FCC REPORT

Applicant:	GNJ Manufacturing Inc.

Address of Applicant: 205 Ansin Blvd Hallandale Beach, FL 33009,USA

Equipment Under Test (EUT)

Product Name:	Mobile Phone-Amazing Series
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Model No.: CAPHG10-01

FCC ID: 2AAE9CAPHG10-01

Applicable standards: FCC CFR Title 47 Part 15 Subpart B

Date of sample receipt: 28 May., 2013

Date of Test: 29 May to 08 Jun., 2013

Date of report issued: 09 Jun., 2013

Test Result : Pass *

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

Authorized Signature:



Bruce Zhang Laboratory Manager

This report details the results of the testing carried out on one sample. The results contained in this test report do not relate to other samples of the same product and does not permit the use of the CCIS product certification mark. The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in this report.

This report may only be reproduced and distributed in full. If the product in this report is used in any configuration other than that detailed in the report, the manufacturer must ensure the new system complies with all relevant standards.

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2 Version

Version No.	Date	Description
00	09 Jun.,2013	Original

Mila Prepared by: 09 Jun.,2013 Date: Report Clerk Sauley Li Reviewed by: Date: 09 Jun.,2013 Project Engineer

Shenzhen Zhongjian Nanfang Testing Co., Ltd. 1st Floor, Block No.2, Laodong Industrial Zone, Xixiang Road Baoan District, Shenzhen, China 518102



Dago

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4 Test Summary

Test Item	Section in CFR 47	Result	
Conducted Emission	Part15.107	Pass	
Radiated Emission	Part15.109	Pass	

Pass: The EUT complies with the essential requirements in the standard.



5 General Information

5.1 Client Information

Applicant:	GNJ Manufacturing Inc.
Address of Applicant:	205 Ansin Blvd Hallandale Beach, FL 33009,USA
Manufacturer:	GNJ Manufacturing Inc.
Address of Manufacturer:	205 Ansin Blvd Hallandale Beach, FL 33009,USA

5.2 General Description of E.U.T.

Product Name:	Mobile Phone-Amazing Series
Model No.:	CAPHG10-01
AC adapter:	Input:100-240V AC,50/60Hz 0.15A
	Output:5.0V DC MAX400mA
Power supply:	Rechargeable Li-ion Battery DC3.7V

5.3 Operating Modes

Operating mode	Detail description
Downloading mode Keep the EUT in EUT transfer data with pc mode(Worst case)	
Playing mode	Keep the EUT in Playing mode
Recording mode	Keep the EUT in Recording mode
FM mode	Keep the EUT in FM receiever mode
GPS mode	Keep the EUT in GPS receiever mode

The sample was placed 0.8m above the ground plane of 3m chamber. Measurements in both horizontal and vertical polarities were performed. During the test, each emission was maximized by: having the EUT continuously working, investigated all operating modes, rotated about all 3 axis (X, Y & Z) and considered typical configuration to obtain worst position, manipulating interconnecting cables, rotating the turntable, varying antenna height from 1m to 4m in both horizontal and vertical polarizations. The emissions worst-case are shown in Test Results of the following pages.



FCC ID/DoC Serial Number Manufacturer Description Model DELL PC **OPTIPLEX745** N/A DoC DELL MONITOR E178FPC N/A DoC DELL **KEYBOARD** SK-8115 N/A DoC DELL MOUSE MOC5UO N/A DoC ΗP Printer CB495A 05257893 DoC

5.4 Description of Support Units

5.5 Laboratory Facility

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

• FCC - Registration No.: 817957

Shenzhen Zhongjian Nanfang Testing Co., Ltd. EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in out files. Registration 817957, February 27, 2012.

• IC - Registration No.: 10106A-1

The 3m Semi-anechoic chamber of Shenzhen Zhongjian Nanfang Testing Co., Ltd. has been Registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 10106A-1.

• CNAS - Registration No.: CNAS L6048

Shenzhen Zhongjian Nanfang Testing Co., Ltd. is accredited to ISO/IEC 17025:2005 General Requirements for the Competence of Testing and Calibration laboratories for the competence of testing. The Registration No. is CNAS L6048.

5.6 Laboratory Location

Shenzhen Zhongjian Nanfang Testing Co., Ltd. Address: No.B-C, 1/F., Building 2, Laodong No.2 Industrial Park, Xixiang Road, Bao'an District,Shenzhen, Guangdong,China Tel: 0755-23118282 Fax: 0755-23116366



5.7 Test Instruments list

Radiated Emission:						
Item	Test Equipment	Manufacturer	Model No.	Inventory No.	Cal. Date (mm-dd-yy)	Cal. Due date (mm-dd-yy)
1	3m Semi- Anechoic Chamber	SAEMC	9(L)*6(W)* 6(H)	CCIS0001	June 09 2012	June 08 2013
2	BiConiLog Antenna	SCHWARZBECK MESS-ELEKTRONIK	VULB9163	CCIS0005	May 25 2013	May 24 2014
3	Double -ridged waveguide horn	SCHWARZBECK MESS-ELEKTRONIK	BBHA9120D	CCIS0006	May 25 2013	May 24 2014
4	EMI Test Software	AUDIX	E3	N/A	N/A	N/A
5	Coaxial Cable	CCIS	N/A	CCIS0016	Apr. 01 2013	Mar. 31 2014
6	Coaxial Cable	CCIS	N/A	CCIS0017	Apr. 01 2013	Mar. 31 2014
7	Coaxial cable	CCIS	N/A	CCIS0018	Apr. 01 2013	Mar. 31 2014
8	Coaxial Cable	CCIS	N/A	CCIS0019	Apr. 01 2013	Mar. 31 2014
9	Coaxial Cable	CCIS	N/A	CCIS0087	Apr. 01 2013	Mar. 31 2014
10	Amplifier(10kHz- 1.3GHz)	HP	8447D	CCIS0003	Apr. 01 2013	Mar. 31 2014
11	Amplifier(1GHz- 18GHz)	Compliance Direction Systems Inc.	PAP-1G18	CCIS0011	June 09 2012	June 08 2013
12	Pre-amplifier (18-26GHz)	Rohde & Schwarz	AFS33-18002 650-30-8P-44	GTS218	Apr. 01 2013	Mar. 31 2014
13	Horn Antenna	ETS-LINDGREN	3160	GTS217	Mar. 30 2013	Mar. 29 2014
14	Printer	HP	HP LaserJet P1007	N/A	N/A	N/A
15	Positioning Controller	UC	UC3000	CCIS0015	N/A	N/A
16	Spectrum analyzer 9k-30GHz	Rohde & Schwarz	FSP	CCIS0023	May. 25 2013	May. 24 2014
17	EMI Test Receiver	Rohde & Schwarz	ESPI	CCIS0022	Apr 01 2013	Mar. 31 2014
18	Loop antenna	Laplace instrument	RF300	EMC0701	Aug. 12 2012	Aug. 11 2013
19	Universal radio communication tester	Rhode & Schwarz	CMU200	CCIS0069	May. 25 2013	May. 24 2014
20	Signal Analyzer	Rohde & Schwarz	FSIQ3	CCIS0088	May. 25 2013	May. 24 2014
21	Spectrum analyzer	Agilent	E4440A	US43362176	Jan.11 2013	Jan.10 2014



Cond	Conducted Emission:						
Item	Test Equipment	Manufacturer	Model No.	Inventory No.	Cal. Date (mm-dd-yy)	Cal. Due date (mm-dd-yy)	
1	Shielding Room	ZhongShuo Electron	11.0(L)x4.0(W)x3.0(H)	CCIS0061	June 09 2012	June 08 2013	
2	EMI Test Receiver	Rohde & Schwarz	ESCI	CCIS0002	May 25 2013	May 24 2014	
3	LISN	CHASE	MN2050D	CCIS0074	Apr 01 2013	Mar. 31 2014	
4	Coaxial Cable	CCIS	N/A	CCIS0086	Apr. 01 2013	Mar. 31 2014	
5	EMI Test Software	AUDIX	E3	N/A	N/A	N/A	



6 Test results and Measurement Data

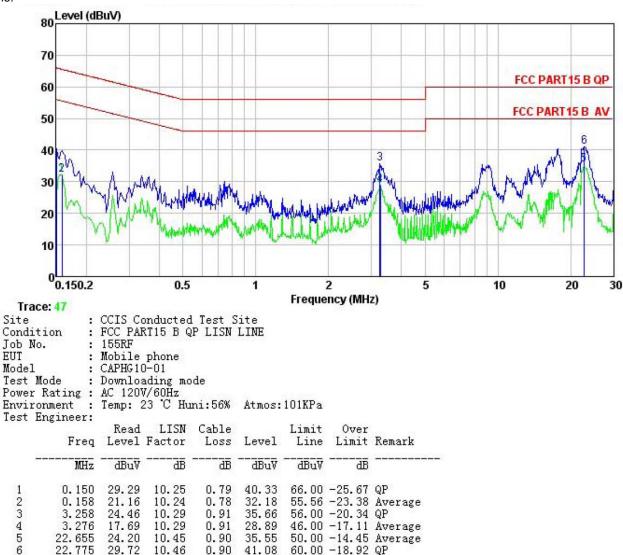
6.1 Conducted Emission

••••					
	Test Requirement:	FCC Part15 B Section 15.107			
	Test Method:	ANSI C63.4:2003 150kHz to 30MHz			
	Test Frequency Range:				
	Class / Severity:	Class B			
	Receiver setup:	RBW=9 kHz, VBW=30 kHz			
	Limit:				
		Frequency range (MHz) Limit (d Quasi-peak		Average	
		0.15-0.5	66 to 56*	56 to 46*	
		0.5-5	56	46	
		0.5-30	60	50	
	Test setup:	Reference Plane		·	
	Test procedure		(L.I.S.N.). Which provid asuring equipment. connected to the main upling impedance with 5	ower through a line de a 50ohm/50uH power through a LISN 50ohm termination.	
		 Both sides of A.C. line are chec order to find the maximum emis of the interface cables must be conducted measurement. 	sion, the relative position	ons of equipment and all	
	Test environment:	Temp.: 23 °C Humid.	: 56% Pres	ss.: 1 01kPa	
	Measurement Record:			Uncertainty: 3.28dB	
	Test Instruments:	Refer to section 5.7 for details			
	Test mode:	Refer to section 5.3 for details			
	Test results:	Pass			



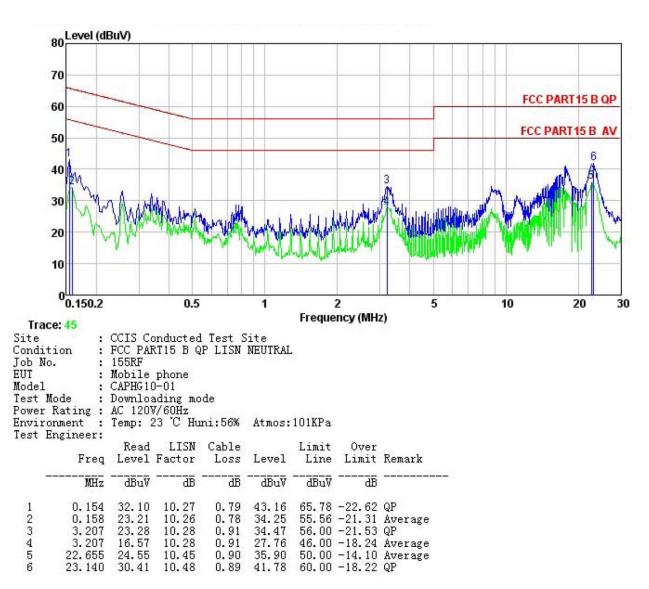
Measurement data:

Line:





Neutral:



Notes:

1. The following Quasi-Peak and Average measurements were performed on the EUT

2. Final Test Level =Receiver Reading + LISN Factor + Cable Loss.

3. The value of Average is too low, so not show in test data.



0.2						
	Test Requirement:	FCC Part15 B Section 15.109				
	Test Method:	ANSI C63.4:2003				
	Test Frequency Range:	30MHz to 6000MHz				
	Test site:	Measurement Distance: 3m (Semi-Anechoic Chamber)				
	Receiver setup:	Frequency	Detector	RBW	VBW	Remark
		30MHz-1GHz	Quasi-peak	100KHz	300KHz	Quasi-peak Value
		Above 1GHz	Peak	1MHz	3MHz	Peak Value
			Peak	1MHz	10Hz	Average Value
	Limit:	Freque		Limit (dBuV/		Remark
		30MHz-8		40.0		Quasi-peak Value
		88MHz-21		43.5		Quasi-peak Value
		216MHz-9		46.0		Quasi-peak Value
		960MHz-	1GHz	54.0		Quasi-peak Value
		Above 1	GHz			Average Value
	Test setup:			/4.()	Peak Value
		EUT Turn Ground Plane Above 1GHz Antenna An		nalyzer	_	

6.2 Radiated Emission



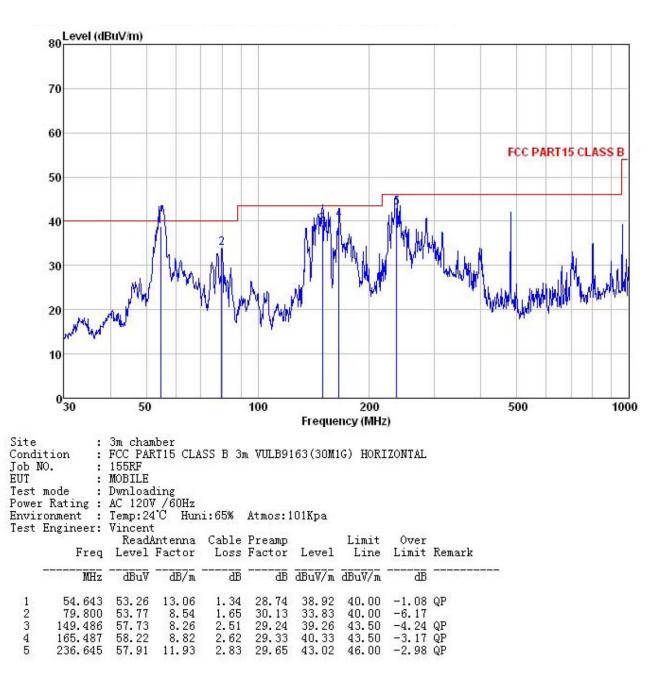
Test Procedure:	1. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic camber. The table was rotated 360 degrees to determine the position of the highest radiation.
	2. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
	3. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
	4. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
	5. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
	6. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.
Test environment:	Temp.: 25 °C Humid.: 55% Press.: 1 01kPa
Measurement Record:	Uncertainty: 4.88dB
Test Instruments:	Refer to section 5.7 for details
Test mode:	Refer to section 5.3 for details
Test results:	Passed



Measurement Data

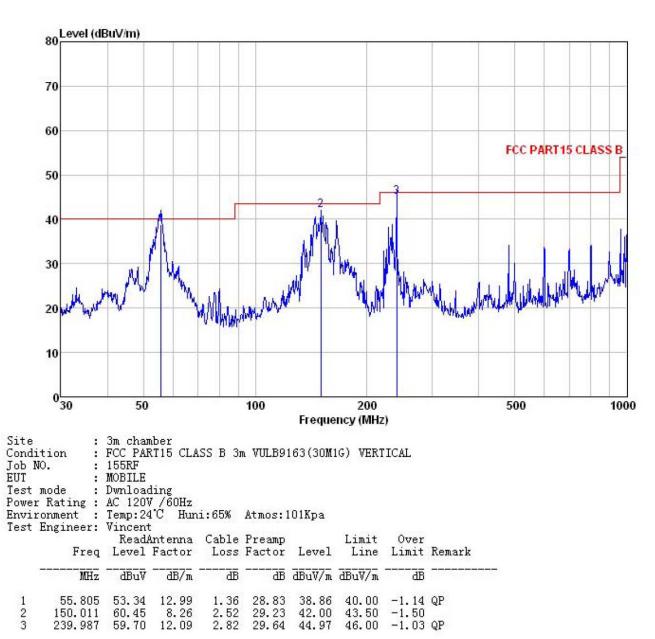
Below 1GHz

Horizontal:





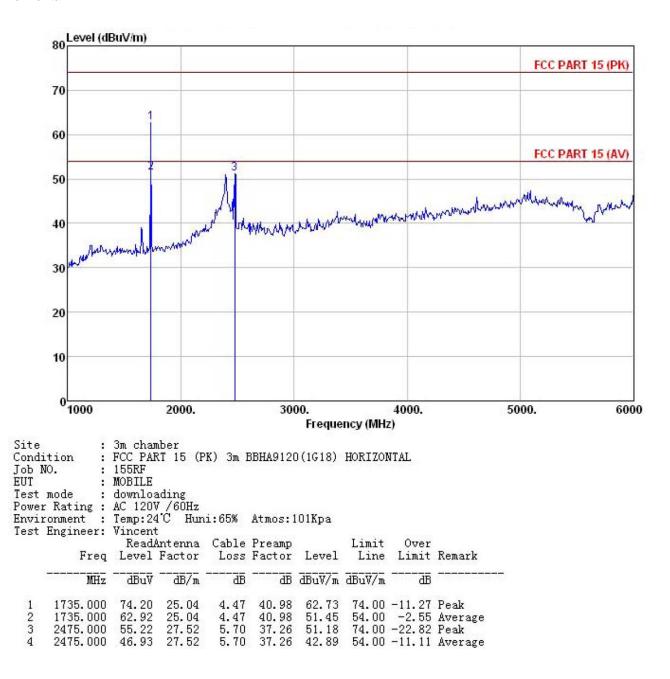
Vertical:



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Above 1GHz Horizontal:



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Vertical:

