TEST REPORT

REPORT NUMBER: B16X50179-FCC-EMC_Rev1

ON

Type of Equipment: Mobile Phone

Type of Designation: U200

Manufacturer: Corporativo Lanix S.A.de C.V.

ACCORDING TO

Subpart B, PART 15, RADIO FREQUENCY DEVICES , May 31, 2016

China Telecommunication Technology Labs.

Month date, year

May, 31, 2016

Signature

He Guili
Director

Note:

The test results in this test report relate only to the devices specified in this report. This report shall not be reproduced except in full without the written approval of China Telecommunication Technology Labs.

FCC ID:	ZC4U200
Report Date:	2016-05-31

Test Firm Name:	China Telecommunication Technology Labs
Registration Number:	840587

Statement

The measurements shown in this report were made in accordance with the procedures described on test pages. All reported tests were carried out on a sample equipment to demonstrate limited compliance with FCC CFR 47 Part 15. The sample tested was found to comply with the requirements defined in the applied rules.

CONTENTS

1 General Information

1.1 Notes

All reported tests were carried out on a sample equipment to demonstrate limited compliance with FCC CFR 47 Part15.

The test results of this test report relate exclusively to the item(s) tested as specified in section 2.

The following deviation from, additions to, or exclusions from the test specifications have been made. See Annex C.

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1.2 Testers

Name: Li Guoqing

Position: Engineer

Department: Department of EMC test

Date: 2016-05-31

Signature: 

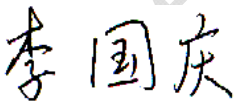
Editor of this test report:

Name: Li Guoqing

Position: Engineer

Department: Department of EMC test

Date: 2016-05-31

Signature: 

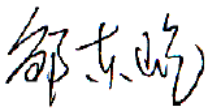
Technical responsibility for area of testing:

Name: Zou Dongyi

Position: Manager

Department: Department of EMC test

Date: 2016-05-31

Signature: 

1.3 Testing Laboratory information

1.3.1 Location

Name:	China Telecommunication Technology Labs.
Address:	No. 11, Yue Tan Nan Jie, Xi Cheng District BEIJING P. R. CHINA, 100083
Tel:	+86 10 68094078
Fax:	+86 10 68011404
Email:	emc@chinattl.com

1.3.2 Details of accreditation status

Accredited by:	China National Accreditation Service for Conformity Assessment (CNAS)
Registration number:	CNAS Registration No. CNAS L0570
Standard:	ISO/IEC 17025:2005

1.3.3 Test location, where different from section 1.3.1

Name:	------
Address:	------

1.4 Details of applicant or manufacturer

1.4.1 Applicant

Name:	Corporativo Lanix S.A.de C.V.
Address:	Carretera Internacional Hermosillo - Nogales Km 8.5 Hermosillo, Sonora, México
Country:	Mexico
Telephone:	6621090811
Fax:	--
Contact:	Oscar Guzman
Telephone:	6621090811
Email:	oguzman@lanix.com

1.4.2 Manufacturer (if different from applicant in section 1.4.1)

Name:	Corporativo Lanix S.A.de C.V.
Address:	Carretera Internacional Hermosillo - Nogales Km 8.5 Hermosillo, Sonora, México
City:	Sonora
Country:	Mexico

1.4.3 Manufactory (if different from applicant in section 1.4.1)

Name:	Corporativo Lanix S.A.de C.V.
Address:	Carretera Internacional Hermosillo - Nogales Km 8.5 Hermosillo, Sonora, México
City:	Sonora
Country:	Mexico

2 Test Item

2.1 General Information

Manufacturer:	Corporativo Lanix S.A.de C.V.
Name:	Mobile Phone
Model Number:	U200
IMEI Number:	35630707001879
Production Status:	Product
Receipt date of test item:	2016-05-25

2.2 Outline of EUT

The EUT, U200 is a model supporting GSM 850/1900 bands.

2.3 Modifications Incorporated in EUT

The EUT has not been modified from what is described by the brand name and unique type identification stated above.

2.4 Equipment Configuration

Equipment configuration list:

Item	Generic Description	Manufacturer	Type	Serial No.	Remarks
A	Mobile Phone	Corporativo Lanix S.A.de C.V.	U200	--	None
B	Battery	None	None	--	None
C	Adaptor	None	None	--	None

2.5 Other Information

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3 Summary of Test Results

A brief summary of the tests carried out is shown as following.

Configuration1		
Specification Clause	Name of Test	Result
15.109(a)	Radiated Emission	Pass
15.107(a)	Conducted Emission	Pass

Test equipment Used:

Number	Description	Manufacturer	Model Number	Serial Number	Cal Due	State
1	EMI Test Receiver	R/S	ESU	100367	2017-03-05	Normal
2	Ultra Broadband Antenna	R/S	VULB 9163	vulb9163—544	2017-01-05	Normal
3	Double-Ridged Horn Antenna	R/S	HF907	100357	2016-12-12	Normal
4	Fully-Anechoic Chamber	ETS	11.8m×6.5m×6.3m	--	2016-11-14	Normal
5	AMN	R/S	ENV216	101128	2017-03-05	Normal

4 Test Results

4.1 Radiated Emission

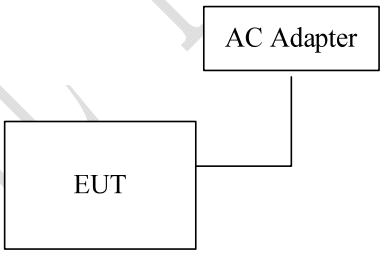
Specifications:	15.109(a)
Date of Tests	2016-05-25-2016-05-31
Test conditions:	Ambient Temperature:15℃-35℃ Relative Humidity:30%-60% Air pressure: 86-106kPa
Operation Mode	Normal
Test Results:	Pass

Limit Level Construction:

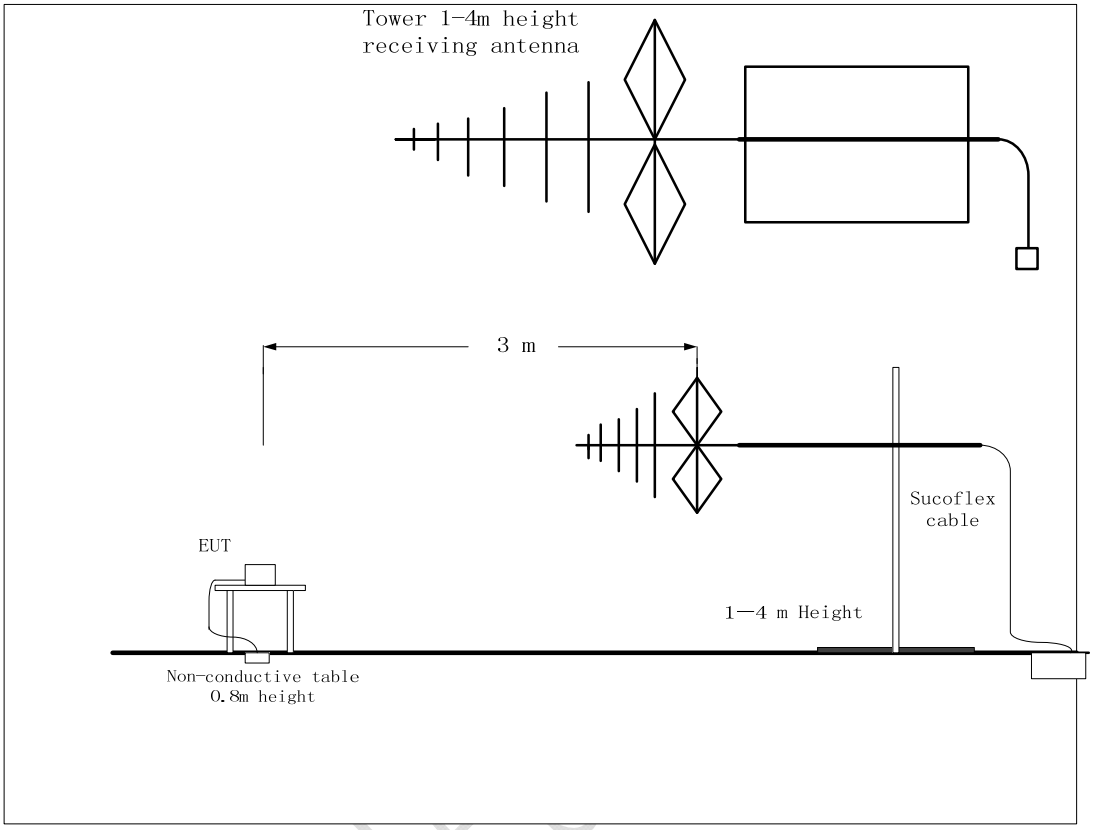
Frequency Range (MHz)	Quasi-Peak (dBuV/m)
30-88	40
88-216	43.5
216-960	46
Above 960	54

Frequency Range (MHz)	Peak (dBuV/m)	Average (dBuV/m)
Above 1000	74	54

EUT Setup:



Test Setup:



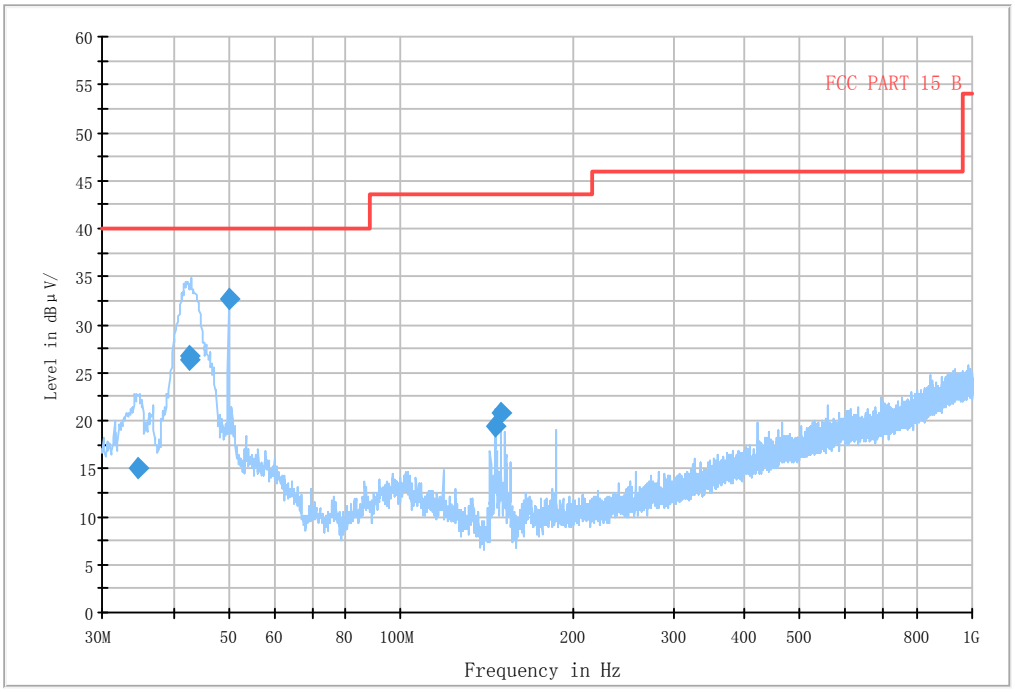
Test Method:

For 30-1000MHz, the EUT was placed on the top of a rotating 0.8-m table above the ground at a semi-anechoic chamber. The distance between the EUT and the received antenna was 3 meters. The table was rotated 360 degree and the received antenna mounted on a variable-height antenna tower was varied from 1m to 4m to find the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna were set during the measurement. Tested in accordance with the procedures of ANSI C63.4-2014, section 8.3.

For 1000-12750MHz, the maximal emission value was acquired by adjusting the antenna height, and the table was rotated 360 degree to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna were set during the measurement.

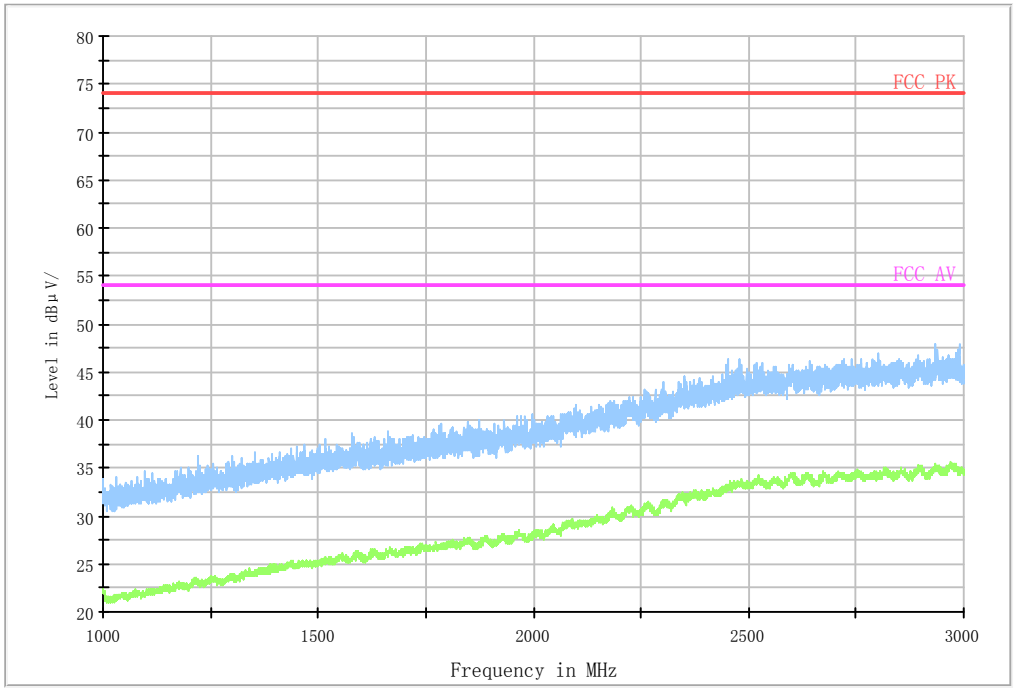
Test Data

RE 30MHz-1GHz

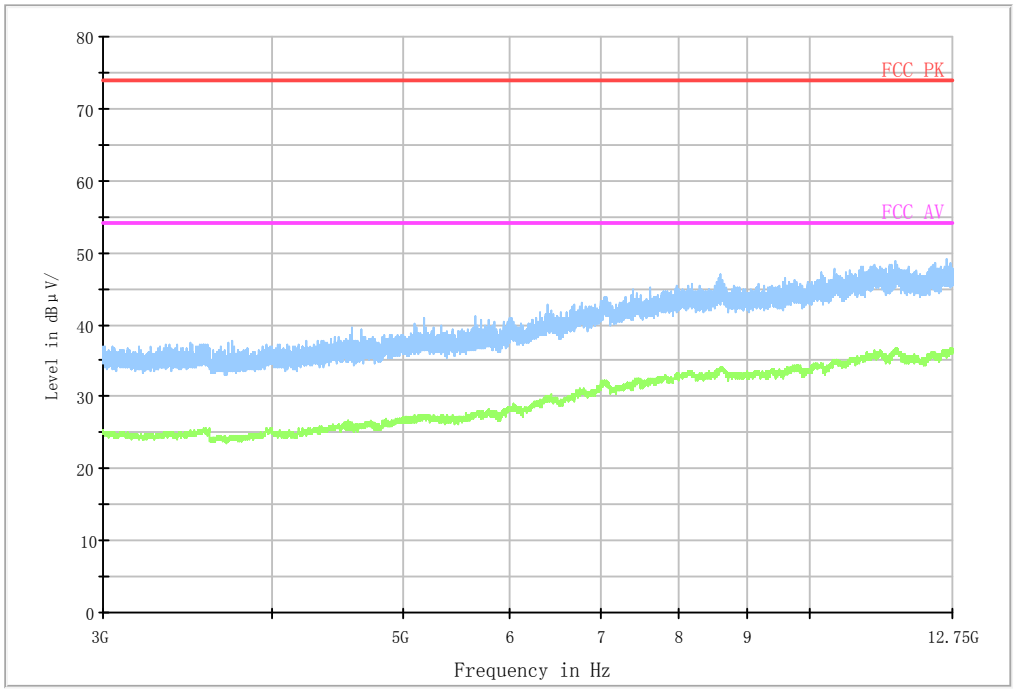


Frequency MHz	QP dBuV/m	Mea.Time ms	RBW KHz	Height cm	Polarity	Azimuth deg	Margin dB	Limit dBuV/m
34.568000	15.0	1000.0	120.0	300.0	V	90.0	25.0	40.0
42.625000	26.7	1000.0	120.0	116.0	V	60.0	13.3	40.0
42.698000	26.3	1000.0	120.0	116.0	V	120.0	13.7	40.0
49.982000	32.7	1000.0	120.0	99.0	V	210.0	7.3	40.0
146.400000	19.4	1000.0	120.0	202.0	H	65.0	24.1	43.5
149.310000	20.7	1000.0	120.0	201.0	H	120.0	22.8	43.5

RE 1GHz-3GHz



RE 3GHz-18GHz



Test photo

See the Pic1~3 in document" U200-EMC Test Setup Photos".

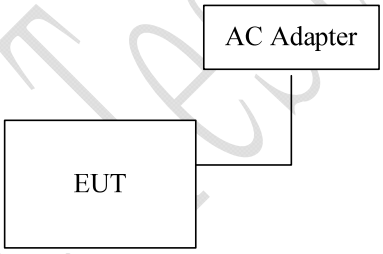
4.2 Conducted Emission

Specifications:	15.107(a)
Date of Tests	2016-05-25-2016-05-31
Test conditions:	Ambient Temperature:15℃-35℃ Relative Humidity:30%-60% Air pressure: 86-106kPa
Operation Mode	Normal
Test Results:	Pass

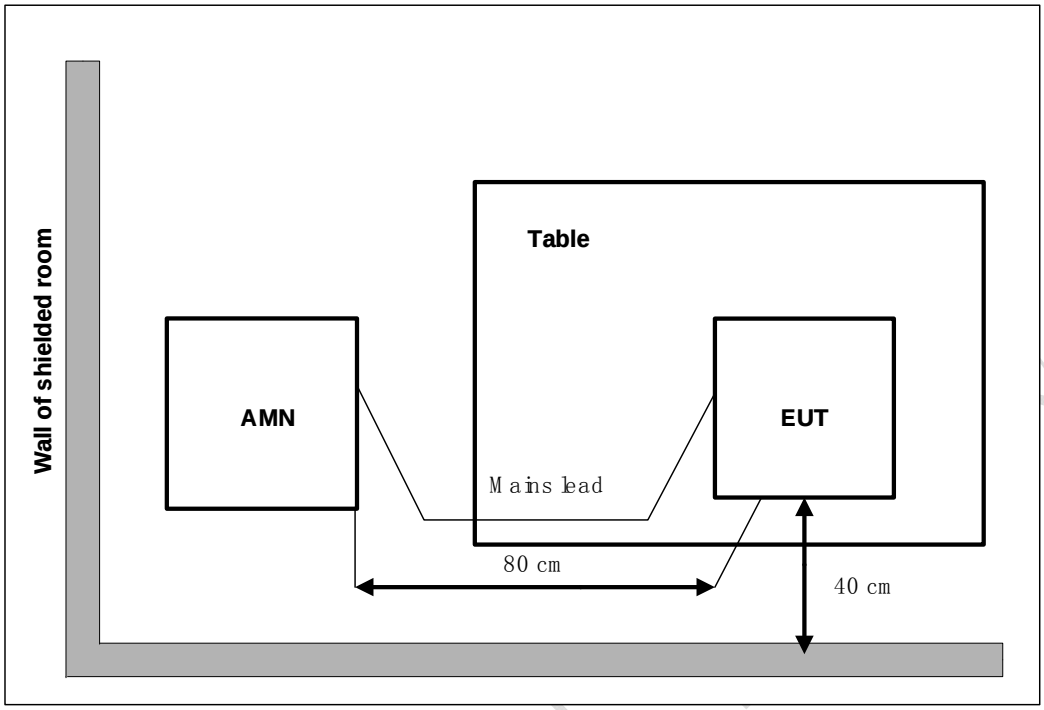
Limit Level Construction:

Frequency Range (MHz)	Conducted Limit (dBuV)	
	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		

EUT Setup:



Test Setup:

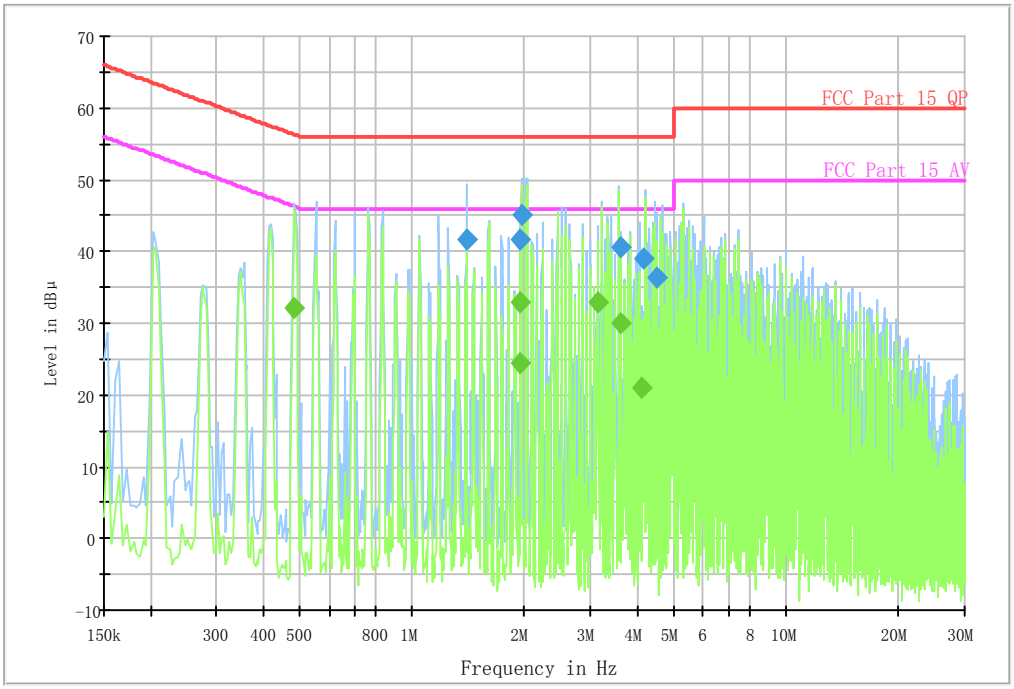


Test Method:

For equipment that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies with the band 150 kHz to 30MHz shall not exceed the limits. Both lines of the power mains connected to the EUT were checked for maximum conducted interference. Tested in accordance with the procedures of ANSI C63.4-2014, section 7.3

Test Data

CISPR N&L1 Voltage 150k to 30MHz-Class B



Frequency MHz	QP dBuV	Mea.Time ms	Line	Margin dB	Limit dBuV
1.394238	41.6	1000.0	L1	14.4	56.0
1.944819	41.6	1000.0	L1	14.4	56.0
1.957925	45.2	1000.0	L1	10.8	56.0
3.614094	40.7	1000.0	L1	15.3	56.0
4.164944	38.9	1000.0	L1	17.1	56.0
4.501862	36.5	1000.0	L1	19.5	56.0

Frequency MHz	AV dBuV	Mea.Time ms	Line	Margin dB	Limit dBuV
0.483812	32.1	1000.0	L1	14.2	46.3
1.941925	24.6	1000.0	L1	21.4	46.0
1.944819	33.0	1000.0	L1	13.0	46.0
3.127356	32.9	1000.0	L1	13.1	46.0
3.618094	30.1	1000.0	L1	15.9	46.0
4.108944	21.0	1000.0	N	25.0	46.0

Test photo

See the Pic4 in document" U200-EMC Test Setup Photos".

Annex A External Photos

See the document" U200-External Photos".

Annex B Internal Photos

See the document" U200-Internal Photos".

ANNEX C Deviations from Prescribed Test Methods

No deviation from Prescribed Test Methods.

The End of this Report