



TEST REPORT

REPORT NUMBER: B16X50266-EMC

ON

Type of Equipment: Tablet

Type of Designation: Ilium Pad L8X

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

ACCORDING TO

Subpart B, PART 15, RADIO FREQUENCY DEVICES , July 14, 2016

China Telecommunication Technology Labs.

Month date, year
Jul, 18, 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 Part15B
Equipment: Ilium Pad L8X

REPORT NO.: B16X50266-EMC

FCC ID: ZC4L8X

Report Date: 2016-07-18

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.

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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: 2016-07-18
Signature: 李国庆

Editor of this test report:

Name: Li Guoqing
Position: Engineer
Department: Department of EMC test
Date: 2016-07-18
Signature: 李国庆

Technical responsibility for area of testing:

Name: Zou Dongyi
Position: Manager
Department: Department of EMC test
Date: 2016-07-18
Signature: 邹东屹

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
Country: Mexico

2 Test Item

2.1 General Information

Manufacturer: Corporativo Lanix S.A.de C.V.
Name: Tablet
Model Number: Ilium Pad L8X
Serial Number: --
Production Status: Product
Receipt date of test item: 2015-06-29

2.2 Outline of EUT

The EUT, Ilium Pad L8X is a model supporting EDGE/GPRS/GSM 850/1900 bands, UMTS/HSDPA/HSUPA FDDII/V bands, FDD LTE BAND 2/4/7/17.

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	Pad	Corporativo Lanix S.A.de C.V.	Ilium Pad L8X	--	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

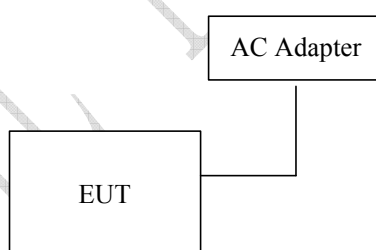
Specifications:	15.109(a)
Date of Tests	2016-06-29-2016-07-14
Test conditions:	Ambient Temperature:15℃-35℃ Relative Humidity:30%-60% Air pressure: 86-106kPa
Operation Mode	Normal
Test Results:	Pass

Limit Level Construction:

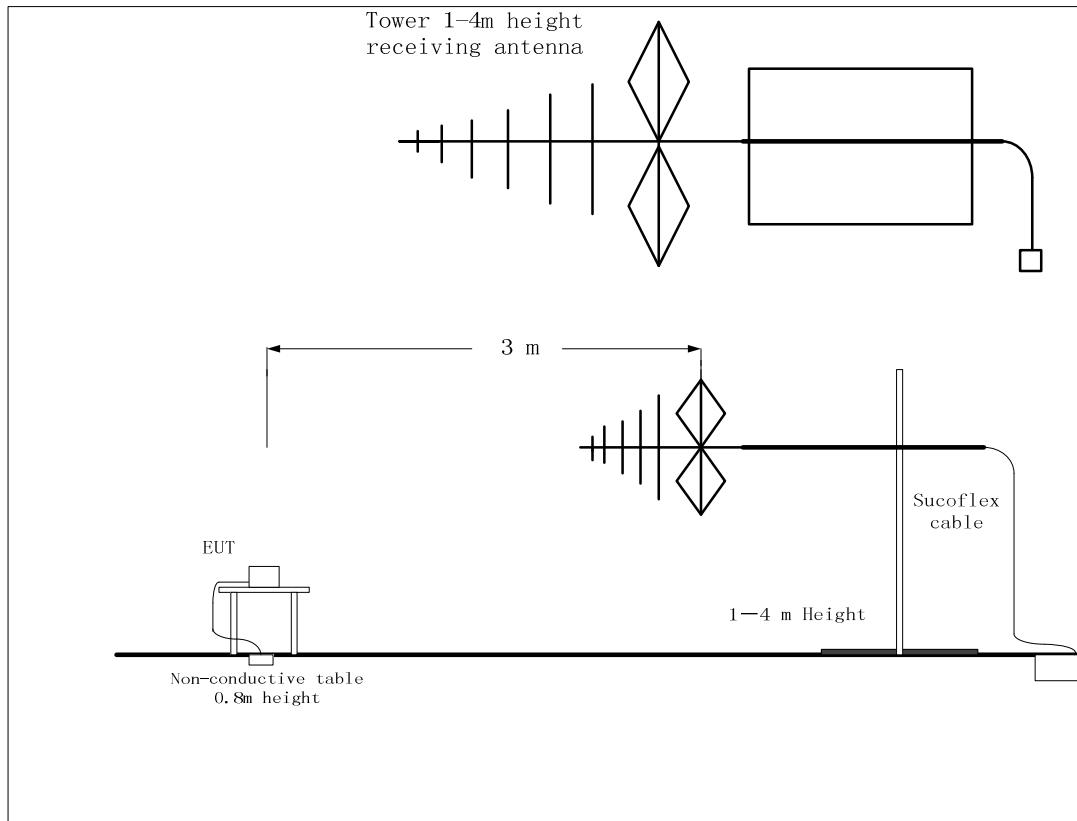
Frequency Range (MHz)	Quasi-Peak (dBuV/m)
30-88	40
88-216	43.5
216-960	46
Above 960	54

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.

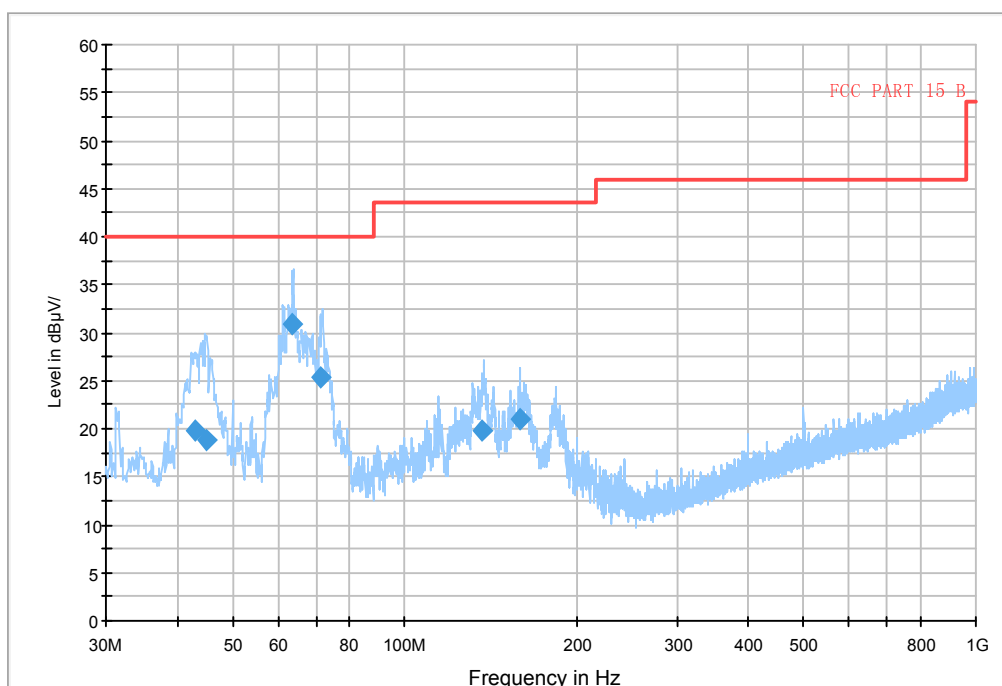
For 1000-12750MHz, the maximal emission value was acquired by adjusting the antenna height, and the table was rotated 360 degree to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna were set during the measurement.

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Test Data

RE 30MHz-1GHz

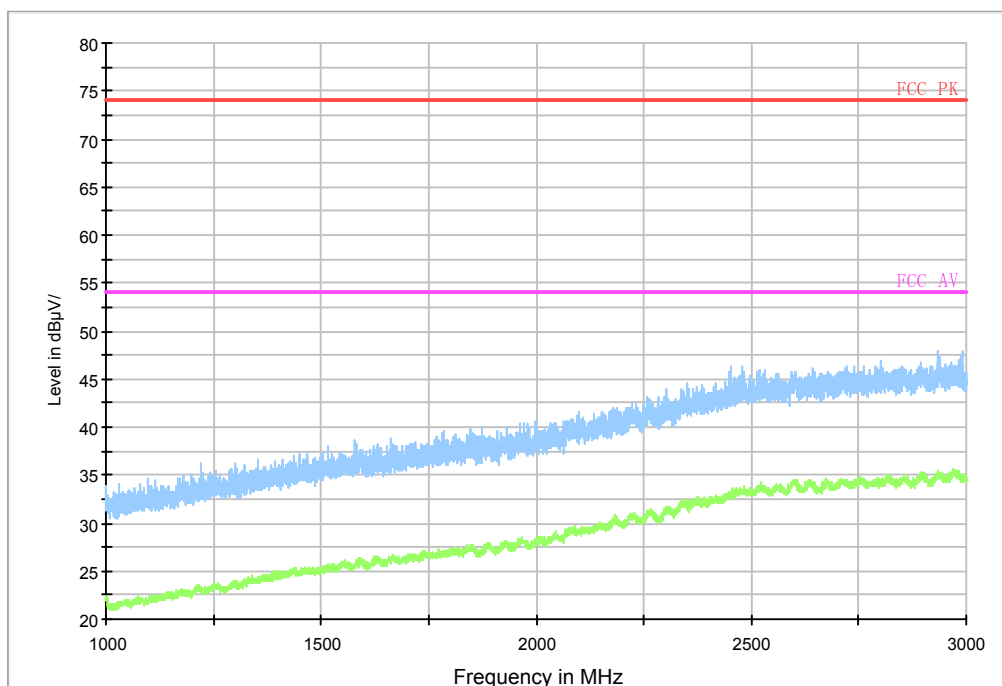


Frequency MHz	QP dBuV/m	Mea.Time ms	RBW KHz	Height cm	Polarity	Azimuth deg	Margin dB	Limit dBuV/m
42.916000	19.8	1000.0	120.0	218.0	V	180.0	20.2	40.0
45.041000	18.7	1000.0	120.0	185.0	V	90.0	21.3	40.0
63.353000	30.9	1000.0	120.0	116.0	V	245.0	9.1	40.0
71.507000	25.4	1000.0	120.0	116.0	V	270.0	14.6	40.0
136.976000	19.9	1000.0	120.0	216.0	H	0.0	23.6	43.5
159.798000	20.9	1000.0	120.0	183.0	H	300.0	22.6	43.5

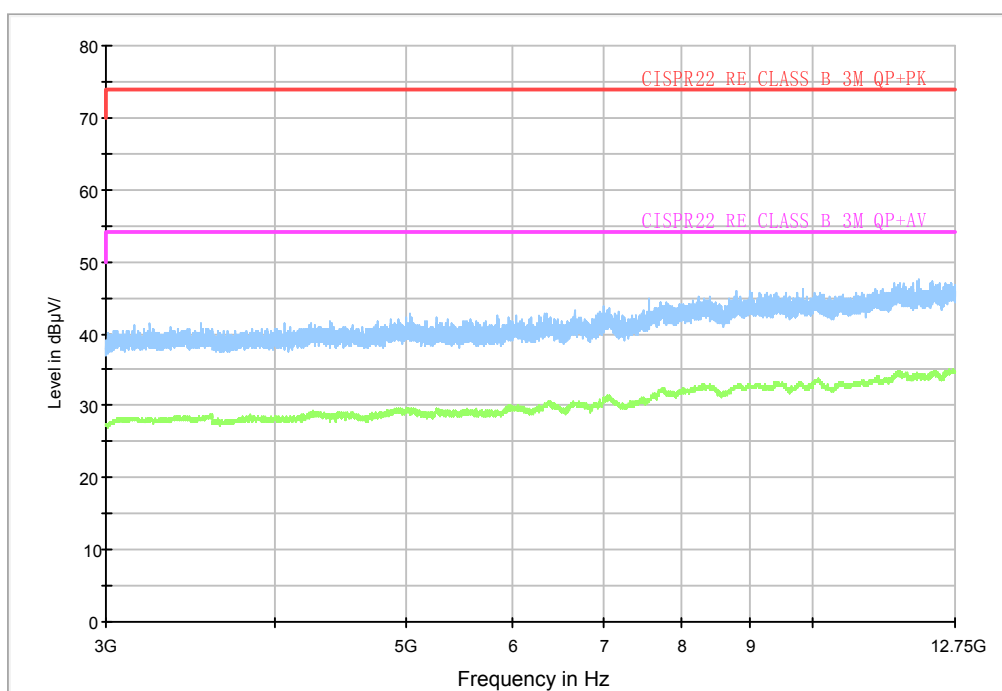
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RE 1GHz-3GHz



RE 3GHz-12.75GHz



Test photo

See the Pic1~9 in document "Ilium Pad L8X_EMC Test Setup Photos".

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4.2 Conducted Emission

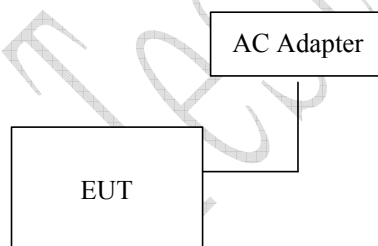
Specifications:	15.107(a)
Date of Tests	2016-06-29-2016-07-14
Test conditions:	Ambient Temperature:15℃-35℃ Relative Humidity:30%-60% Air pressure: 86-106kPa
Operation Mode	Normal
Test Results:	Pass

Limit Level Construction:

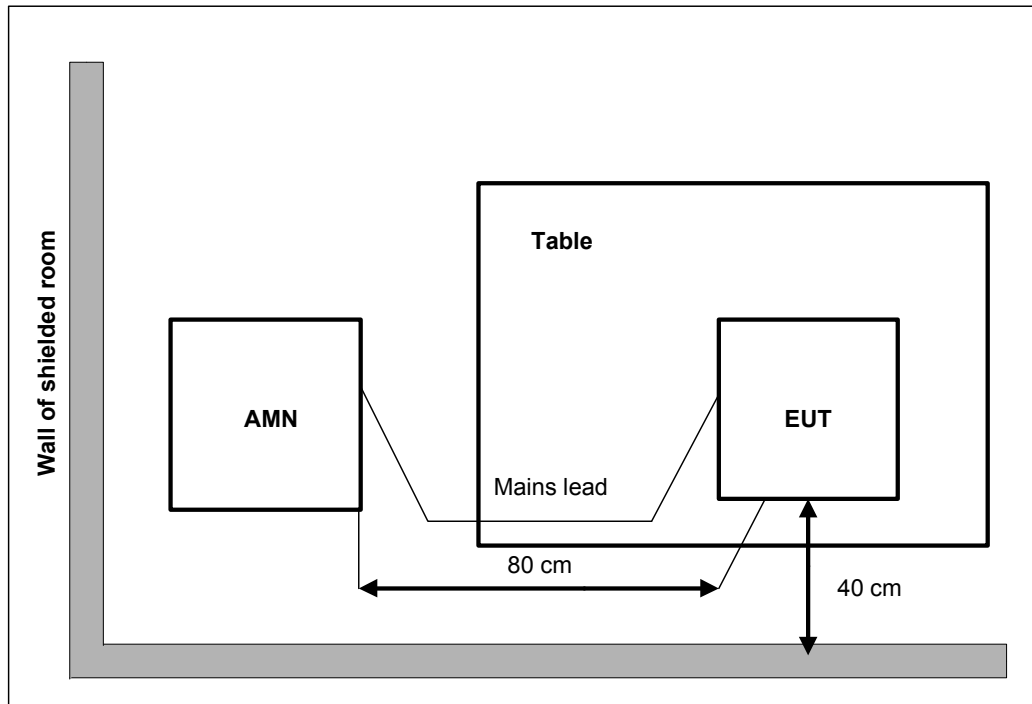
Frequency Range (MHz)	Conducted Limit (dBuV)	
	Quasi-peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50

*Decreases with the logarithm of the frequency

EUT Setup:



Test Setup:



Test Method:

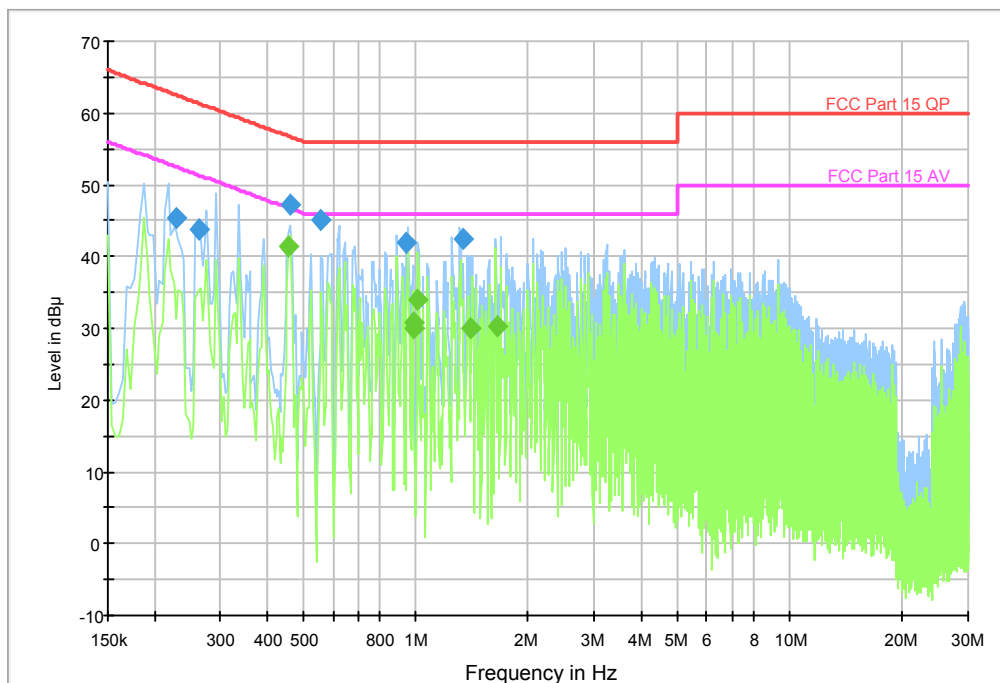
For equipment that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies with the band 150 kHz to 30MHz shall not exceed the limits. Both lines of the power mains connected to the EUT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

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Test Data

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



Frequency MHz	QP dBuV	Mea.Time ms	Line	Margin dB	Limit dBuV
0.229788	45.3	1000.0	L1	17.2	62.5
0.262562	43.7	1000.0	L1	17.6	61.3
0.461425	47.2	1000.0	L1	9.5	56.7
0.553869	45.0	1000.0	L1	11.0	56.0
0.946219	41.9	1000.0	L1	14.1	56.0
1.336419	42.4	1000.0	L1	13.6	56.0

Frequency MHz	AV dBuV	Mea.Time ms	Line	Margin dB	Limit dBuV
0.457694	41.4	1000.0	L1	5.3	46.7
0.982219	30.7	1000.0	L1	15.3	46.0
0.982519	30.1	1000.0	L1	15.9	46.0
1.009919	34.0	1000.0	L1	12.0	46.0
1.404150	30.0	1000.0	L1	16.0	46.0
1.657306	30.2	1000.0	L1	15.8	46.0

Test photo

See the Pic10 in document "Ilium Pad L8X_EMC Test Setup Photos".

Annex A External Photos

See the document "Ilium Pad L8X-External Photos".

Annex B Internal Photos

See the document "Ilium Pad L8X-Internal Photos".

ANNEX C Deviations from Prescribed Test Methods

No deviation from Prescribed Test Methods.

_____ **The End of this Report** _____