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EMC TEST REPORT

Application No.: SHEMO10030022501

Applicant: Shanghai Longcheer3g Technology Co.,Ltd

FCC ID: WLPW660 **Equipment Under Test (EUT):**

NOTE: The following sample(s) submitted was/were identified on behalf of the client as

Product Name: GSM/GPRS/EDGE/WCDMA/HSDPA Handhold Phone

Model Name: W660

Standards: FCC PART 15:2008 Section B

Date of Receipt: Mar 09, 2010

Date of Test: Mar 12, 2010

Date of Issue: Mar 23, 2010

Test Result : PASS*

Tino Pan

E&E Section Manager

SGS-CSTC(Shanghai) Co., Ltd.

Jack Wu E&E Project Engineer SGS-CSTC(Shanghai)Co.,Ltd

Jack Wu

^{*} In the configuration tested, the EUT complied with the standards specified above.

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2 Test Summary

Test	Test Requirement	Test Method	Class / Severity	Result
Radiated Emission	CFR 47 Part 15.109	ANSI C63.4: 2003	Class B	PASS
30MHz-1000MHz	CFK 47 Fait 13.109	ANSI C03.4: 2003	Class B	PASS
Conducted Emission	CED 47 Days 15 107	ANSI C63.4: 2003	Class D	DACC
150KHz-30MHz	CFR 47 Part 15.107	ANSI C03.4: 2003	Class B	PASS

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4 General Information

4.1 Client Information

Applicant: Shanghai Longcheer3g Technology Co.,Ltd

Address of Applicant: No.1, Building 5, 299 Bisheng Rd, Zhangjiang Hi-Tech Park,

Pudong, Shanghai, P.R. China

Manufacturer: Shanghai Longcheer3g Technology Co.,Ltd

Address of No.1, Building 5, 299 Bisheng Rd, Zhangjiang Hi-Tech Park,

Manufacturer: Pudong, Shanghai, P.R. China

4.2 General Description of E.U.T.

Product Name: GSM/GPRS/EDGE/WCDMA/HSDPA Handhold Phone

Model Name: W660

FCC ID: WLPW660

Battery Information: Model:BL-75

3.7V/1000mAh (3.7Wh)

S/N:BAK0809111200554

Adapter information: Model: ASUC1-050050

Input: AC 100-240VAC, 50/60Hz, 0.3A

Output:5.0VDC, 500mA

S/N:0904003375

Hardware Version: W660 344

Software Version: LQARZ01_240005_0.0.4

IMEI: 352129049999833

4.3 Details of support units

Name / Function Model No. Remark
N/A N/A N/A N/A

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4.4 Standards Applicable for Testing

The standards used were CFR 47 Part 15B:

Table 1: Tests Carried Out Under CFR 47 Part 15B:

	Standard	Status
FCC Part 15 Subpart B	Radiated Emission	$\sqrt{}$
FCC Part 15 Subpart B	Conducted Emission	V

✓ Indicates that the test is not applicable
 ✓ Indicates that the test is applicable

4.5 Test Location

Tests were performed at SGS E&E EMC lab

SGS-CSTC EMC Laboratory, No.588 West Jindu Road, Songjiang District, Shanghai, China

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4.6 **Test Facility**

The test facility is recognized, certified, or accredited by the following organizations:

• CNAS (No. CNAS L0599)

CNAS has accredited SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd. to ISO/IEC 17025:2005 General Requirements for the Competence of Testing and Calibration Laboratories (CNAS-CL01 Accreditation Criteria for the Competence of Testing and Calibration Laboratories) for the competence in the field of testing. Date of expiry: 2011-07-29

• FCC – Registration No.: 402683

SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd. has been registered and fully described in a report filed with the Federal Communications Commission (FCC). The acceptance letter from the FCC is maintained in our files. Registration No.: 402683, Expiry Date: 2012-03-17.

• Industry Canada (IC) - IC Assigned Code: 8617A

The 3m Semi-anechoic chamber of SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd. has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 8617A. Expiry Date: 2011-09-29.

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5 Equipment Used during Test

Radiated Emission

	Tadiated Ellission	1	I .	1	ı	1
Item	Test Equipment	Manufacturer	Model No.	Serial No.	Cal. Date	Cal.Due date
1	EMI test receiver	Rohde & Schwarz	ESU40	100109	2009-6-4	2010-6-3
2	ANTENNA	SCHWARZBECK	VULB9168	9168-313	2009-6-4	2010-6-3
3	ANTENNA	SCHWARZBECK	BBHA9120D	9120D-679	2009-6-4	2010-6-3
4	ANTENNA	SCHWARZBECK	BBHA9170	9170-373	2009-6-4	2010-6-3
5	TURNTABLE	INNCO	DS 2000S-1T	/	/	/
6	UNIVERSAL RADIO COMMUNICATION TESTER	Rohde & Schwarz	CMU 200	112012	2009-08-25	2010-08-24

Conducted Emission

Item	Test Equipment	Manufacturer	Model No.	Serial No.	Cal. Date	Cal. Due date
1	EMI test receiver	Rohde & Schwarz	ESCS30	100086	2009-06-26	2010-06-25
2	Line impedance stabilization network	SCHWARZBECK	NSLK8127	8127-490	2009-07-30	2010-07-29
3	UNIVERSAL RADIO COMMUNICATION TESTER	Rohde & Schwarz	CMU 200	112012	2009-08-25	2010-08-24

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General Equipment

Ite m	Test Equipment	Manufacturer	Model No.	Serial No.	Cal. Date	Cal.Due
1	Atmosphere pressure meter	Shanghai ZhongXuan Electronic Co;Ltd	BY-2003P	1	2009-10-15	2010-10-14
2	CLAMP METER	FLUKE	316	86080010	2009-04-21	2010-04-20
3	Thermo-Hygrometer	ZHICHEN	ZC1-2	01050033	2009-10-21	2010-10-20
4	Digital illuminance meter	TES electrical electronic Corp.	TES-1330A	050602219	2009-10-16	2010-10-15
5	AM/FM signal generator	AEROFLEX	2023A	202306/528	2009-04-21	2010-04-20

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6 Emission Test Results

6.1 Radiated Emissions

Test Requirement: CFR 47 Part 15.109
Test Method: ANSI C63.4:2003
Test Date: Mar 12, 2010
Frequency Range: 30MHz to 1GHz

Measurement Distance: 3m

Detector: Peak for pre-scan (120kHz resolution bandwidth)

Result: PASS

6.1.1 E.U.T. Operation

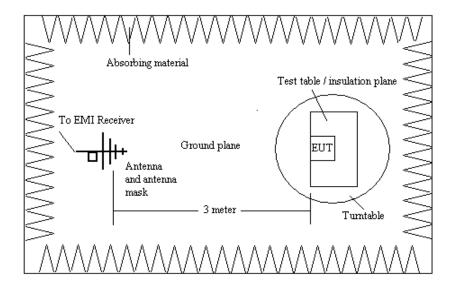
Operating Environment:

Temperature: 24.0 °C Humidity: 45 % RH Atmospheric Pressure: 1012 mbar

EUT Operation: Test in charge mode connected with adapter;

Test in FM mode connected with earphone

6.1.2 Test setup:



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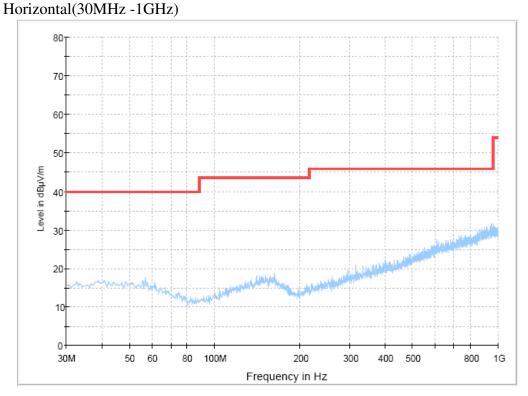
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6.1.3 Measurement Data:

Test in charge mode connected with adapter:



Frequency	Actual Lecel QP	Limit	Margin
(MHz)	(dBuV/m)	(dBuV/m)	(dB)
30.00	*	40.0	*
100.00	*	43.5	*
160.00	*	43.5	*
200.00	*	43.5	*
800.00	*	46.0	*
1000.00	*	54.0	*

[&]quot;" means the emission level is 6dB lower than the relevant limit.

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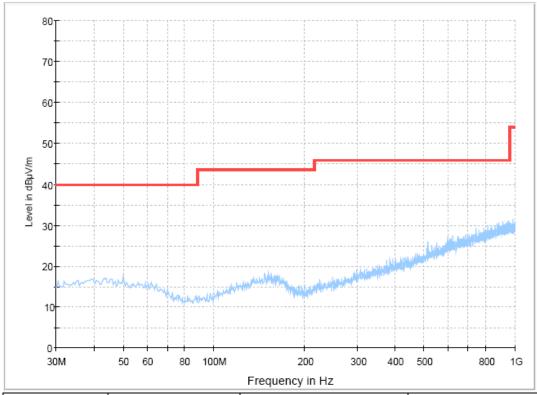
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Vertical (30MHz -1GHz):



Frequency	Actual Lecel QP	Limit	Margin
(MHz)	(dBuV/m)	(dBuV/m)	(dB)
30.00	*	40.0	*
100.00	*	43.5	*
160.00	*	43.5	*
200.00	*	43.5	*
800.00	*	46.0	*
1000.00	*	54.0	*

[&]quot;*" means the emission level is 6dB lower than the relevant limit.

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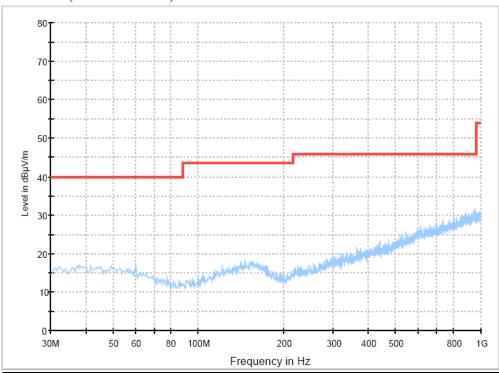
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Test in FM mode connected with earphone Horizontal(30MHz -1GHz)



Frequency	Actual Lecel QP	Limit	Margin
(MHz)	(dBuV/m)	(dBuV/m)	(dB)
30.00	*	40.0	*
100.00	*	43.5	*
160.00	*	43.5	*
200.00	*	43.5	*
800.00	*	46.0	*
1000.00	*	54.0	*

[&]quot;*" means the emission level is 6dB lower than the relevant limit.

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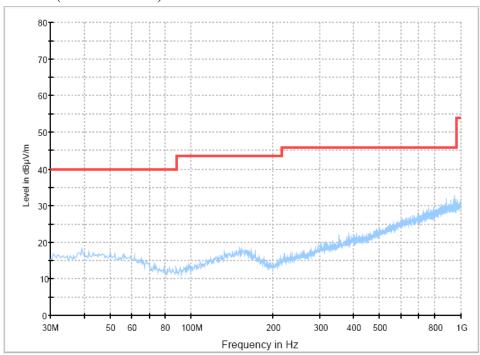
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Vertical (30MHz -1GHz):



Frequency	Actual Lecel QP	Limit	Margin
(MHz)	(dBuV/m)	(dBuV/m)	(dB)
30.00	*	40.0	*
100.00	*	43.5	*
160.00	*	43.5	*
200.00	*	43.5	*
800.00	*	46.0	*
1000.00	*	54.0	*

[&]quot;" means the emission level is 6dB lower than the relevant limit.

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6.2 **Conducted Emissions**

Test Requirement: CFR 47 part 15.107 Test Method: ANSI C63.4:2003

Test Date: Mar 12,2010

Frequency Range: 150kHz to 30MHz

Limit:

Frequency of Emission (MHz)	Conducted Limit (dBµV)		
	Quasi-peak	Average	
0.15-0.5	66 to 56 *	56 to 46 *	
0.5-5	56	46	
5-30	60	50	

Decreases with the logarithm of the frequency.

Result: PASS

E.U.T. Operation

Operating Environment:

Temperature: 23.0°C Humidity: 45% RH Atmospheric Pressure: 1012 mbar

EUT Operation: Test in charge mode connected with adapter

6.2.2 Test Result and Measurement Data

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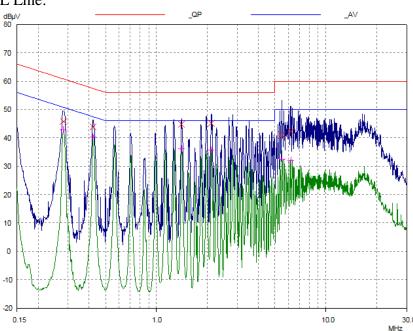
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Test in charge mode connected with adapter

L Line:



Final Measurement Results

Frequency	QP Level	QP Limit	QP Delta
MHz	dΒμV	dΒμV	dB
0.28184	45.77	60.76	14.99
0.42181	43.87	57.41	13.54
1.40271	44.72	56.00	11.28
2.1077	45.14	56.00	10.86
5.49414	41.07	60.00	18.93
6.19314	42.21	60.00	17.79
Frequency	AV Level	AV Limit	AV Delta
MHz	dΒμV	dΒμV	dB
0.28184	42.86	50.76	7.90
0.42181	40.32	47.41	7.09
1.40271	36.19	46.00	9.81
2.1077	35.70	46.00	10.30
5.49414	32.40	50.00	17.60
6.19314	32.01	50.00	17.99

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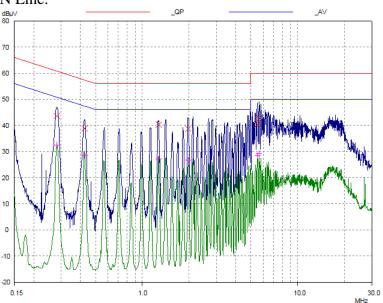
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N Line:



Final Measurement Results

Frequency	QP Level	QP Limit	QP Delta
MHz	dΒμV	dΒμV	dB
0.28072	43.64	60.79	17.15
0.42519	38.83	57.35	18.52
1.27456	40.20	56.00	15.80
1.9694	38.68	56.00	17.32
5.49414	40.31	60.00	19.69
5.64984	42.57	60.00	17.43
Frequency	AV Level	AV Limit	AV Delta
MHz	dΒμV	dΒμV	dB
0.28072	32.53	50.79	18.26
0.42519	28.45	47.35	18.90
1.27456	27.03	46.00	18.97
1.9694	26.80	46.00	19.20
5.49414	28.44	50.00	21.56
5.64984	29.27	50.00	20.73

End of Report~