	0.2784	0.1998	0.1438
(W/Kg)							









Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 20/6/2009

Measurement duration: 9 minutes 10 seconds

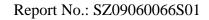
A. Experimental conditions.

Phantom File	surf_sam_plan.txt	
Phantom	Validation plane	
Device Position	Body	
Band	CDMA850	
Channels	Middle	
Signal	CDMA	

B. SAR Measurement Results

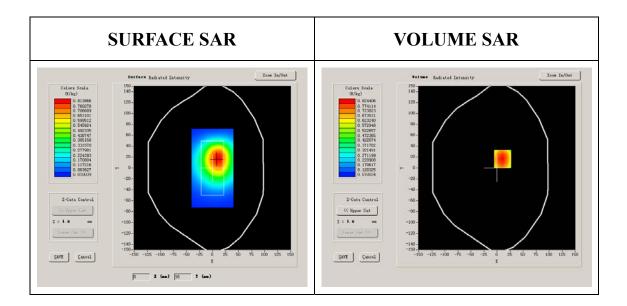
Middle Band SAR (Channel 384):

Frequency (MHz)	836.520020	
Relative permittivity (real part)	54.116001	
Relative permittivity	21.284550	



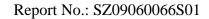


Conductivity (S/m)	0.989164	
Variation (%)	-2.090000	
Ambient Temperature:	21.8°C	
Liquid Temperature:	21.7°C	
Probe Serial Number:	SN_3708_EP80	
Crest factor:	1:1	



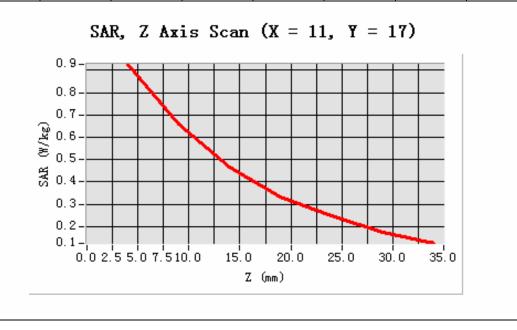
Maximum location: X=11.00, Y=17.00

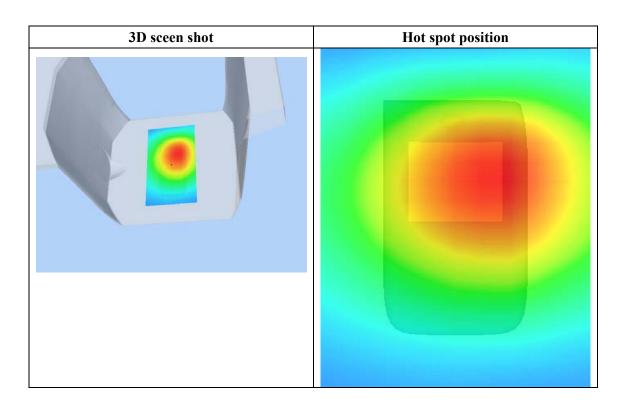
SAR 10g (W/Kg)	0.607827
SAR 1g (W/Kg)	0.890840

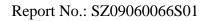




Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR	0.0000	0.9271	0.6601	0.4681	0.3339	0.2487	0.1761
(W/Kg)							









Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 20/6/2009

Measurement duration: 9 minutes 2 seconds

A. Experimental conditions.

Phantom File	surf_sam_plan.txt	
Phantom	Validation plane	
Device Position	Body	
Band	CDMA850	
Channels	High	
Signal	CDMA	

B. SAR Measurement Results

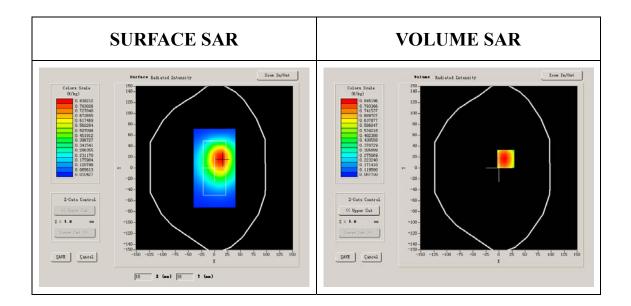
Higher Band SAR (Channel 777):

Frequency (MHz)	848.309998
Relative permittivity (real part)	54.116001
Relative permittivity	21.284550



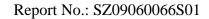


Conductivity (S/m)	1.003105	
Variation (%)	-3.330000	
Ambient Temperature:	21.8°C	
Liquid Temperature:	21.7°C	
Probe Serial Number:	SN_3708_EP80	
Crest factor:	1:1	



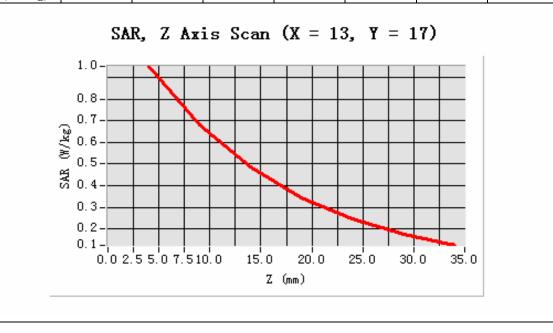
Maximum location: X=13.00, Y=17.00

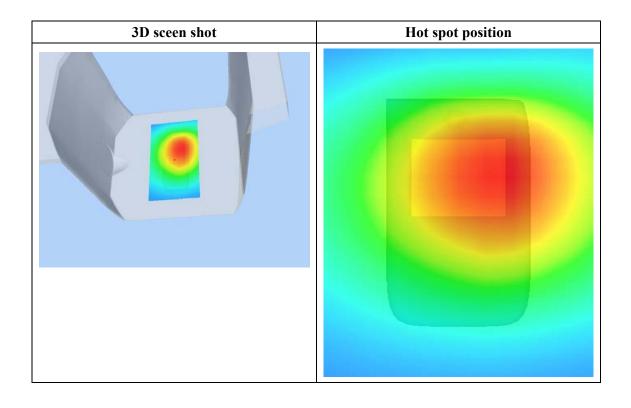
SAR 10g (W/Kg)	0.629521
SAR 1g (W/Kg)	0.921324





Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR	0.0000	0.9505	0.6802	0.4850	0.3464	0.2475	0.1751
(W/Kg)							









Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 20/6/2009

Measurement duration: 9 minutes 6 seconds

A. Experimental conditions.

Phantom File	surf_sam_plan.txt	
Phantom	Validation plane	
Device Position	Body	
Band	CDMA850	
Channels	High	
Signal	CDMA	

B. SAR Measurement Results

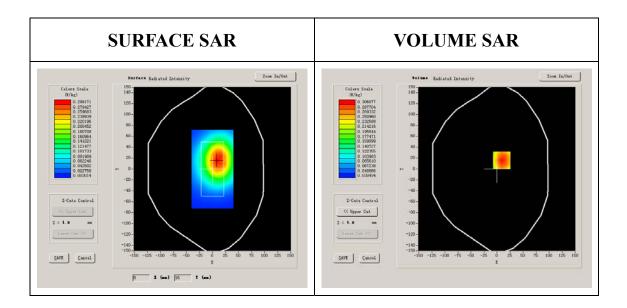
Higher Band SAR (Channel 777):

Frequency (MHz)	848.309998
Relative permittivity (real part)	54.116001
Relative permittivity	21.284550





Conductivity (S/m)	1.003105	
Variation (%)	-0.730000	
Ambient Temperature:	21.8°C	
Liquid Temperature:	21.7°C	
Probe Serial Number:	SN_3708_EP80	
Crest factor:	1:1	



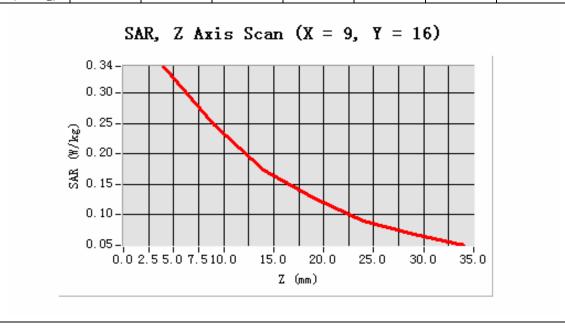
Maximum location: X=9.00, Y=16.00

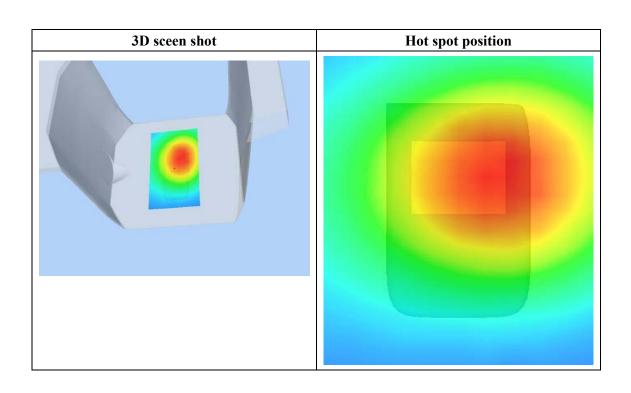
SAR 10g (W/Kg)	0.223937
SAR 1g (W/Kg)	0.327857





Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR	0.0000	0.3442	0.2471	0.1740	0.1280	0.0906	0.0689
(W/Kg)							









Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 20/6/2009

Measurement duration: 9 minutes 2 seconds

A. Experimental conditions.

Phantom File	surf_sam_plan.txt		
Phantom	Validation plane		
Device Position	Body		
Band	CDMA850		
Channels	High		
Signal	CDMA		

B. SAR Measurement Results

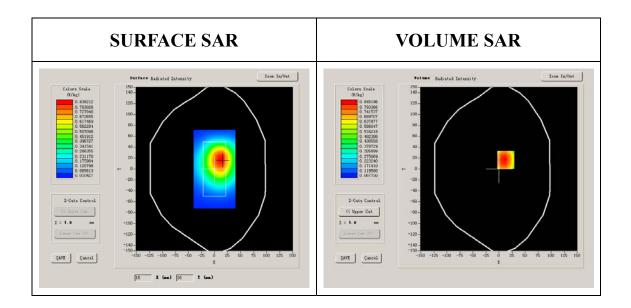
Higher Band SAR (Channel 777):

Frequency (MHz)	848.309998
Relative permittivity (real part)	54.116001
Relative permittivity	21.284550



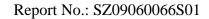


Conductivity (S/m)	1.003105	
Variation (%)	-3.330000	
Ambient Temperature:	21.8°C	
Liquid Temperature:	21.7°C	
Probe Serial Number:	SN_3708_EP80	
Crest factor:	1:1	



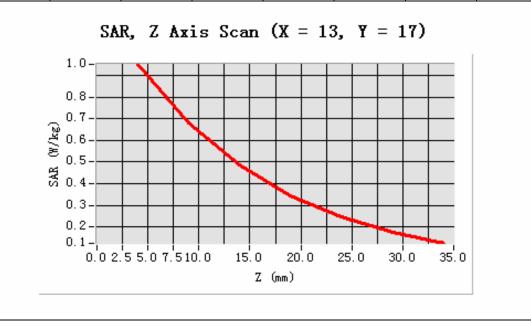
Maximum location: X=13.00, Y=17.00

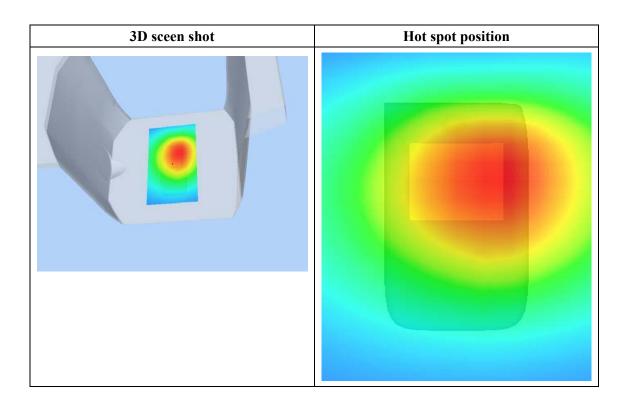
SAR 10g (W/Kg)	0.612663
SAR 1g (W/Kg)	0.906866

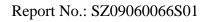




Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR	0.0000	0.9505	0.6802	0.4850	0.3464	0.2475	0.1751
(W/Kg)							









System Performance Check Data(Head)

Type: Validation measurement (Very fast, 27 points in the volume)

Date of measurement: 20/6/2009

Measurement duration: 5 minutes 27 seconds

Mobile Phone IMEI number: --

A. Experimental conditions.

Phantom File	surf_sam_plan.txt
Phantom	Validation plane
Device Position	
Band	835MHz
Channels	
Signal	CDMA

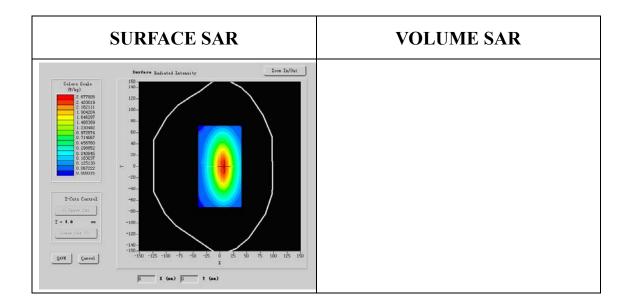
B. SAR Measurement Results

Band SAR

Frequency (MHz)	835.000000
Relative permittivity (real part)	51.540001
Relative permittivity (imaginary	15.070000



part)	
Conductivity (S/m)	1.003105
Variation (%)	-0.050000



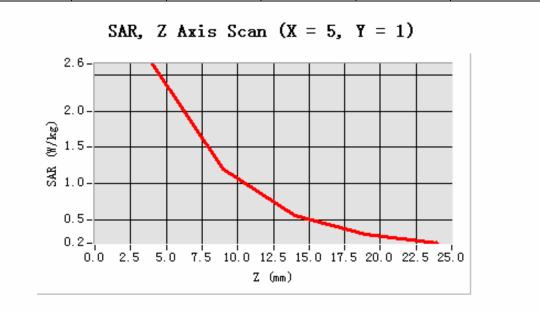
Maximum location: X=5.00, Y=1.00

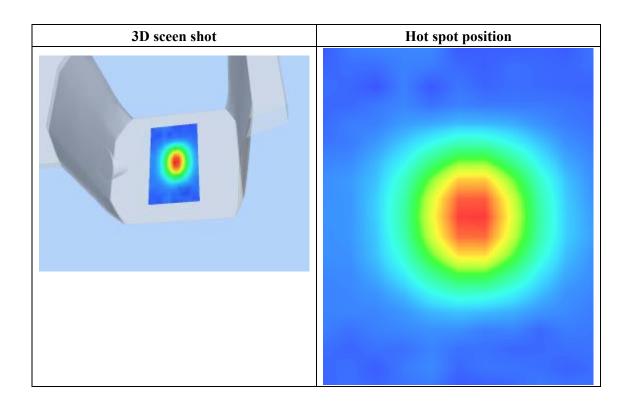
SAR 10g (W/Kg)	1.463454		
SAR 1g (W/Kg)	2.853974		

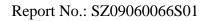




Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.0000	2.6486	1.2069	0.5583	0.3002









System Performance Check Data(Body)

Type: Validation measurement (Very fast, 27 points in the volume)

Date of measurement: 20/6/2009

Measurement duration: 5 minutes 27 seconds

Mobile Phone IMEI number: --

A. Experimental conditions.

Phantom File	surf_sam_plan.txt
Phantom	Validation plane
Device Position	
Band	835MHz
Channels	
Signal	CDMA

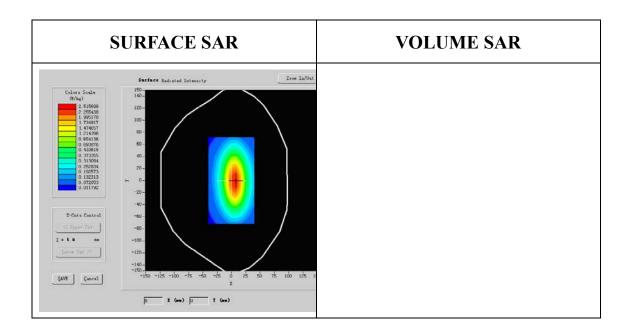
B. SAR Measurement Results

Band SAR

Frequency (MHz)	835.000000
Relative permittivity (real part)	51.540001
Relative permittivity (imaginary	15.070000

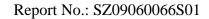


part)	
Conductivity (S/m)	1.003105
Variation (%)	-0.140000



Maximum location: X=5.00, Y=1.00

SAR 10g (W/Kg)	1.197459
SAR 1g (W/Kg)	2.435775





Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.0000	2.8536	1.3061	0.6041	0.3211

