



APPENDIX II

PHOTOGRAPHS OF THE TEST SETUP

SPURIOUS EMISSION TEST



—END OF REPORT—





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**ETSI EN 301 511 V 9.0.2: 2003-03**

**TEST REPORT**

For:

**Fixed Wireless Phone (Fixed Wireless Payphone)**

**Model Name: HA6966TI(LCD)**

**Brand Name: --**

**Report No.: ZSAGC282080801E2**

**Date of Issue: Sep.10, 2008**

*Prepared For*

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## 1. TEST RESULT CERTIFICATION

Applicant Name:	Guangdong Telepower Communication Technology Co., Ltd.
	1st Floor, C Zone, Chuangyuezhongxin Building, Software & Science Park, Nanhai, Guangdong, China
Manufacturer Name:	Guangdong Telepower Communication Technology Co., Ltd.
	1st Floor, C Zone, Chuangyuezhongxin Building, Software & Science Park, Nanhai, Guangdong, China
Brand Name:	
Equipment Under Test:	Fixed Wireless Phone (Fixed Wireless Payphone)
Model Number:	HA8866TI(LCD)
Difference description:	—
Test Standard:	ETSI EN 301 511 V9.0.2 2003-03
File Number:	2SAGC282080801E2
Date of Test:	Aug.20 to Sep.10, 2008

We (AGC), Shenzhen Attestation of Global Compliance Science & Technology Co., Ltd. for compliance with the requirements set forth in the European Standard ETSI EN 301 511 V9.0.2. The results of testing in this report apply to the product/system which was tested only. Other similar equipment will not necessarily produce the same results due to production tolerance and measurement uncertainties.

Prepared By:

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Tony Tian Sep 10, 2008

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Randy Ho Sep 10, 2008

Authorized By:

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## 2. DETAILS OF TEST

### 2.1 IDENTIFICATION OF THE RESPONSIBLE TESTING LABORATORY

Company Name:	Shenzhen Attestation of Global Compliance Science & Technology Co., Ltd
Address:	2F, No.2 Building, ChaXi SanWei Industrial Zone, GuShu Community, XiXiang Street, Bao'an, Shenzhen, China

### 2.2 IDENTIFICATION OF THE RESPONSIBLE TESTING LOCATION

Test Site:	Site 1: Accurate Technology Co., Ltd. Site 2: Shenzhen Attestation of Global Compliance Science & Technology Co., Ltd
Address:	E F1, Bldg A, Changyuan New Material Port, Keyuan Rd., Science & Industry Park, Nanshan District, 518057, Shenzhen, P.R.China 2F, No.2 Building, ChaXi SanWei Industrial Zone, GuShu Community, XiXiang Street, Bao'an, Shenzhen, China

### 2.3 LIST OF TEST EQUIPMENTS

No	Type	Specification
1	Anechoic Chamber	Manufacturer: ETS
2	Vibration Table	Manufacturer: Shanghai Linpin
3	H & T Chamber	Manufacturer: ESPEC
4	CMU200	Manufacturer: R&S
5	E6615C	Manufacturer: Agilent
6	Power Splitter	Manufacturer: Agilent
7	Attenuator	Manufacturer: Agilent

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## 3 TECHNICAL INFORMATION

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

### 3.1 IDENTIFICATION OF APPLICANT

Company Name:	Guangdong Telepower Communication Technology Co., Ltd
Address:	1st Floor, C Zone, Chuangyazhongxin Building, Software & Science Park, Nantai, Guangdong, China

### 3.2 IDENTIFICATION OF MANUFACTURER

Company Name:	Guangdong Telepower Communication Technology Co., Ltd
Address:	1st Floor, C Zone, Chuangyazhongxin Building, Software & Science Park, Nantai, Guangdong, China

### 3.3 EQUIPMENT UNDER TEST (EUT)

#### 3.3.1 FINAL EQUIPMENT BUILD STATUS

Brand Name:	--
Model Name:	HA8968T(LCD)
Difference description:	--
Product Type:	GSM
Hardware Version:	V1.01_E200_Q508
Software Version:	TBW26V2.0
Frequency Bands:	GSM 900/1800
Modulation Mode:	GMSK
Power Class:	GSM900: 4, GSM1800: 1
GSM Release Version:	R97
Multislot Class:	--

#### 3.3.2 PHOTOGRAPHS OF THE EUT

Please see APPENDIX 1 for photographs of the EUT.

#### 3.3.3 IDENTIFICATION OF SAMPLES EUT

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 AGC, the next letter character indicates the test sample, and the following two numerical characters indicates the software version of the test sample.

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## 3.3.3.1 SAMPLE A01

Sample Reference Number	A01
Manufacturer Name	Guangdong Telepower Communication Technology Co., Ltd.
Type Name	HA8965T1(LCD)
Product Type	GSM
Hardware Version	V1.01_E200_0509
Software Version	TBW28V2.0
Frequency Bands	GSM 900/1800
IMEI In Test Sample	-
Date of Starting Test	Aug.20 to Sep.10, 2008

## 3.3.3.2 SAMPLE B01

Sample Reference Number	B01
Manufacturer Name	Guangdong Telepower Communication Technology Co., Ltd.
Type Name	HA8965T1(LCD)
Product Type	GSM
Hardware Version	V1.01_E200_0509
Software Version	TBW28V2.0
Frequency Bands	GSM 900/1800
IMEI In Test Sample	-
Date of Starting Test	Aug.20 to Sep.10, 2008

## 3.4 TYPE OF MOBILE STATION AND ADDITIONAL INFORMATION

Table A.2: Type of Mobile Station (Re. ETSI EN 301 511 Annex A)

Item	Type of Mobile Station	Support	Mnemonic
1	HSCSD Multislot MS	NO	Type_HSCSD_Multislot
2	R-GSM MS	NO	Type_R-GSM
3	Support of GPRS Multislot class on the uplink	NO	Type_GPRS_Multislot_uplink
4	EGPRS	NO	Type_EGPRS
5	EGPRS capable of BPSK in Uplink, of all Multislot classes	NO	Type_EGPRS_BPSK_uplink

Type A.3: Additional information (Re. ETSI EN 301 511 Annex A)

Item	Additional Information	Support	Mnemonic
1	Telephony	YES	TSPC_Selv_TS11
2	Permanent Antenna Connector	YES	TSPC_Adnl





## 4 TEST RESULTS

### 4.1 APPLIED REFERENCE DOCUMENTS

Leading reference documents for testing:

No.	Identity	Document Title
1	ETSI EN 301 511 V9.0.2 (2003-03)	Global System for Mobile communications (GSM); Harmonized EN for mobile stations in the GSM 900 and GSM 1800 bands covering essential requirements under article 3.2 of the R&TTE directive (1999/5/EC)

Specific reference documents for testing:

No.	Identity	Document Title
2	ETSI TS 151 010-1 V7.2.0 (2006-07)	Digital cellular telecommunications system (Phase 2+); Mobile Station (MS) conformance specification; Part 1: Conformance specification (3GPP TS 51.010-1 version 7.2.0 Release 7)

### 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) = -20°C High Temperature (HT) = 55°C
Extrema Voltage of the EUT	Normal Voltage (NV) = 3.70V Low Voltage (LV) = 3.50V High Voltage (HV) = 4.20V

### 4.3 ITEMS USED IN THE TEST RESULTS LIST

Terms in the column "Verdict" for the test results list of the section 0:

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
N/A	Test case not applicable for the EUT, see the column "Note" for detailed







## 4.4 TEST RESULTS LIST

Table A.1: The EN Requirements Table (EN-RT) (Ref. ETSI EN 301 511 Annex A)

Test Case (ETSI TS 151010-1)	Test Case (EN 301 511)	Parameter	GSM 900		GSM 1800		Note
			Sample	Result	Sample	Result	
12.1.1	4.2.12	Conducted spurious emissions - MS allocated a channel					
		NT / NV	A01	PASS	A01	PASS	
		NT / LV	A01	PASS	A01	PASS	
		NT / HV	A01	PASS	A01	PASS	
12.1.2	4.2.13	Conducted spurious emissions - MS in idle mode					
		NT / NV	A01	PASS	A01	PASS	
		NT / LV	A01	PASS	A01	PASS	
		NT / HV	A01	PASS	A01	PASS	
12.2.1	4.2.16	Radiated spurious emissions - MS allocated a channel					
		NT / NV		N/A		N/A	01
		NT / LV	A01	PASS	A01	PASS	
		NT / HV	A01	PASS	A01	PASS	
12.2.2	4.2.17	Radiated spurious emissions - MS in idle mode					
		NT / NV		N/A		N/A	01
		NT / LV	A01	PASS	A01	PASS	
		NT / HV	A01	PASS	A01	PASS	
13.1	4.2.1	Transmitter - Frequency error and phase error					
		NT / NV	B01	PASS	B01	PASS	
		LT / LV	B01	PASS	B01	PASS	
		LT / HV	B01	PASS	B01	PASS	
		HT / LV	B01	PASS	B01	PASS	
		HT / HV	B01	PASS	B01	PASS	
		Vibration X-axis	B01	PASS	B01	PASS	
		Vibration Y-axis	B01	PASS	B01	PASS	
		Vibration Z-axis	B01	PASS	B01	PASS	
13.2	4.2.2	Transmitter - Frequency error under multipath and interference conditions					
		NT / NV	B01	PASS			
		LT / LV	B01	PASS			

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		LT / HV	B01	PASS	B01	PASS	
		HT / LV	B01	PASS	B01	PASS	
		HT / HV	B01	PASS	B01	PASS	
13.3	4.2.5	Transmitter output power and burst timing					
		NT / NV	B01	PASS	B01	PASS	
		LT / LV	B01	PASS	B01	PASS	
		LT / HV	B01	PASS	B01	PASS	
		HT / LV	B01	PASS	B01	PASS	
		HT / HV	B01	PASS	B01	PASS	
13.4	4.2.6	Transmitter - Output RF spectrum					
		NT / NV	B01	PASS	B01	PASS	
		LT / LV	B01	PASS	B01	PASS	
		LT / HV	B01	PASS	B01	PASS	
		HT / LV	B01	PASS	B01	PASS	
		HT / HV	B01	PASS	B01	PASS	
13.16.1	4.2.4	Frequency error and phase error in GPRS multislotted configuration					
		NT / NV	—	—	—	—	
		LT / LV	—	—	—	—	
		LT / HV	—	—	—	—	
		HT / LV	—	—	—	—	
		HT / HV	—	—	—	—	
		Vibration X-axis	—	—	—	—	
		Vibration Y-axis	—	—	—	—	
		Vibration Z-axis	—	—	—	—	
13.16.2	4.2.10	Transmitter output power in GPRS multislotted configuration					
		NT / NV	—	—	—	—	
		LT / LV	—	—	—	—	
		LT / HV	—	—	—	—	
		HT / LV	—	—	—	—	
13.16.3	4.2.11	Output RF spectrum in GPRS multislotted configuration					
		NT / NV	—	—	—	—	
		LT / LV	—	—	—	—	
		LT / HV	—	—	—	—	
		HT / LV	—	—	—	—	
14.7.1	4.2.20	Blocking and spurious response – speech channels	B01	PASS			

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Note 01	The test case is not performed under normal voltage (NV) conditions, because high voltage (HV) and low voltage (LV) conditions are the WORST phases for this test case.
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## APPENDIX I

### PHOTOGRAPHS OF THE EUT

#### TOP VIEW OF SAMPLE



#### BOTTOM VIEW OF SAMPLE



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LEFT VIEW OF SAMPLE



RIGHT VIEW OF SAMPLE



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FRONT VIEW OF SAMPLE



BACK VIEW OF SAMPLE



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INTERNAL PHOTO OF SAMPLE - 1



INTERNAL PHOTO OF SAMPLE - 2



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INTERNAL PHOTO OF SAMPLE - 3



INTERNAL PHOTO OF SAMPLE - 4



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INTERNAL PHOTO OF SAMPLE -- 6



INTERNAL PHOTO OF SAMPLE -- 6



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Fig.



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