FCC REPORT

Applicant:	USA111 INC.
Address of Applicant:	5885 Green Pointe Dr.Suit B Groveport, Ohio, United States

Equipment Under Test (EUT)

Product Name:	Mobile Phone
Model No.:	V4
Trade mark:	iRULU
FCC ID:	2ADOV-V4
Applicable standards:	FCC CFR Title 47 Part 15 Subpart B
Date of sample receipt:	14 Oct., 2015
Date of Test:	14 Oct., to 29 Oct., 2015
Date of report issued:	30 Oct., 2015
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	*30 Oct., 2015*	*Original*

Tested by: ***Date:*** *30 Oct., 2015*

Test Engineer

Reviewed by: ***Date:*** *30 Oct., 2015*

Project Engineer

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4 Test Summary

Test Item	Section in CFR 47	Result
Conducted Emission	Part 15.107	Pass
Radiated Emission	Part 15.109	Pass

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

5 General Information

5.1 Client Information

Applicant:	USA111 INC.
Address of Applicant:	5885 Green Pointe Dr.Suit B Groveport, Ohio, United States
Manufacturer/ Factory:	IDEA INTERNATIONAL DEVELOPMENT LIMITED
Address of Manufacturer/ Factory:	8/F, Building A, Huazhong University of Science and Technology Mansion, Yuexing 3 Rd, High-techSouthZone, Nanshan District, Shenzhen, China.

5.2 General Description of E.U.T.

Product Name:	Mobile Phone
Model No.:	V4
Power supply:	Rechargeable Li-ion Battery DC3.8V-2500mAh
AC adapter :	Model: TPA-655100UU Input:100-240V AC,50/60Hz 0.2A Output:5V DC MAX 1000mA

5.3 Test Mode

Operating mode	Detail description
PC mode	Keep the EUT in Downloading mode(Worst case)
Charging+Recording mode	Keep the EUT in Charging+Recording mode
Charging+Playing mode	Keep the EUT in Charging+Playing mode
FM mode	Keep the EUT in FM receiver mode
GPS mode	Keep the EUT in GPS receiver 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.	

5.4 Description of Support Units

Manufacturer	Description	Model	Serial Number	FCC ID/DoC
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
HP	Printer	CB495A	05257893	DoC
MERCURY	Wireless router	MW150R	12922104015	FCC ID
NAKAMICHI	Bluetooth earphone	T8	N/A	FCC ID

5.5 Laboratory Facility

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

ð **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.

ð **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.

ð **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,
Baoôan District, Shenzhen, Guangdong, China
Tel: +86-755-23118282
Fax: +86-755-23116366

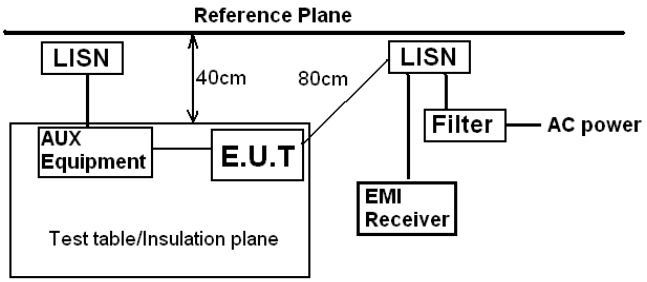
5.7 Test Instruments list

Radiated Emission:						
Item	**Test Equipment**	**Manufacturer**	**Model No.**	**Inventory No.**	**Cal. Date (mm-dd-yy)**	**Cal. Due date (mm-dd-yy)**
1	3m SAC	SAEMC	9(L)*6(W)* 6(H)	CCIS0001	08-23-2014	08-22-2017
2	BiConiLog Antenna	SCHWARZBECK	VULB9163	CCIS0005	03-28-2015	03-28-2016
3	Horn Antenna	SCHWARZBECK	BBHA9120D	CCIS0006	03-28-2015	03-28-2016
4	Pre-amplifier (10kHz-1.3GHz)	HP	8447D	CCIS0003	04-01-2015	03-31-2016
5	Pre-amplifier (1GHz-18GHz)	Compliance Direction Systems Inc.	PAP-1G18	CCIS0011	04-01-2015	03-31-2016
6	Spectrum analyzer 9k-30GHz	Rohde & Schwarz	FSP30	CCIS0023	03-28-2015	03-28-2016
7	EMI Test Receiver	Rohde & Schwarz	ESRP7	CCIS0167	03-28-2015	03-28-2016

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	11-10-2012	11-09-2015
2	EMI Test Receiver	Rohde & Schwarz	ESCI	CCIS0002	03-28-2015	03-28-2016
3	LISN	CHASE	MN2050D	CCIS0074	03-28-2015	03-28-2016
4	Coaxial Cable	CCIS	N/A	CCIS0086	04-01-2015	03-31-2016

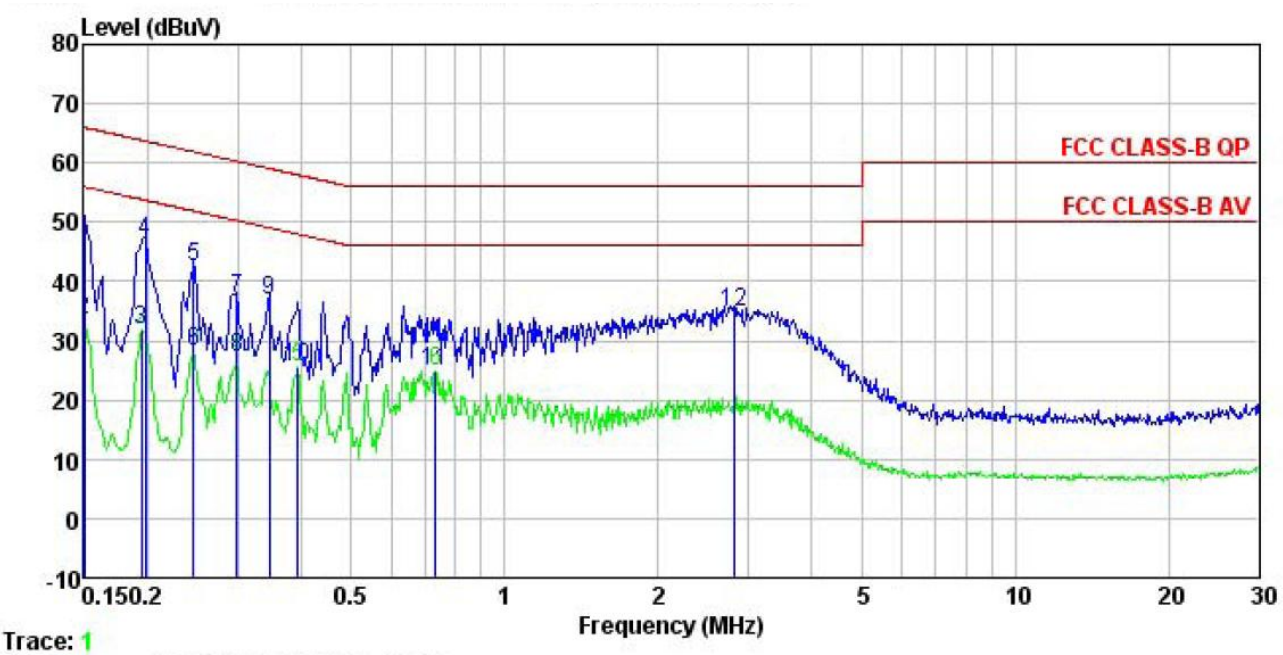
6 Test results and Measurement Data

6.1 Conducted Emission

Test Requirement:	FCC Part 15 B Section 15.107		
Test Method:	ANSI C63.4:2009		
Test Frequency Range:	150kHz to 30MHz		
Class / Severity:	Class B		
Receiver setup:	RBW=9kHz, VBW=30kHz		
Limit:	Frequency range (MHz)	Limit (dBµV)	
		Quasi-peak	Average
	0.15-0.5	66 to 56*	56 to 46*
	0.5-5	56	46
	0.5-30	60	50
	* Decreases with the logarithm of the frequency.		
Test setup:	 *Remark:* *E.U.T: Equipment Under Test* *LISN: Line Impedence Stabilization Network* *Test table height=0.8m*		
Test procedure	1. The E.U.T and simulators are connected to the main power through a line impedance stabilization network(L.I.S.N.). The provide a 50ohm/50uH coupling impedance for the measuring equipment. 2. The peripheral devices are also connected to the main power through a LISN that provides a 50ohm/50uH coupling impedance with 50ohm termination. (Please refers to the block diagram of the test setup and photographs). 3. Both sides of A.C. line are checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.4: 2009 on conducted measurement.		
Test environment:	Temp.: 23 ℃	Humid.: 56%	Press.: 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:

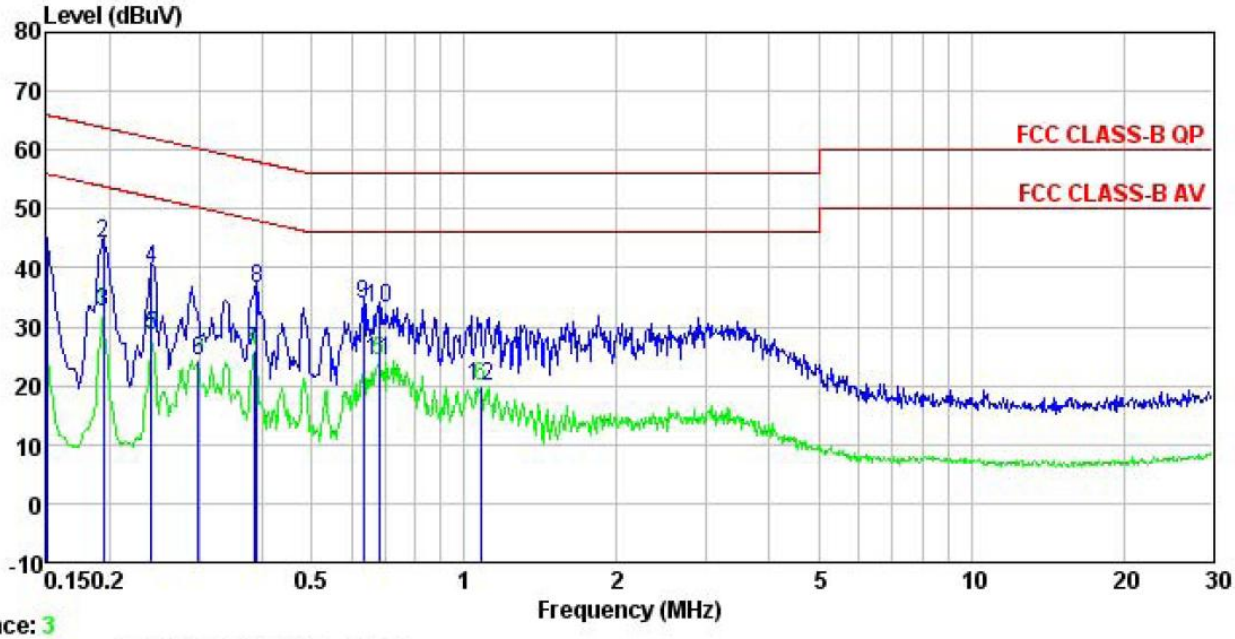


Trace: 1

```
Site          : CCIS Shielding Room
Condition     : FCC CLASS-B QP LISN LINE
Ror           : 788RF
EUT           : Mobile Phone
Model         : V4
Test Mode     : PC mode
Power Rating  : AC 120V/60Hz
Environment   : Temp: 23 'C Huni:56%  Atmos:101KPa
Test Engineer: Carey
Remark        :
```

	Freq	Read Level	LISN Factor	Cable Loss	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dB	dBuV	dBuV	dB	
1	0.150	39.15	0.27	10.78	50.20	66.00	-15.80	QP
2	0.150	22.58	0.27	10.78	33.63	56.00	-22.37	Average
3	0.194	20.77	0.28	10.76	31.81	53.84	-22.03	Average
4	0.198	35.90	0.28	10.76	46.94	63.71	-16.77	QP
5	0.246	31.37	0.27	10.75	42.39	61.91	-19.52	QP
6	0.246	17.21	0.27	10.75	28.23	51.91	-23.68	Average
7	0.299	26.08	0.26	10.74	37.08	60.28	-23.20	QP
8	0.299	16.24	0.26	10.74	27.24	50.28	-23.04	Average
9	0.346	25.93	0.27	10.73	36.93	59.05	-22.12	QP
10	0.393	14.58	0.28	10.72	25.58	47.99	-22.41	Average
11	0.731	13.98	0.22	10.78	24.98	46.00	-21.02	Average
12	2.809	23.76	0.27	10.93	34.96	56.00	-21.04	QP

Neutral:



Trace: 3

Site : CCIS Shielding Room
Condition : FCC CLASS-B QP LISN NEUTRAL
Ror : 788RF
EUT : Mobile Phone
Model : V4
Test Mode : PC mode
Power Rating : AC 120V/60Hz
Environment : Temp: 23 'C Huni:56% Atmos:101KPa
Test Engineer: Carey
Remark :

	Freq	Read Level	LISN Factor	Cable Loss	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dB	dBuV	dBuV	dB	
1	0.150	33.22	0.25	10.78	44.25	66.00	-21.75	QP
2	0.194	33.23	0.25	10.76	44.24	63.84	-19.60	QP
3	0.194	21.50	0.25	10.76	32.51	53.84	-21.33	Average
4	0.242	28.87	0.25	10.75	39.87	62.04	-22.17	QP
5	0.242	17.39	0.25	10.75	28.39	52.04	-23.65	Average
6	0.299	13.30	0.26	10.74	24.30	50.28	-25.98	Average
7	0.385	14.77	0.25	10.72	25.74	48.17	-22.43	Average
8	0.389	25.53	0.25	10.72	36.50	58.08	-21.58	QP
9	0.634	22.78	0.21	10.77	33.76	56.00	-22.24	QP
10	0.679	22.09	0.19	10.77	33.05	56.00	-22.95	QP
11	0.679	13.36	0.19	10.77	24.32	46.00	-21.68	Average
12	1.077	8.74	0.23	10.88	19.85	46.00	-26.15	Average

Notes:

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

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

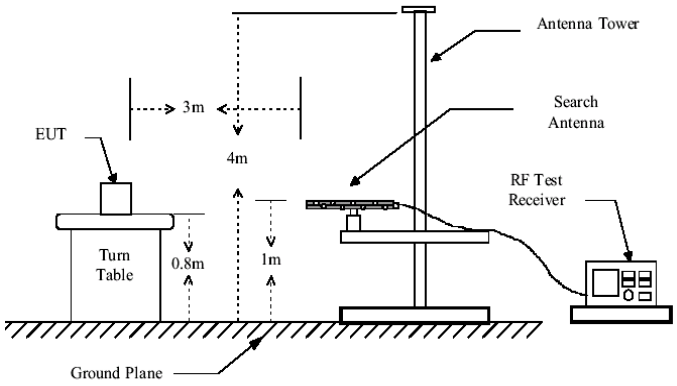
6.2 Radiated Emission

Test Requirement:	FCC Part 15 B Section 15.109				
Test Method:	ANSI C63.4:2009				
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	120kHz	300kHz	Quasi-peak Value
	Above 1GHz	Peak	1MHz	3MHz	Peak Value
		RMS	1MHz	3MHz	Average Value

Limit:	Frequency	Limit (dBuV/m @3m)	Remark
	30MHz-88MHz	40.0	Quasi-peak Value
	88MHz-216MHz	43.5	Quasi-peak Value
	216MHz-960MHz	46.0	Quasi-peak Value
	960MHz-1GHz	54.0	Quasi-peak Value
	Above 1GHz	54.0	Average Value
		74.0	Peak Value

Test setup:

Below 1GHz



Above 1GHz