



ShenZhen Electronic Product Quality Testing Center

CONFORMANCE TEST REPORT FOR HUMAN EXPOSURE TO ELECTROMAGNETIC FIELDS

SAR06_010

Guangzhou Jinpeng Telecommunication Industrial Co.,Ltd
CDMA 1X mobile phone

Type Name: T100

FCC ID: T2M01200603

Hardware Version: P2.3

Software Version: 2.0.31.53.1

Date of Issue: 2006-3-10











GENERAL SUMMARY

Product Name	CDMA 1X mobile phone	Development Stage	MP
	47CFR § 2.1093: Radiofrequency Radiation FCC OET Bulletin 65 (Edition 97-01), Compliance with FCC Guidelines for Human Fields ANSI C95.1–1999: IEEE Standard for Exposure to Radio Frequency Electromagnet IEEE 1528–2003: Recommended Practice Specific Absorption Rate (SAR) in the Human Devices: Experimental Techniques.	Supplement C (Edition Exposure to Radiofred Safety Levels with its Fields, 3 kHz to 300 for Determining the	ion 01-01): Evaluating quency Electromagnetic Respect to Human GHz. Peak Spatial-Average
Conclusion	Localized Specific Absorption Rate (SAR) of measured in all cases requested by the relevance report. Maximum localized SAR is below expecited in Clause 5.1 of this test report. General Judgment: Pass	evant standards cited in	Clause 5.2 of this tes
Comment	TX Freq. Band: 825.25 MHz —847.75 MHz RX Freq. Band: 870.25 MHz —892.75 MHz Antenna Character: build inside The test result only responds to the measured		
Tested Checked	Lijun Liang	Date: Man lotte	2006
	Smart Li	Date: Mour. 11, 2	



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1. GENERAL CONDITIONS

- 1.1 This report only refers to the item that has undergone the test.
- 1.2 This report standalone dose not constitute or imply by its own an approval of the product by the certification Bodies or competent Authorities.
- 1.3 This document is only valid if complete; no partial reproduction can be made without written approval of Shenzhen Electronic Product Quality Testing Center.
- 1.4 This report cannot be used partially or in full for publicity and/or promotional purposes without previous written approval of Shenzhen Electronic Product Quality Testing Center and the Accreditation Bodies, if it applies.



2. Administrative Date

2.1. Identification of the Responsible Testing Laboratory

Company Name: ShenZhen Electronic Product Quality Testing Center

Department: Testing Department

Address: Electronic Testing Building, ShaHe Road, NanShan District,

ShenZhen, P. R. China

Telephone: +86-755-26628676 **Fax:** +86-755-26627238

Responsible Test Lab

Managers:

Mr. Wang Keqin

2.2. Identification of the Responsible Testing Location(s)

Company Name: ShenZhen Electronic Product Quality Testing Center

Address: Electronic Testing Building, ShaHe Road, NanShan District,

ShenZhen, P. R. China

2.3. Organization Item

S.E.T Report No.: SAR06_010
S.E.T Project Leader: Mr. Li Sixiong

S.E.T Responsible for

Mr. Wang Keqin

accreditation scope:

Start of Testing: 2005-3-1 End of Testing: 2006-3-4

2.4.Identification of Applicant

Company Name: Guangzhou Jinpeng Telecommunication Industrial Co.,Ltd **Address:** No.9 Shenzhou Road,Science City,Guangzhou,P.R.China

Contact person: Zhu yanfei

Telephone: +8620 85571601-8100

Fax: +8620 32068126

2.5.Identification of Manufacture

Company Name: Guangzhou Jinpeng Telecommunication Industrial Co.,Ltd **Address:** No.9 Shenzhou Road,Science City,Guangzhou,P.R.China

Contact person: Zhu yanfei

Telephone: +8620 85571601-8100 **Fax:** +8620 32068126

Notes: This data is based on the information by the applicant.



3. Equipment Under Test (EUT)

3.1.Identification of the Equipment under Test

Brand Name:JinPengType Name:T100Marking Name:T100

Test frequency CDMA 800MHz
Battery type JP-B00906500
Battery specification 650mAh 3.7V

General description: Antenna specification Build inside

Operation mode Call established

Modulation mode CDMA

Max. Power(ERP) 0.210w(23.22dBm)

3.2.Identification of all used Test Sample of the Equipment under Test

EUT Code	ESN	Hardware Version	Software Version	MIN
N.A.	00000000	P2.3	2.0.31.53.1	404001056000000



4 OPERATIONAL CONDITIONS DURING TEST

commanded to operate at maximum transmitting power.

4.1 Schematic Test Configuration

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 TCH is allocated to 9, 384 and 758 respectively in the case of CDMA 800 MHz. The EUT is

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.

4.2 SAR Measurement System

The SAR measurement system being used is the IndexSAR SARA2 system, which consists of a

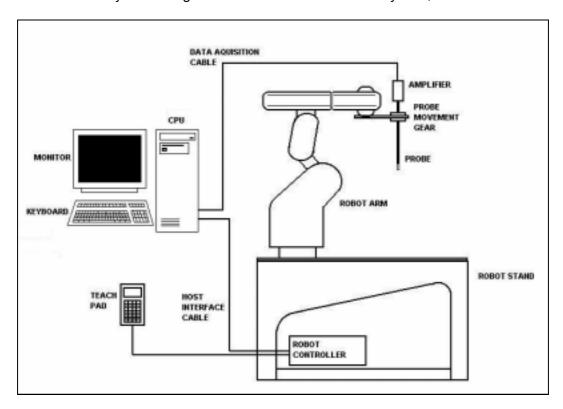


Figure 1. SAR Lab Test Measurement Set-up

Mitsubishi RV-E2 6-axis robot arm and controller, IndexSAR probe and amplifier and SAM phantom



Head Shape. The system is controlled remotely from a PC, which contains the software to control the robot and data acquisition equipment. The software also displays the data obtained from test scans, and determine the averaged SAR values (averaging region 1 gram or 10 gram) for compliance testing. The measurements are done by two scan: first a coarse scan (2-Division) determines the region of the maximum SAR, afterwards the averaged SAR is measured in a second san within the shape of a cube. The measurement time takes about 20 minutes.

4.2.1 Robot system specification

The robot is used to articulate the probe to programmed positions inside the phantom head to obtain the SAR readings from the DUT.



Robot and Stand

Type Mitsubishi Movemaster RV-2A / 6 axis vertical

articulated robot

Dimensions (robot) Height: 790mm (in home position)

Dimensions (robot stand) 1010L x 450W x 820H mm

Weight Approx. 36 kg
Position repeatability +/- 0.04mm

Drive Method AC servomotor

Expandability Extra axis expansion capability for probe

calibration applications E-Field probe



Robot Controller Unit

Type CR1 - 571

Dimensions 212W x 290D x 151H mm

Weight 8 kg

Power source single-phase 100 - 240 VAC

4.2.2 Probe and amplifier specification

IXP-050 Indexsar isotropic immersible SAR probe

The probes are constructed using three orthogonal dipole sensors arranged on an interlocking, triangular prism core. The probes have built-in shielding against static charges and are contained within a PEEK



cylindrical enclosure material at the tip (showed in figure 2). The system uses diode compression potential (DCP) to determine SAR values for different types of modulation. Crest factor is not used for determining SAR values. The DCP for different types of modulation is determined during the probe calibration procedure.

	E-filed Probe	
	Туре	Three orthogonal dipole sensors arranged on
	туре	Three orthogonal dipole sensors arranged on triangular, interlocking substrates Overall length: 350mm Tip length: 10mm Body diameter: 12mm Tip diameter: 5mm Distance from probe tip to dipole centers: 2.5mm Lemo 6 pole latching connector for interfacing to high impedance amplifier +/- 0.5dB in brain liquids (rotation about probe axis) typically +/- 0.15dB +/- 0.5dB in brain liquids (rotation normal to probe axis) Indexsar calibration in brain tissue simulating liquids at frequency of 900MHz, 1800MHz and 1900MHz
		Overall length: 350mm
		Tip length: 10mm
4	Dimensions	Body diameter: 12mm
*		Tip diameter: 5mm
		Distance from probe tip to dipole centers: 2.5mm
	Interfecing	Lemo 6 pole latching connector for interfacing to high
	Interfacing	impedance amplifier
		+/- 0.5dB in brain liquids (rotation about probe axis)
	Isotropy	typically +/- 0.15dB
		+/- 0.5dB in brain liquids (rotation normal to probe axis)
	Calibration	Indexsar calibration in brain tissue simulating liquids at
	Calibration	frequency of 900MHz, 1800MHz and 1900MHz
	Dynamic Range	0.001W/kg to 100W/kg in liquid. Linearity +/- 0.2W/kg

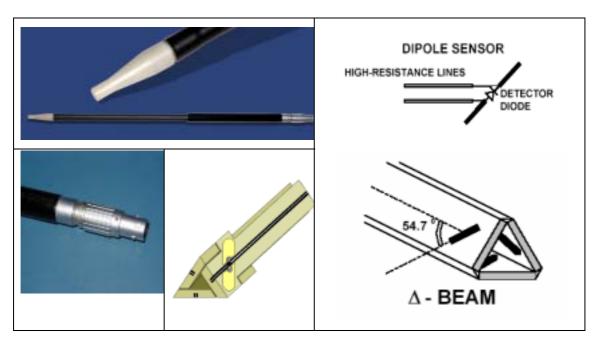
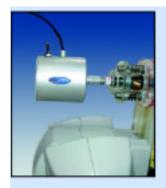


Figure 2. Specification and characterisation parameters of indexsar probe



IFA-010 Amplifier

The amplifier unit has a multi-pole connector to connect to the probe and a multiplexer selects between the 3-channel single-ended inputs. A 16-bit AtoD converter with programmable gain is used along with an on-board micro-controller with non-volatile firmware. Battery life is around 150 hours and data are transferred to the PC via 3m of duplex optical fibre and a self-powered RS232 to optical converter.



Probe Amplifier and PC Interface

Type High impedance inputs with 3 independent x,y,z sensor

channels giving simultaneous measurement data every 2ms. Reads true average of modulated signals without the need

for duty cycle corrections

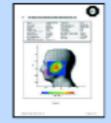
Ranges Software selectable of x1 to 63

Cable Optical cable with self-powered 9 way RS232 converter.

3m cable length supplied as standard.

Other lengths to order.

Power Requirements 2 x AAA batteries giving approximately 100 hours usage.



'Word' report format

The results of each frequency scan are presented in a Microsoft 'Word' document with all the necessary measurement parameters automatically tabulated. Users can customise the layout and in some cases language changes are possible.

4.2.3 Phantoms and simulant liquid

4.2.3.1 SAR head phantom (SAM)

The Indexsar SAM Upright Phantom is fabricated to the shape defined in these CAD files by Antennessa.



Head Phantom

Type 2 Upright SAM phantom

Dimensions Height: 320mm

Baseplate diameter: 275mm

Weight empty: 1.2 kg filled: 7.2 kg

Wall thickness 2.0 mm ±0.2

Construction Low loss resin / Strengthened

saggital seam

It is mounted on the base table, which holds the robotic positioner. Both mechanical and laser-based

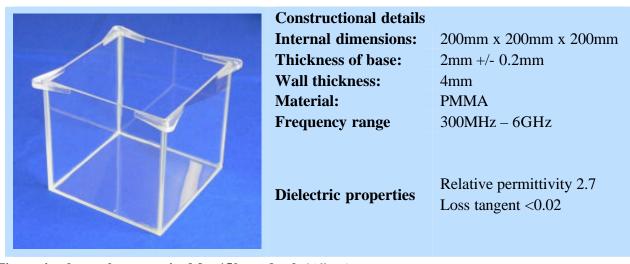


registration systems are utilised to register the phantom position in relationship to the robot co-ordinate system. In the SARA2 implementation, the SAM phantom is mounted on a supporting table made of low dielectric loss material, which includes mounting brackets for DUT positioners, dipole holders and (optionally) a shelf for supporting larger devices like laptop computers.

4.2.3.2 Box phantom

The box phantom used for body testing and for validation is manufactured from Perspex.

IXB – 070 Specification and characterisation parameters



Tissue-simulant volume required for 150mm depth (6 litres)

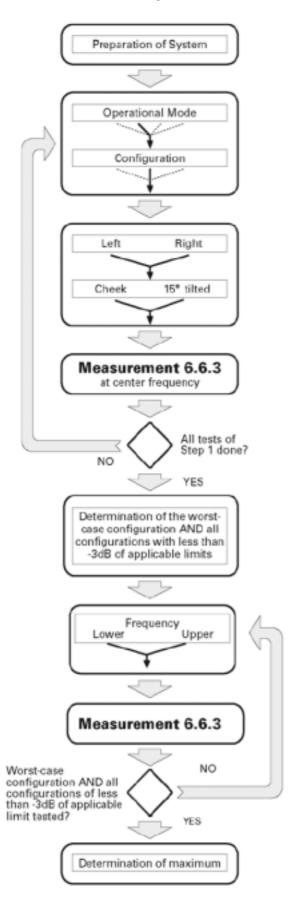
4.2.3.3 Simulant liquids

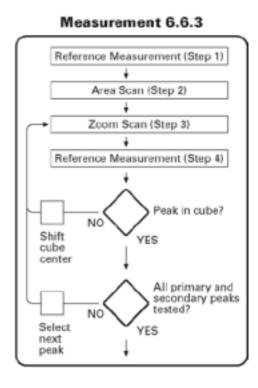
Simulant liquids that are used for testing at frequencies of PCS 1900MHz, which are made mainly of sugar, salt and water solutions may be left in the phantoms. Approximately 7litres are needed for an upright head compared to about 7litres for a horizontal bath phantom.

Ingredients	Frequenc	cy(MHz)
(% by weight)	80	00
Tissue Type	Head	Body
Water	40.92	56.0
Salt(NaCl)	1.48	0.76
Sugar	56.5	41.76
HEC	1	1.21
Bacterial de	0.0	0.0
DGBE	0.0	0.0
Acticide SPX	0.1	0.27
Dielectric Constant	41.44	52.99
Conductivity (S/m)	0.99	1.12



4.2.4 SAR measurement procedure







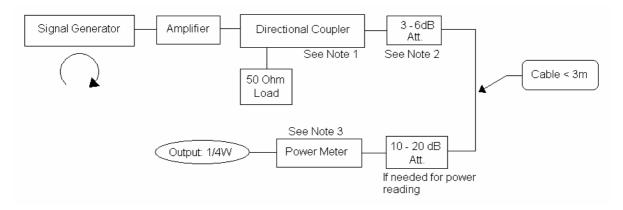
Channel	Left			Right				
	Ch	eek	T	ilt	Ch	eek	Tilt	
	Retracted	Extended	Retracted	Extended	Retracted	Extended	Retracted	Extended
Mode 1:								
High			S2(-1.4dB)	S2(-0.4dB)			S2(-2.2dB)	S2(-1.4dB)
Middle	S1(-4dB)	S1(-4dB)	S1(-1.5dB)	S1(-0.5dB)	S1(-5dB)	S1(-5dB)	S1(-2.5dB)	S1(-1.5dB)
Low			S2(-1.3dB)	S2(-0.7dB)			S2(-2.7dB)	S2(-0.6dB)
Mode 2:								
High			S2(-2.7dB)	S2(-1.1dB)				
Middle	S1(-5dB)	S1(-5dB)	S1(-2.5dB)	S1(-1dB)	S1(-6dB)	S1(-6dB)	S1(-5dB)	S1(-5dB)
Low			S2(-2.2dB)	S2(-0.8dB)				

After an area scan has been done at a fixed distance of 8mm from the surface of the phantom on the source side, a 3D scan is set up around the location of the maximum spot SAR. First, a point within the scan area is visited by the probe and a SAR reading taken at the start of testing. At the end of testing, the probe is returned to the same point and a second reading is taken. Comparison between these start and end readings enables the power drift during measurement to be assessed.

Above is the scanning procedure flow chart and table from the IEEE P2.3528 standard. This is the procedure for which all compliant testing should be carried out to ensure that all variations of the device position and transmission behaviour are tested.

4.2.5 Validation testing using box phantoms

The following procedure, recommended for performing validation tests using box phantoms is based on the procedures described in the draft IEEE standard P1528. Setup according to the setup diagram below:



With the SG and Amp and with directional coupler in place, set up the source signal at the relevant

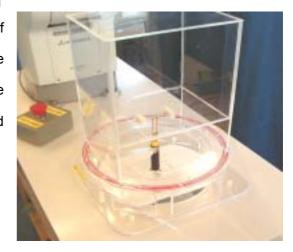


frequency and use a power meter to measure the power at the end of the SMA cable that you intend to connect to the balanced dipole. Adjust the SG to make this, say, 0.25W (24 dBm). If this level is too high to read directly with the power meter sensor, insert a calibrated attenuator (e.g. 10 or 20 dB) and make a suitable correction to the power meter reading.

- Note 1: In this method, the directional coupler is used for monitoring rather than setting the exact feed power level. If, however, the directional coupler is used for power measurement, you should check the frequency range and power rating of the coupler and measure the coupling factor (referred to output) at the test frequency using a VNA.
- Note 2: Remember that the use of a 3dB attenuator (as shown in Figure 8.1 of P1528) means that you need an RF amplifier of 2 times greater power for the same feed power. The other issue is the cable length. You might get up to 1dB of loss per meter of cable, so the cable length after the coupler needs to be quite short.
- Note 3: For the validation testing done using CW signals, most power meters are suitable. However, if you are measuring the output of a modulated signal from either a signal generator or a handset, you must ensure that the power meter correctly reads the modulated signals.

4.2.5.1 Setting up the box phantom for validation testing

The main purpose of the box phantom is for validation of the system. By placing the box phantom in place of the upright head, using the box phantom dipole holder the system can now be used to check that the probe and software are giving accurate readings.



4.2.5.2 Equipments and results of validation testing

Equipments:

name	Type and specification
Signal generator	SML02
Directional coupler	450MHz-3GHz
Amplifier	3W 502(10-2500MHz)
Deference dinale	IXD-190 antenna
Reference dipole	IXD-090 antenna

Results:

Frequency	Target value (1g)	Test value (1g)
800	10.8	10.91



4.2.6 SARA2 Interpolation and Extrapolation schemes

SARA2 software contains support for both 2D cubic B-spline interpolation as well as 3D cubic B-spline interpolation. In addition, for extrapolation purposes, a general n-th order polynomial fitting routine is implemented following a singular value decomposition algorithm. A 4th order polynomial fit is used by default for data extrapolation, but a linear-logarithmic fitting function can be selected as an option. The polynomial fitting procedures have been tested by comparing the fitting coefficients generated by the SARA2 procedures with those obtained using the polynomial fit functions of Microsoft Excel when applied to the same test input data.

4.2.7 Interpolation of 2D area scan

The 2D cubic B-spline interpolation is used after the initial area scan at fixed distance from the phantom shell wall. The initial scan data are collected with approx. 10mm spatial resolution and spline interpolation is used to find the location of the local maximum to within a 1mm resolution for positioning the subsequent 3D scanning.

4.2.8Extrapolation of 3D scan

For the 3D scan, data are collected on a spatially regular 3D grid having (by default) 6.4 mm steps in the lateral dimensions and 3.5 mm steps in the depth direction (away from the source). SARA2 enables full control over the selection of alternative step sizes in all directions.

The digitised shape of the head is available to the SARA2 software, which decides which points in the 3D array are sufficiently well within the shell wall to be 'visited' by the SAR probe. After the data collection, the data are extrapolated in the depth direction to assign values to points in the 3D array closer to the shell wall. A notional extrapolation value is also assigned to the first point outside the shell wall so that subsequent interpolation schemes will be applicable right up to the shell wall boundary.

4.2.9 Interpolation of 3D scan and volume averaging

The procedure used for defining the shape of the volumes used for SAR averaging in the SARA2 software follow the method of adapting the surface of the 'cube' to conform with the curved inner surface of the phantom. This is called, here, the conformal scheme.

For each row of data in the depth direction, the data are extrapolated and interpolated to less than 1mm spacing and average values are calculated from the phantom surface for the row of data over distances corresponding to the requisite depth for 10g and 1g cubes. This results in two 2D arrays of data, which are then cubic B-spline interpolated to sub mm lateral resolution. A search routine then moves an



averaging square around through the 2D array and records the maximum value of the corresponding 1g and 10g volume averages. For the definition of the surface in this procedure, the digitized position of the head shell surface is used for measurement in head-shaped phantoms. For measurements in rectangular, box phantoms, the distance between the phantom wall and the closest set of gridded data points is entered into the software. For measurements in box-shaped phantoms, this distance is under the control of the user. The effective distance must be greater than 2.5mm as this is the tip-sensor distance and to avoid interface proximity effects, it should be at least 5mm. A value of 6 or 8mm is recommended. This distance is called **dbe**.

For automated measurements inside the head, the distance cannot be less than 2.5mm, which is the radius of the probe tip and to avoid interface proximity effects, a minimum clearance distance of x mm is retained. The actual value of dbe will vary from point to point depending upon how the spatially regular 3D grid points fit within the shell. The greatest separation is when a grid point is just not visited due to the probe tip dimensions. In this case the distance could be as large as the step-size plus the minimum clearance distance (i.e with x=5 and a step size of 3.5, dbe will be between 3.5 and 8.5mm).

The default step size (dstep) used is 3.5mm, but this is under user-control. The compromise is with time of scan, so it is not practical to make it much smaller or scan times become long and power-drop influences become larger.

The robot positioning system specification for the repeatability of the positioning (dss) is +/- 0.04mm. The phantom shell is made by an industrial moulding process from the CAD files of the SAM shape, with both internal and external moulds. For the upright phantoms, the external shape is subsequently digitized on a Mitutoyo CMM machine (Euro an ultrasonic sensor indicate that the shell thickness (dph) away from the ear is 2.0 +/- 0.1mm. The ultrasonic measurements were calibrated using additional mechanical measurements on available cut surfaces of the phantom shells. See support document IXS-020x. For the upright phantom, the alignment is based upon registration of the rotation axis of the phantom on its 253mm diameter baseplate bearing and the position of the probe axis when commanded to go to the axial position. A laser alignment tool is provided (procedure detailed elsewhere). This enables the registration of the phantom tip (dmis) to be assured to within approx. 0.2mm. This alignment is done with reference to the actual probe tip after installation and probe alignment. The rotational positioning of the phantom is variable – offering advantages for special studies, but locating pins ensure accurate repositioning at the principal positions (LH and RH ears).



4.2.10 Probe anisotropy and boundary proximity influence correction software (Virtual Probe Miniaturization VPM software)

Indexsar Report IXS0223 provides a background to the factors affecting measurements at high frequencies when using SAR probes of size 8 – 5mm tip diameter. Although the Indexsar probes are at the smaller end of this range, SAR probes are not isotropic in 5GHz phantom field gradients and ad 1) At >5GHz, the SAR field decays to 1/e of its value within 3-4mm of the surface of a phantom with a source adjacent. So, measurements are significantly affected by small errors in the separation distances employed between the probe and the phantom surface. The distance between the probe tip and the plane of the sensors should be allowed for using the same value as th at declared in the probe calibration document. Distances between the probe tip and phantom surface should be measured accurately to 0.1mm. The best way to assure this is to use the robot to position the probe in light contact with the phantom wall and then to withdraw the probe by the selected amount under robot control.

2) The preferred test geometry at 5GHz is for testing at the bottom of an open phantom. If tests at the side of a phantom are performed, it will be necessary to apply VPM corrections as described below. In either case, careful monitoring of probe spacing from the phantom is required. Probe isotropy is improved for measuring fields polarized either normal to or parallel to the probe axis. If the source

3) The probe calibration factors including boundary correction terms should be carefully entered from the calibration document. The probe calibration factors require that the probe be oriented in a known rotational position. The red spot on the Indexsar probe should be aligned facing away from the robot arm.

polarization is known, this arrangement should be established, if possible.

- 4) The latest SARA2 software (VPM editions) contain support for correcting for probe anisotropy in strong field gradients and include a procedure for correcting for boundary proximity influences. As noted above, the probe has to be oriented in a given rotational position and some familiarity with the new measurement procedures is necessary. The calculations can be performed either with or without the extended correction schemes applied.
- 5) If boundary corrections are used, it may be preferable to go rather closer to the phantom surface than is usually recommended and to perform scans using small steps between the measurement planes so that good data on the SAR profiles are collected within the first 10mm of the phantom depth.



5 CHARACTERISTICS OF THE TEST

5.1 Applicable Limit Regulations

47CFR § 2.1093: Radiofrequency Radiation Exposure Evaluation: Portable Devices

FCC OET Bulletin 65(Edition 97-01), Supplement C(Edition 01-01): Evaluating Compliance with FCC Guidelines for Human Exposure to Radiofrequency Electromagnetic Fields

ANSI C95.1–1999: IEEE Standard for Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz to 300 GHz.

It specifies the maximum exposure limit of **1.6 W/kg** as averaged over any 1 gram of tissue for portable devices being used within 20 cm of the user in the uncontrolled environment.

5.2 Applicable Measurement Standards

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.

They specify the measurement method for demonstration of compliance with the SAR limits for such equipments.

6 LABORATORY ENVIRONMENT

Table: The Ambient Conditions during SAR Test

Temperature	Min. = 15 ° C, Max. = 30 ° C			
Relative humidity	Min. = 30%, Max. = 70%			
Ground system resistance	< 0.5			
Ambient noise is checked and found very low and in compliance with requirement of standards.				
Reflection of surrounding objects is minimized and in	compliance with requirement of standards.			



7 TEST RESULTS

7.1 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 49% ~59% and 21.1 °C ~21.8°C respectively. The SAM head phantom (SN 0380 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. 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: 21.1~21.8 ° C, humidity: 49~59%.					
1	Frequency	Permittivity	Conductivity (S/m)		
Target value	800 MHZ	41.5	0.97		
Validation value	800 MHZ	41.23	0.959		

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: 21.1~21.8 ° C, humidity: 49~59%.					
1	Frequency	Permittivity	Conductivity (S/m)		
Target value	800 MHz	55.0	1.05		
Validation value	800 MHz	55.21	1.047		
(Mar 1)					



7.2 Summary of Measurement Results (CDMA 800 MHz Band)

Table 3: SAR Values (CDMA 800 MHz Band), Measured against the head.

Temperature: 21.1~21.8 ° C, humidity: 49~59%			
Limit of SAR (W/kg)	1 g Average		
Limit of SAR (W/kg)	1	.6	
	Measurement Result		
Test Case	1 g Average	Power level	
	(W/kg)	(dBm)	
Left head, Touch cheek, Top frequency	1.394	21.80	
Left head, Touch cheek, Mid frequency	1.417	23.12	
Left head, Touch cheek, Bottom frequency	1.432	20.45	
Left head, Tilt 15 Degree, Top frequency	0.843	21.80	
Left head, Tilt 15 Degree, Mid frequency	0.787	23.12	
Left head, Tilt 15 Degree, Bottom frequency	1.045	20.45	
Right head, Touch cheek, Top frequency	1.072	21.80	
Right head, Touch cheek, Mid frequency	1.183	23.12	
Right head, Touch cheek, Bottom frequency	0.593	20.45	
Right head, Tilt 15 Degree, Top frequency	0.556	21.80	
Right head, Tilt 15 Degree, Mid frequency	0.767	23.12	
Right head, Tilt 15 Degree, Bottom frequency	0.364	20.45	

Table 4: SAR Values (CDMA 800 MHz Band), Measure d against the body

Temperature: 21.1~21.8 ° C, humidity: 49~59%			
Limit of SAD (M/kg)	1 g Average		
Limit of SAR (W/kg)	1.	.6	
	Measurement Result		
Test Case	1 g Average	Power level	
	(W/kg)	(dBm)	
Side, Top frequency	0.659	21.80	
Side, Mid frequency	0.916	23.12	
Side, Bottom frequency	0.850	20.45	

7.3 Conclusion

Localized Specific Absorption Rate (SAR) of this portable wireless device has been measured in all cases requested by the relevant standards cited in Clause 5.2 of this report. Maximum localized SAR is **below** exposure limits specified in the relevant standards cited in Clause 5.1 of this test report.



8 Measurement Uncertainty

No	Uncertainty Component	Туре	Uncertainty Value (%)	Probability Distribution	k	Ci	Standard Uncertainty (%) <i>ui</i> (%)	Degree of freedom Veff or Vi
	Measurement System	1			l			
1	- Probe Calibration	В	3.6	N	1	1	3.60	∞
2	- Axial isotropy	В	4.23	R	$\sqrt{3}$	$\sqrt{1-cp}$	0.00	∞
3	- Hemispherical Isotropy	В	10.7	R	$\sqrt{3}$	$\sqrt{\text{cp}}$	6.18	∞
4	- Boundary Effect	В	1.7	R	$\sqrt{3}$	1	0.98	∞
5	- Linearity	В	2.98	R	$\sqrt{3}$	1	1.69	∞
6	- System Detection Limits	В	0.00	R	$\sqrt{3}$	1	0.00	∞
7	- Readout Electronics	В	0.00	N	1	1	0.00	∞
8	- Response Time	В	0.00	R	$\sqrt{3}$	1	0.00	∞
9	- Integration Time	В	0.00	R	$\sqrt{3}$	1	0.00	∞
10	- RF Ambient Conditions	В	0.00	R	$\sqrt{3}$	1	0.00	∞
11	- Probe Position Mechanical tolerance	В	1.14	R	$\sqrt{3}$	1	0.33	∞
12	- Probe Position with respect to Phantom Shell	В	2.86	R	$\sqrt{3}$	1	0.83	∞
13	- Extrapolation, Interpolation and Integration Algorithms for Max. SAR evaluation	В	3.6	R	$\sqrt{3}$	1	2.08	∞
	Uncertainties of the DUT							
14	- Position of the DUT	А	0.00	N	1	1	0.00	0
15	- Holder of the DUT	А	0.00	N	1	1	0.00	0
16	- Output Power Variation – SAR drift measurement	В	5.0	R	$\sqrt{3}$	1	2.89	∞



No. SAR06--010

	Phantom and Tissue Parameters							
17	- Phantom Uncertainty(shape and thickness tolerances)	В	1.43	R	$\sqrt{3}$	1	0.83	8
18	- Liquid Conductivity Target – tolerance	В	5.0	R	$\sqrt{3}$	0.7	2.02	8
19	- Liquid Conductivity – measurement Uncertainty)	В	2.0	R	$\sqrt{3}$	0.7	0.81	8
20	- Liquid Permittivity Target tolerance	В	5.0	R	$\sqrt{3}$	0.6	1.73	8
21	- Liquid Permittivity – measurement uncertainty	В	1.0	R	$\sqrt{3}$	0.6	0.35	8
Combined Standard Uncertainty				RSS			±8.95%	
Expanded uncertainty (Confidence interval of 95 %)				K= 2.003935			±17.9%	

9 MAIN TEST INSTRUMENTS

No.	EQUIPMENT	TYPE	Due Date
1	E-Field SAR Probe	IXP-050 (SN 0177)	2006-03-23
2	Six-axis AC Servo industrial robot	RV-2A (SN AN406018)	2006-03-23
3	Mobile Phone Tester	4405 (SN 0811211)	2006-03-23
4	System Validation Dipole 800MHZ	IXD-090 (SN 0093)	2006-03-23
5	Probe Amplifier and PC Interface	IFA-010 (SN 0027)	2006-03-23
6	SAM Head Phantom	SN 0380 SH	2006-03-23
7	Box Phantom	IXB-070	2006-03-23



ANNEX A

of

ShenZhen Electronic Product Quality Testing Center

CONFORMANCE TEST REPORT FOR HUMAN EXPOSURE TO ELECTROMAGNETIC FIELDS

SAR06_010

Guangzhou Jineng Telecommunication Industrial Co.,Ltd
CDMA 1X mobile phone

Accreditation Certificate

This Annex consists of 2 pages
Date of Report: 2006-3-10











OF CHINA NATIONAL ACCREDITATION BOARD FOR LABORATORIES

(No.L1659)

This is to certify that

Shenzhen Electronic Product Quality Testing Center

Electronic Testing Building, Shahe Road, Xili, Nanshan District,

Shenzhen, Guangdong, China

has been assessed and proved to be in compliance with CNAL/AC01: 2003 Accreditation Criteria for Testing and Calibration Laboratories (identical to ISO/IEC17025: 1999 General Requirements for the Competence of Testing and Calibration Laboratories).

Accreditation scope of the laboratory is listed in the attachment.

Date of Issue: 2004.10.09

Date of Expiry: 2009.10.08

魏吴

Wei Hao

Secretary General of CNAL



ANNEX B

of

ShenZhen Electronic Product Quality Testing Center

CONFORMANCE TEST REPORT FOR HUMAN EXPOSURE TO ELECTROMAGNETIC FIELDS

SAR06_010

Guangzhou Jineng Telecommunication Industrial Co.,Ltd CDMA 1X mobile phone

Type Name: T100

Hardware Version: P2.3

Software Version: 2.0.31.53.1

TEST LAYOUT

This Annex consists of 5 pages
Date of Report: 2006-3-10











Fig.1 SARA2 System Test Layout

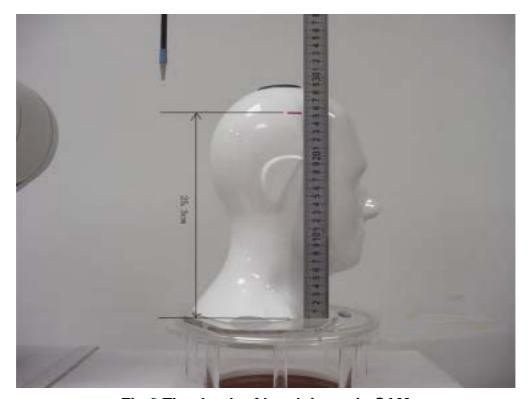


Fig.2 The depth of head tissue in SAM





Fig.3 EUT Left Head Touch Cheek Position



Fig.4 EUT Left Head Tilt15 Position





Fig.5 EUT Right Head Touch Cheek Position



Fig.6 EUT Right Head Tilt15 Position





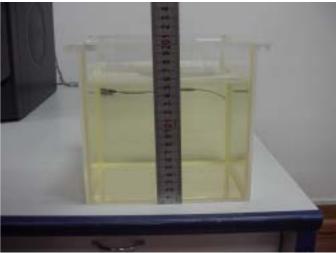


Fig.7 spacer 1.5cm

Fig.8 the depth of body tissue



Fig.9 Side Position



ANNEX C

of

ShenZhen Electronic Product Quality Testing Center

CONFORMANCE TEST REPORT FOR HUMAN EXPOSURE TO ELECTROMAGNETIC FIELDS

SAR06_010

Guangzhou Jineng Telecommunication Industrial Co.,Ltd CDMA 1X mobile phone

Type Name: T100

Hardware Version: P2.3

Software Version: 2.0.31.53.1

Sample Photographs

This Annex consists of 3 pages
Date of Report: 2006-3-10









1. Photograph of the Equipment under Test

1.1. Appearance







1.2 Inside









ANNEX D

of

ShenZhen Electronic Product Quality Testing Center

CONFORMANCE TEST REPORT FOR HUMAN EXPOSURE TO ELECTROMAGNETIC FIELDS

SAR06_010

Guangzhou Jineng Telecommunication Industrial Co.,Ltd CDMA 1X mobile phone

Type Name: T100

Hardware Version: P2.3

Software Version: 2.0.31.53.1

Graph Test Results

This Annex consists of 16 pages Date of Report: 2006-3-10



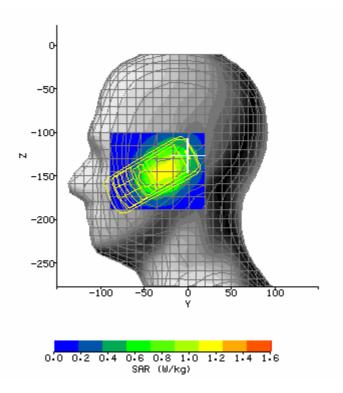






SAR Test CDMA 800 LH_TouchCheek (Bottom Channel)

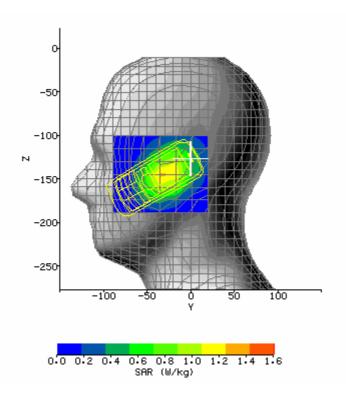
System / software:	SARA2 / 2.40 VPM	Input Power Drift:	-0.03dB
Date / Time:	2006-3-4 15:05:39	DUT Battery Model/No:	
Filename:	JinPeng-	Probe Serial Number:	0177
	T100_800LH_TouchCh		
	eek_B.txt		
Ambient Temperature:	21.6°C	Liquid Simulant:	Head tissue
Device Under Test:	JinPeng-T100	Relative Permittivity:	41.23
Relative Humidity:	58%	Conductivity:	.959
Phantom S/No:	Head_380SH.csv	Liquid Temperature:	21.0°C
Phantom Rotation:	0°	Max SAR Y-axis	-25.83 mm
		Location:	
DUT Position:	JinPeng-	Max SAR Z-axis	-145.00 mm
	800LH_TouchCheek_B	Location:	
Antenna	Build inside	Max E Field:	39.59 V/m
Configuration:			
Test Frequency:	800MHz	SAR 1g:	1.432 W/kg
Air Factors:	417.2 / 368.0 / 414.8	SAR 10g:	1.011 W/kg
Conversion Factors:	.286 / .286 / .286	SAR Start:	0.829 W/kg
Type of Modulation:	CDMA	SAR End:	0.821 W/kg
Modn. Duty Cycle:		SAR Drift during Scan:	-1.01 %
Diode Compression	20 / 20 / 20	Probe battery last	20/05/05
Factors (V*200):		changed:	
Input Power Level:	-21.35dBm	Extrapolation:	poly4





SAR Test CDMA 800 LH_TouchCheek (Middle Channel)

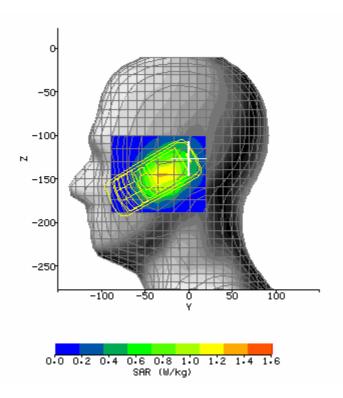
System / software:	SARA2 / 2.40 VPM	Input Power Drift:	-0.07dB
Date / Time:	2006-3-4 14:53:40	DUT Battery Model/No:	
Filename:	JinPeng-	Probe Serial Number:	0177
	T100_800LH_TouchCh		
	eek M.txt		
Ambient Temperature:	21.6°C	Liquid Simulant:	Head tissue
Device Under Test:	JinPeng-T100	Relative Permittivity:	41.23
Relative Humidity:	58%	Conductivity:	.959
Phantom S/No:	Head_380SH.csv	Liquid Temperature:	21.0°C
Phantom Rotation:	0°	Max SAR Y-axis	-27.67 mm
		Location:	
DUT Position:	JinPeng-	Max SAR Z-axis	-145.00 mm
	800LH_TouchCheek_M	Location:	
Antenna	Build inside	Max E Field:	39.64 V/m
Configuration:			
Test Frequency:	800MHz	SAR 1g:	1.417 W/kg
Air Factors:	417.2 / 368.0 / 414.8	SAR 10g:	1.029 W/kg
Conversion Factors:	.286 / .286 / .286	SAR Start:	0.851 W/kg
Type of Modulation:	CDMA	SAR End:	0.832 W/kg
Modn. Duty Cycle:		SAR Drift during Scan:	-2.20 %
Diode Compression	20 / 20 / 20	Probe battery last	20/05/05
Factors (V*200):		changed:	
Input Power Level:	-22.29dBm	Extrapolation:	poly4





SAR Test CDMA 800 LH_TouchCheek (Top Channel)

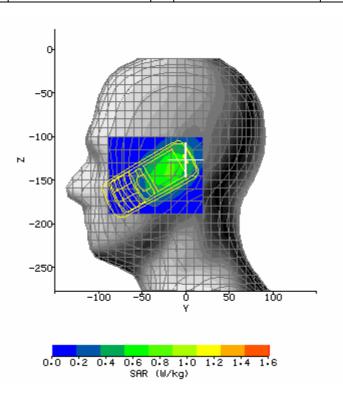
Custom I software	SARA2 / 2.40 VPM	Innut Davier Drift.	-0.03dB
System / software:	0	Input Power Drift:	-U.U3UB
Date / Time:	2006-3-4 14:40:47	DUT Battery Model/No:	
Filename:	JinPeng-	Probe Serial Number:	0177
	T100_800LH_TouchCh		
	eek_T.txt		
Ambient Temperature:	21.7°C	Liquid Simulant:	Head tissue
Device Under Test:	JinPeng-T100	Relative Permittivity:	41.23
Relative Humidity:	58%	Conductivity:	.959
Phantom S/No:	Head_380SH.csv	Liquid Temperature:	21.0°C
Phantom Rotation:	0°	Max SAR Y-axis	-25.83 mm
		Location:	
DUT Position:	JinPeng-	Max SAR Z-axis	-145.00 mm
	800LH_TouchCheek_T	Location:	
Antenna	Build inside	Max E Field:	39.58 V/m
Configuration:			
Test Frequency:	800MHz	SAR 1g:	1.394 W/kg
Air Factors:	417.2 / 368.0 / 414.8	SAR 10g:	1.033 W/kg
Conversion Factors:	.286 / .286 / .286	SAR Start:	0.844 W/kg
Type of Modulation:	CDMA	SAR End:	0.835 W/kg
Modn. Duty Cycle:		SAR Drift during Scan:	-1.05 %
Diode Compression	20 / 20 / 20	Probe battery last	20/05/05
Factors (V*200):		changed:	
Input Power Level:	-20.70dBm	Extrapolation:	poly4





SAR Test CDMA 800 LH_Tilt15 (Bottom Channel)

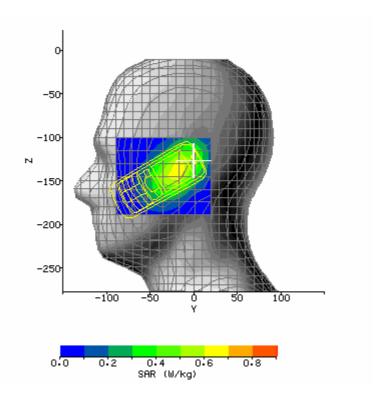
System / software:	SARA2 / 2.40 VPM	Input Power Drift:	0.03dB
Date / Time:	2006-3-4 15:18:26	DUT Battery Model/No:	
Filename:	JinPeng-	Probe Serial Number:	0177
i licitatile.	J	Frobe Serial Number.	0177
	T100_800LH_Tilt15_B.t		
	xt		
Ambient Temperature:	21.6°C	Liquid Simulant:	Head tissue
Device Under Test:	JinPeng-T100	Relative Permittivity:	41.23
Relative Humidity:	59%	Conductivity:	.959
Phantom S/No:	Head_380SH.csv	Liquid Temperature:	21.0°C
Phantom Rotation:	0°	Max SAR Y-axis	-18.50 mm
		Location:	
DUT Position:	JinPeng-	Max SAR Z-axis	-139.00 mm
	800LH_Tilt15_B	Location:	
Antenna	Build inside	Max E Field:	39.55 V/m
Configuration:			
Test Frequency:	800MHz	SAR 1g:	1.045 W/kg
Air Factors:	417.2 / 368.0 / 414.8	SAR 10g:	0.626 W/kg
Conversion Factors:	.286 / .286 / .286	SAR Start:	0.505 W/kg
Type of Modulation:	CDMA	SAR End:	0.510 W/kg
Modn. Duty Cycle:		SAR Drift during Scan:	0.95 %
Diode Compression	20 / 20 / 20	Probe battery last	20/05/05
Factors (V*200):		changed:	
Input Power Level:	-21.09dBm	Extrapolation:	poly4





SAR Test CDMA 800 LH_Tilt15 (Middle Channel)

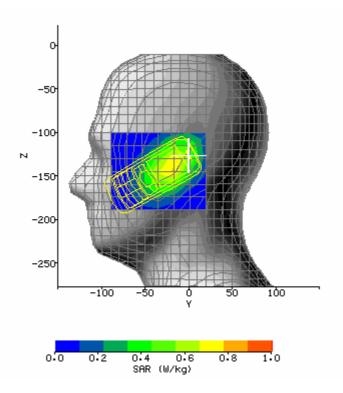
0	040404040404		0.07.10
System / software:	SARA2 / 2.40 VPM	Input Power Drift:	-0.07dB
Date / Time:	2006-3-4 15:32:03	DUT Battery Model/No:	
Filename:	JinPeng-	Probe Serial Number:	0177
	T100_800LH_Tilt15_M.		
	txt		
Ambient Temperature:	21.6°C	Liquid Simulant:	Head tissue
Device Under Test:	JinPeng-T100	Relative Permittivity:	41.23
Relative Humidity:	59%	Conductivity:	.959
Phantom S/No:	Head_380SH.csv	Liquid Temperature:	21.0°C
Phantom Rotation:	0°	Max SAR Y-axis	-18.50 mm
		Location:	
DUT Position:	JinPeng-	Max SAR Z-axis	-139.00 mm
	800LH_Tilt15_M	Location:	
Antenna	Build inside	Max E Field:	29.88 V/m
Configuration:			
Test Frequency:	800MHz	SAR 1g:	0.787 W/kg
Air Factors:	417.2 / 368.0 / 414.8	SAR 10g:	0.558 W/kg
Conversion Factors:	.286 / .286 / .286	SAR Start:	0.449 W/kg
Type of Modulation:	CDMA	SAR End:	0.438 W/kg
Modn. Duty Cycle:		SAR Drift during Scan:	-2.41 %
Diode Compression	20 / 20 / 20	Probe battery last	20/05/05
Factors (V*200):		changed:	
Input Power Level:	-22.79dBm	Extrapolation:	poly4





SAR Test CDMA 800 LH_Tilt15 (Top Channel)

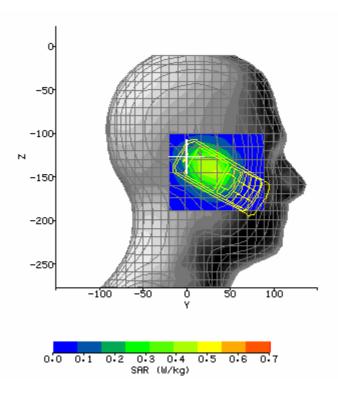
System / software:	SARA2 / 2.40 VPM	Input Power Drift:	-0.09dB
Date / Time:	2006-3-4 15:55:47	DUT Battery Model/No:	
Filename:	JinPeng-	Probe Serial Number:	0177
	T100_800LH_Tilt15_T.t		
	xt		
Ambient Temperature:	21.7°C	Liquid Simulant:	Head tissue
Device Under Test:	JinPeng-T100	Relative Permittivity:	41.23
Relative Humidity:	59%	Conductivity:	.959
Phantom S/No:	Head_380SH.csv	Liquid Temperature:	21.0°C
Phantom Rotation:	0°	Max SAR Y-axis	-20.33 mm
		Location:	
DUT Position:	JinPeng-	Max SAR Z-axis	-139.00 mm
	800LH_Tilt15_T	Location:	
Antenna	Build inside	Max E Field:	31.36 V/m
Configuration:			
Test Frequency:	800MHz	SAR 1g:	0.843 W/kg
Air Factors:	417.2 / 368.0 / 414.8	SAR 10g:	0.617 W/kg
Conversion Factors:	.286 / .286 / .286	SAR Start:	0.504 W/kg
Type of Modulation:	CDMA	SAR End:	0.489 W/kg
Modn. Duty Cycle:		SAR Drift during Scan:	-3.05 %
Diode Compression	20 / 20 / 20	Probe battery last	20/05/05
Factors (V*200):		changed:	
Input Power Level:	-19.44dBm	Extrapolation:	poly4





SAR Test CDMA 800 RH_TouchCheek (Bottom Channel)

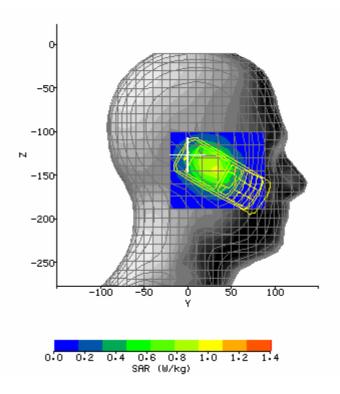
			1
System / software:	SARA2 / 2.40 VPM	Input Power Drift: -0.11dB	
Date / Time:	2006-3-4 11:53:39	DUT Battery Model/No:	
Filename:	JinPeng-	Probe Serial Number: 0177	
	T100_800RH_TouchCh		
	eek_B.txt		
Ambient Temperature:	21.8°C	Liquid Simulant: Head tissue	
Device Under Test:	JinPeng-T100	Relative Permittivity: 41.21	
Relative Humidity:	55%	Conductivity: .959	
Phantom S/No:	Head_380SH.csv	Liquid Temperature: 21.1°C	
Phantom Rotation:	180°	Max SAR Y-axis 27.67 mm	
		Location:	
DUT Position:	JinPeng-	Max SAR Z-axis -140.50 mm	
	T100_800RH_TouchCh	Location:	
	eek_B		
Antenna	Build inside	Max E Field: 25.31 V/m	
Configuration:			
Test Frequency:	800MHz	SAR 1g: 0.593 W/kg	
Air Factors:	417.2 / 368.0 / 414.8	SAR 10g: 0.409 W/kg	
Conversion Factors:	.286 / .286 / .286	SAR Start: 0.301 W/kg	
Type of Modulation:	CDMA	SAR End: 0.290 W/kg	
Modn. Duty Cycle:		SAR Drift during Scan: -3.47 %	
Diode Compression	20 / 20 / 20	Probe battery last 20/05/05	
Factors (V*200):		changed:	
Input Power Level:	-19.66dBm	Extrapolation: poly4	





SAR Test CDMA 800 RH_TouchCheek (Middle Channel)

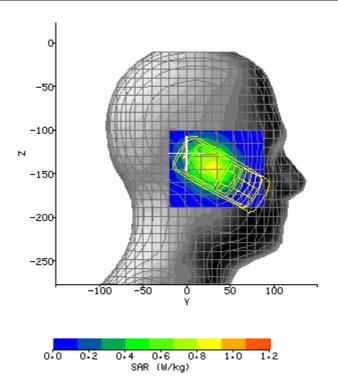
	OAK Test Oblina 600 Kin_TodeHolleck (Middle Ghaille)			
System / software:	SARA2 / 2.40 VPM	Input Power Drift: -0.03dB		
Date / Time:	2006-3-4 11:27:53	DUT Battery Model/No:		
Filename:	JinPeng-	Probe Serial Number: 0177		
	T100_800RH_TouchCh			
	eek_M.txt			
Ambient Temperature:	21.7°C	Liquid Simulant: Head tissue		
Device Under Test:	JinPeng-T100	Relative Permittivity: 41.21		
Relative Humidity:	54%	Conductivity: .959		
Phantom S/No:	Head_380SH.csv	Liquid Temperature: 21.1°C		
Phantom Rotation:	180°	Max SAR Y-axis 27.67 mm		
		Location:		
DUT Position:	JinPeng-	Max SAR Z-axis -140.50 mm		
	T100_800RH_TouchCh	Location:		
	eek_M			
Antenna	Build inside	Max E Field: 35.74 V/m		
Configuration:				
Test Frequency:	800MHz	SAR 1g: 1.183 W/kg		
Air Factors:	417.2 / 368.0 / 414.8	SAR 10g: 0.847 W/kg		
Conversion Factors:	.286 / .286 / .286	SAR Start: 0.632 W/kg		
Type of Modulation:	CDMA	SAR End: 0.627 W/kg		
Modn. Duty Cycle:		SAR Drift during Scan: -0.85 %		
Diode Compression	20 / 20 / 20	Probe battery last 20/05/05		
Factors (V*200):		changed:		
Input Power Level:	-19.09dBm	Extrapolation: poly4		





SAR Test CDMA 800 RH_TouchCheek (Top Channel)

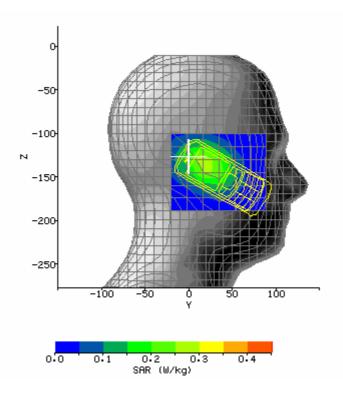
		Todollollock (Top Glidillol)
System / software:	SARA2 / 2.40 VPM	Input Power Drift: 0.01dB
Date / Time:	2006-3-4 11:40:14	DUT Battery Model/No:
Filename:	JinPeng-	Probe Serial Number: 0177
	T100_800RH_TouchCh	
	eek_T.txt	
Ambient Temperature:	21.7°C	Liquid Simulant: Head tissue
Device Under Test:	JinPeng-T100	Relative Permittivity: 41.21
Relative Humidity:	54%	Conductivity: .959
Phantom S/No:	Head_380SH.csv	Liquid Temperature: 21.1°C
Phantom Rotation:	180°	Max SAR Y-axis 27.67 mm
		Location:
DUT Position:	JinPeng-	Max SAR Z-axis -140.50 mm
	T100_800RH_TouchCh	Location:
	eek_T	
Antenna	Build inside	Max E Field: 34.03 V/m
Configuration:		
Test Frequency:	800MHz	SAR 1g: 1.072 W/kg
Air Factors:	417.2 / 368.0 / 414.8	SAR 10g: 0.760 W/kg
Conversion Factors:	.286 / .286 / .286	SAR Start: 0.568 W/kg
Type of Modulation:	CDMA	SAR End: 0.568 W/kg
Modn. Duty Cycle:		SAR Drift during Scan: 0.08 %
Diode Compression	20 / 20 / 20	Probe battery last 20/05/05
Factors (V*200):		changed:
Input Power Level:	-19.04dBm	Extrapolation: poly4





SAR Test CDMA 800 RH_Tilt15 (Bottom Channel)

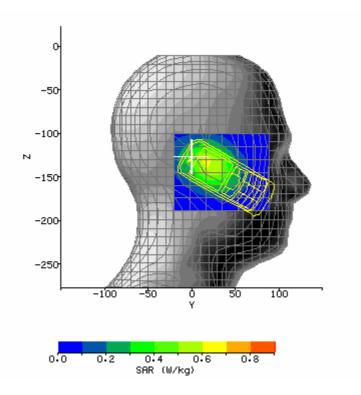
System / software:	SARA2 / 2.40 VPM	Input Power Drift:	-0.05dB
System / software:	0	-	-0.00db
Date / Time:	2006-3-4 13:55:15	DUT Battery Model/No:	
Filename:	JinPeng-	Probe Serial Number:	0177
	T100_800RH_Tilt15_B.		
	txt		
Ambient Temperature:	21.8°C	Liquid Simulant:	Head tissue
Device Under Test:	JinPeng-T100	Relative Permittivity:	41.21
Relative Humidity:	55%	Conductivity:	.959
Phantom S/No:	Head_380SH.csv	Liquid Temperature:	21.1°C
Phantom Rotation:	180°	Max SAR Y-axis	20.33 mm
		Location:	
DUT Position:	JinPeng-	Max SAR Z-axis	-134.50 mm
	T100_800RH_Tilt15_B	Location:	
Antenna	Build inside	Max E Field:	20.98 V/m
Configuration:			
Test Frequency:	800MHz	SAR 1g:	0.364 W/kg
Air Factors:	417.2 / 368.0 / 414.8	SAR 10g:	0.250 W/kg
Conversion Factors:	.286 / .286 / .286	SAR Start:	0.192 W/kg
Type of Modulation:	CDMA	SAR End:	0.189 W/kg
Modn. Duty Cycle:		SAR Drift during Scan:	-1.62 %
Diode Compression	20 / 20 / 20	Probe battery last	20/05/05
Factors (V*200):		changed:	
Input Power Level:	-19.43dBm	Extrapolation:	poly4





SAR Test CDMA 800 RH_Tilt15 (Middle Channel)

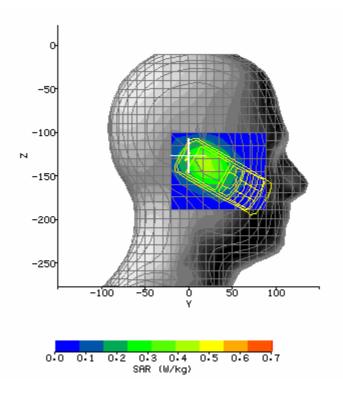
Custom I software	SARA2 / 2.40 VPM	Innut Dawer Drift.	-0.05dB
System / software:	o,	Input Power Drift:	-U.UOUB
Date / Time:	2006-3-4 14:09:52	DUT Battery Model/No:	
Filename:	JinPeng-	Probe Serial Number:	0177
	T100_800RH_Tilt15_M.		
	txt		
Ambient Temperature:	21.8°C	Liquid Simulant:	Head tissue
Device Under Test:	JinPeng-T100	Relative Permittivity:	41.21
Relative Humidity:	55%	Conductivity:	.959
Phantom S/No:	Head_380SH.csv	Liquid Temperature:	21.1°C
Phantom Rotation:	180°	Max SAR Y-axis	20.33 mm
		Location:	
DUT Position:	JinPeng-	Max SAR Z-axis	-136.00 mm
	T100_800RH_Tilt15_M	Location:	
Antenna	Build inside	Max E Field:	29.73 V/m
Configuration:			
Test Frequency:	800MHz	SAR 1g:	0.767 W/kg
Air Factors:	417.2 / 368.0 / 414.8	SAR 10g:	0.537 W/kg
Conversion Factors:	.286 / .286 / .286	SAR Start:	0.412 W/kg
Type of Modulation:	CDMA	SAR End:	0.406 W/kg
Modn. Duty Cycle:		SAR Drift during Scan:	-1.44 %
Diode Compression	20 / 20 / 20	Probe battery last	20/05/05
Factors (V*200):		changed:	
Input Power Level:	-18.36dBm	Extrapolation:	poly4





SAR Test CDMA 800 RH_Tilt15 (Top Channel)

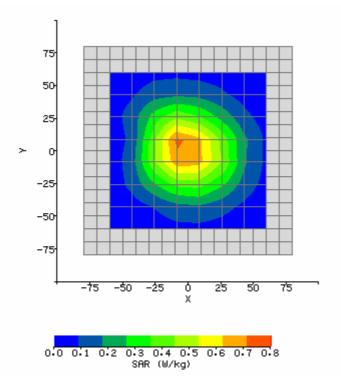
System / software:	SARA2 / 2.40 VPM	Input Power Drift:	-0.02dB
System / software:	0		-U.UZUD
Date / Time:	2006-3-4 14:22:14	DUT Battery Model/No:	
Filename:	JinPeng-	Probe Serial Number:	0177
	T100_800RH_Tilt15_T.t		
	xt		
Ambient Temperature:	21.8°C	Liquid Simulant:	Head tissue
Device Under Test:	JinPeng-T100	Relative Permittivity:	41.21
Relative Humidity:	54%	Conductivity:	.959
Phantom S/No:	Head_380SH.csv	Liquid Temperature:	21.1°C
Phantom Rotation:	180°	Max SAR Y-axis	22.17 mm
		Location:	
DUT Position:	JinPeng-	Max SAR Z-axis	-137.50 mm
	T100_800RH_Tilt15_T	Location:	
Antenna	Build inside	Max E Field:	25.14 V/m
Configuration:			
Test Frequency:	800MHz	SAR 1g:	0.556 W/kg
Air Factors:	417.2 / 368.0 / 414.8	SAR 10g:	0.384 W/kg
Conversion Factors:	.286 / .286 / .286	SAR Start:	0.287 W/kg
Type of Modulation:	CDMA	SAR End:	0.285 W/kg
Modn. Duty Cycle:		SAR Drift during Scan:	-0.75 %
Diode Compression	20 / 20 / 20	Probe battery last	20/05/05
Factors (V*200):		changed:	
Input Power Level:	-19.51dBm	Extrapolation:	poly4





SAR Test CDMA 800 Side (Bottom Channel)

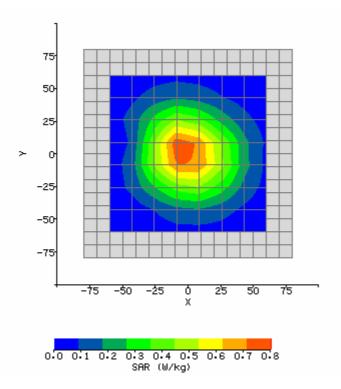
System / seftwere	SARA2 / 2.40 VPM	Innut Dower Drift	-0.10dB
System / software:		Input Power Drift:	-U.1UQB
Date / Time:	2006-3-1 14:07:59	DUT Battery Model/No:	
Filename:	JinPeng-	Probe Serial Number:	0177
	T100_800Body_Side_B		
	.txt		
Ambient Temperature:	21.7°C	Liquid Simulant:	Body tissue
Device Under Test:	JinPeng-T100	Relative Permittivity:	55.21
Relative Humidity:	54%	Conductivity:	1.047
Phantom S/No:	HeadBox75mm.csv	Liquid Temperature:	21.1°C
Phantom Rotation:	0°	Max SAR X-axis	-1.71 mm
		Location:	
DUT Position:	JinPeng-	Max SAR Y-axis	1.71 mm
	T100_800Body_Side_B	Location:	
Antenna	Build inside	Max E Field:	25.90 V/m
Configuration:			
Test Frequency:	800MHz	SAR 1g:	0.850 W/kg
Air Factors:	417 / 368 / 414	SAR 10g:	0.592 W/kg
Conversion Factors:	.271 / .271 / .271	SAR Start:	0.228 W/kg
Type of Modulation:	CDMA	SAR End:	0.220 W/kg
Modn. Duty Cycle:		SAR Drift during Scan:	-3.27 %
Diode Compression	20 / 20 / 20	Probe battery last	20/05/05
Factors (V*200):		changed:	
Input Power Level:	-22.20dBm	Extrapolation:	poly4





SAR Test CDMA 800 Side (Middle Channel)

Custom Lastinians	SARA2 / 2.40 VPM	Innut Bours Drift.	-0.03dB
System / software:		Input Power Drift:	-0.030B
Date / Time:	2006-3-1 14:24:32	DUT Battery Model/No:	
Filename:	JinPeng-	Probe Serial Number:	0177
	T100_800Body_Side_M.		
	txt		
Ambient Temperature:	21.6°C	Liquid Simulant:	Body tissue
Device Under Test:	JinPeng-T100	Relative Permittivity:	55.21
Relative Humidity:	54%	Conductivity:	1.047
Phantom S/No:	HeadBox75mm.csv	Liquid Temperature:	21.1°C
Phantom Rotation:	0°	Max SAR X-axis	-1.71 mm
		Location:	
DUT Position:	JinPeng-	Max SAR Y-axis	1.71 mm
	T100_800Body_Side_M	Location:	
Antenna	Build inside	Max E Field:	26.80 V/m
Configuration:			
Test Frequency:	800MHz	SAR 1g:	0.916 W/kg
Air Factors:	417 / 368 / 414	SAR 10g:	0.633 W/kg
Conversion Factors:	.271 / .271 / .271	SAR Start:	0.240 W/kg
Type of Modulation:	CDMA	SAR End:	0.238 W/kg
Modn. Duty Cycle:		SAR Drift during Scan:	-1.09 %
Diode Compression	20 / 20 / 20	Probe battery last	20/05/05
Factors (V*200):		changed:	
Input Power Level:	-21.85dBm	Extrapolation:	poly4





SAR Test CDMA 800 Side (Top Channel)

System / software:	SARA2 / 2.40 VPM	Input Power Drift:	-0.01dB
Date / Time:	2006-3-1 14:35:09	DUT Battery Model/No:	
Filename:	JinPeng-	Probe Serial Number:	0177
riiename.		Probe Serial Number.	0177
	T100_800Body_Side_T.		
	txt		
Ambient Temperature:	21.6°C	Liquid Simulant:	Body tissue
Device Under Test:	JinPeng-T100	Relative Permittivity:	55.21
Relative Humidity:	54%	Conductivity:	1.047
Phantom S/No:	HeadBox75mm.csv	Liquid Temperature:	21.1°C
Phantom Rotation:	0°	Max SAR X-axis	-3.43 mm
		Location:	
DUT Position:	JinPeng-	Max SAR Y-axis	0.00 mm
	T100_800Body_Side_T	Location:	
Antenna	Build inside	Max E Field:	23.27 V/m
Configuration:			
Test Frequency:	800MHz	SAR 1g:	0.659 W/kg
Air Factors:	417 / 368 / 414	SAR 10g:	0.453 W/kg
Conversion Factors:	.271 / .271 / .271	SAR Start:	0.177 W/kg
Type of Modulation:	CDMA	SAR End:	0.176 W/kg
Modn. Duty Cycle:		SAR Drift during Scan:	-0.24 %
Diode Compression	20 / 20 / 20	Probe battery last	20/05/05
Factors (V*200):		changed:	
Input Power Level:	-21.03dBm	Extrapolation:	poly4

