

TEST REPORT

REPORT NUMBER: B15X50050-FCC-EMC

ON

Type of Equipment: Ilium X400 Smart Phone
Type of Designation: IliumX400
Manufacturer: Shenzhen fortuneshiptechnology,LTD

ACCORDING TO

**Subpart B, PART15, RADIO FREQUENCY DEVICES, Mar17,
2015**

China Telecommunication Technology Labs.

Month date, year
March,17, 2015

Signature

A handwritten signature in black ink, appearing to be 'He Guili', written in a cursive style.

He Guili
Director

FCC Part15B
Equipment: IliumX400

REPORT NO.: B15X50050-FCC-EMC

FCC ID: ZC4X400
Report Date: 2015-03-17

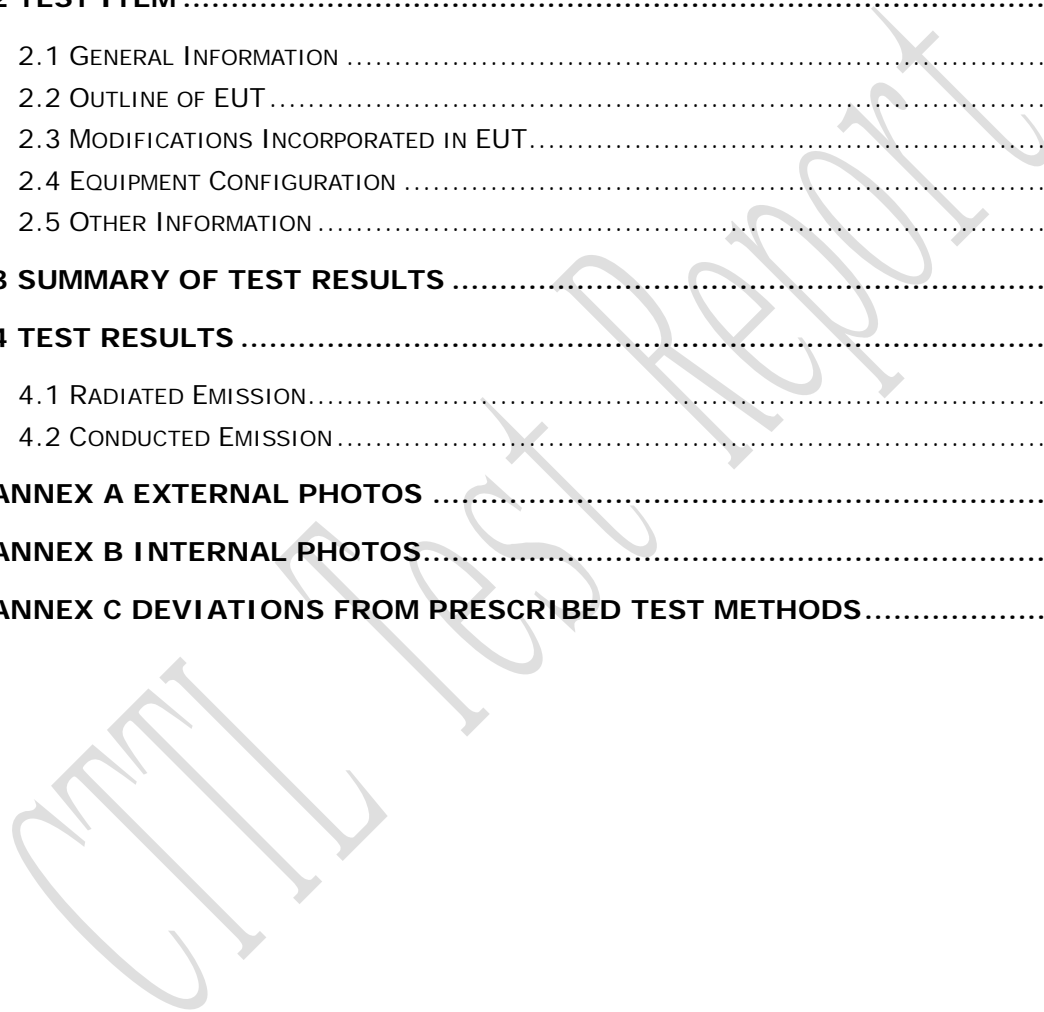
Test Firm Name: China Telecommunication Technology Labs
Registration Number: 840587

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 Part15B.

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.

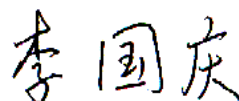
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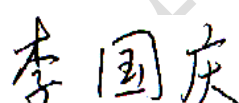
FCC Part15B
Equipment: IliumX400

REPORT NO.: B15X50050-FCC-EMC

1.2 Testers

Name: Li Guoqing
Position: Engineer
Department: Department of EMC test
Date: 2015-03-17
Signature: 

Editor of this test report:

Name: Li Guoqing
Position: Engineer
Department: Department of EMC test
Date: 2015-03-17
Signature: 

Technical responsibility for area of testing:

Name: Zou Dongyi
Position: Manager
Department: Department of EMC test
Date: 2015-03-17
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: CoroporativoLanix S.A. de C.V
Address: Carrtererainternacional Hermosillo-Nogales Km 8.5
Country: Mexico
Telephone: 6621090811
Fax: --
Contact: Oscar Guzman
Telephone: 6621090811
Email: Oguzman@lanix.ciim

1.4.2 Manufacturer (if different from applicant in section 1.4.1)

Name: Shenzhen fortuneshiptechnology.,LTD
Address: 6th Floor,Kingson Building,New Energ Innovation
Industrial Park,No.1Chuangsheng Road,Nanshan
District,Shenzhen P.R.China
City: Shenzhen
Country: China

1.4.3 Manufactory (if different from applicant in section 1.4.1)

Name: Shenzhen fortuneshiptechnology.,LTD
Address: 6th Floor,Kingson Building,New Energ Innovation
Industrial Park,No.1Chuangsheng Road,Nanshan
District,Shenzhen P.R.China
City: Shenzhen
Country: China

2 Test Item

2.1 General Information

Manufacturer: Shenzhen fortuneshiptechnology,LTD
 Name: Ilium X400 Smart Phone
 Model Number: IliumX400
 Serial Number: --
 Production Status: Product
 Receipt date of test item: 2015-02-02

2.2 Outline of EUT

The EUT, Ilium X400 is a model supporting GSM850/ PCS1900 bands and UMTS/HSDPA/HSUPA FDDII/V 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	Shenzhen fortuneship technology, LTD	Ilium X400	--	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.

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	2016-03-06	Normal
2	Ultra Broadband Antenna	R/S	VULB 9163	vulb9163-544	2015-12-13	Normal
3	Double-Ridged Horn Antenna	R/S	HF907	100357	2015-12-13	Normal
4	Fully-Anechoic Chamber	ETS	11.8m×6.5m×6.3m	--	2015-11-15	Normal
5	AMN	R/S	ENV216	101128	2016-03-06	Normal

4 Test Results

4.1 Radiated Emission

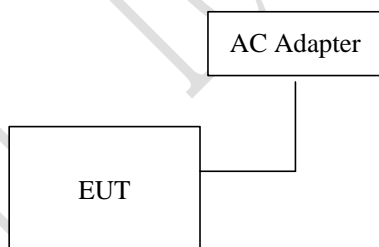
Specifications:	15.109(a)
Date of Tests	2015-02-15~2014-03-01
Test conditions:	Ambient Temperature: 15°C-35°C Relative Humidity: 30%-60% Air pressure: 86-106kPa
Operation Mode	Normal
Test Results:	Pass

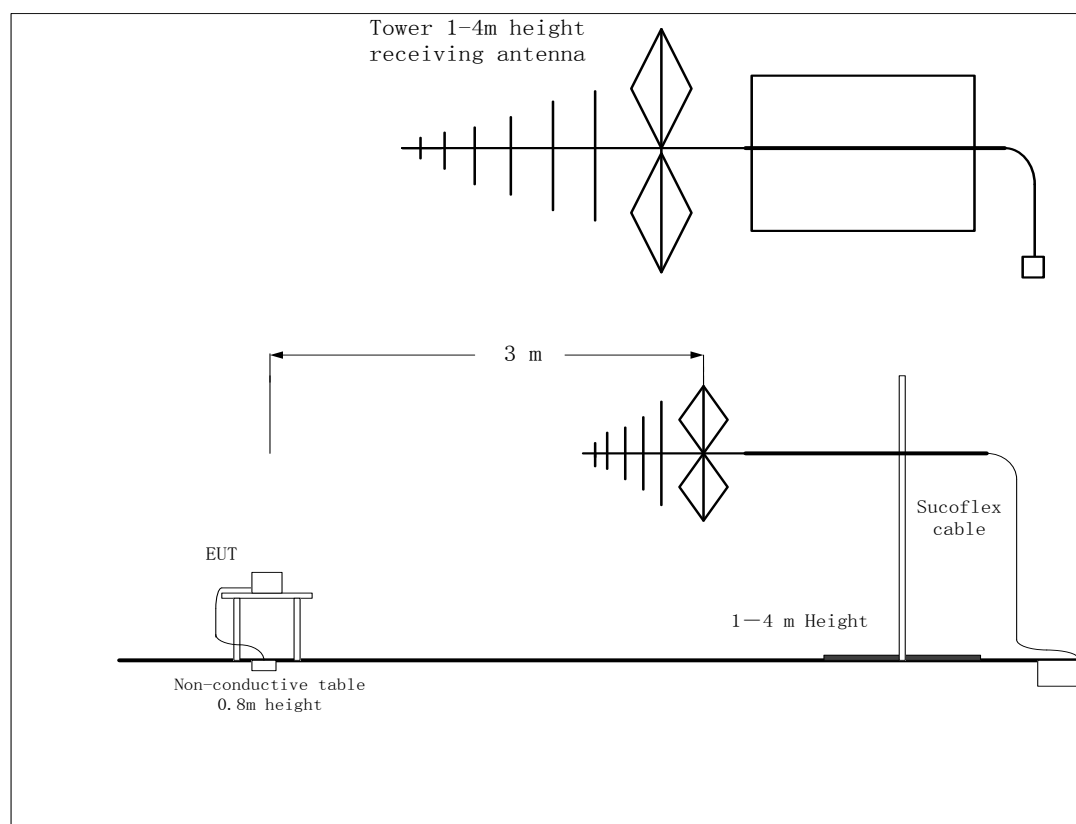
Limit Level Construction:

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

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

EUT Setup:



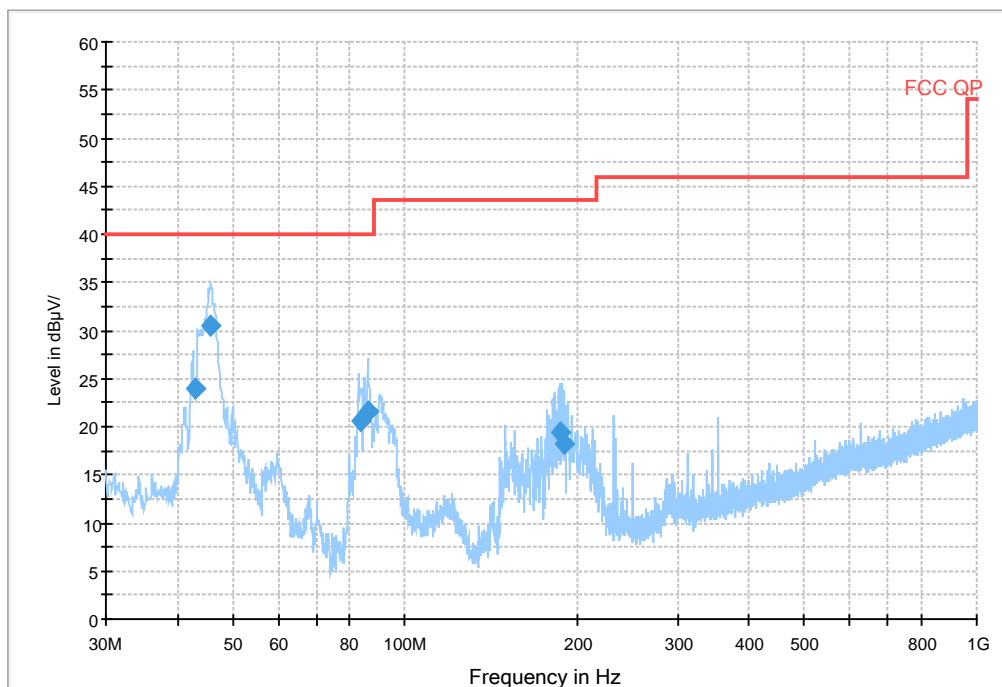
Test Setup:**Test Method:**

For 30-1000MHz, the EUT was placed on the top of a rotating 0.8-m table above the ground in a semi-anechoic chamber. The distance between the EUT and the receiving antenna was 3 meters. The table was rotated 360 degrees and the receiving 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 degrees to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna were set during the measurement.

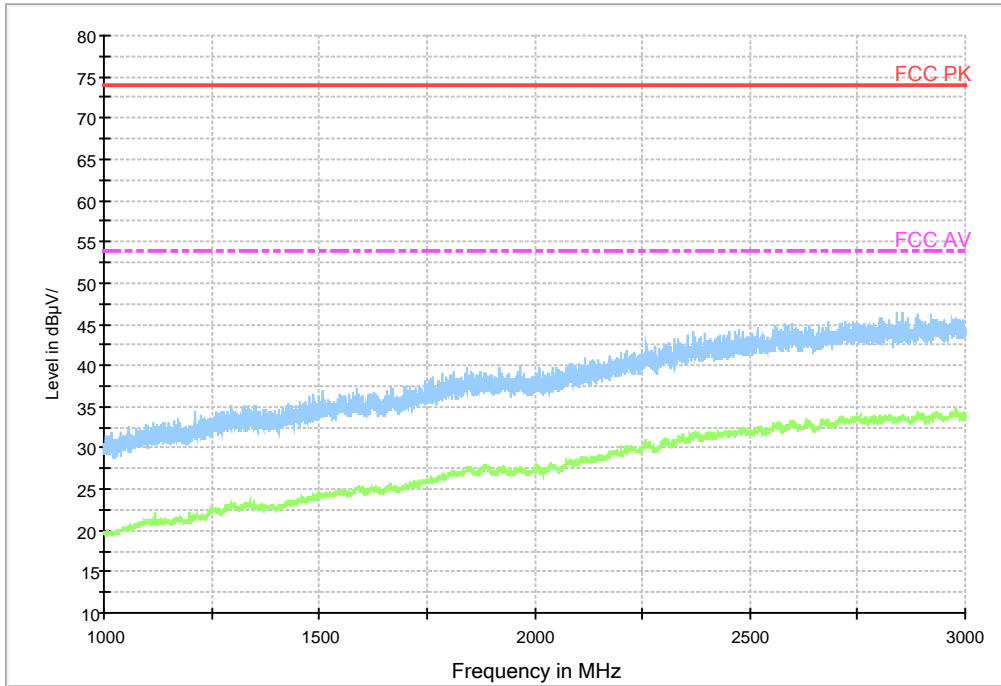
Test Data
Configuration1

RE 30MHz-1GHz H

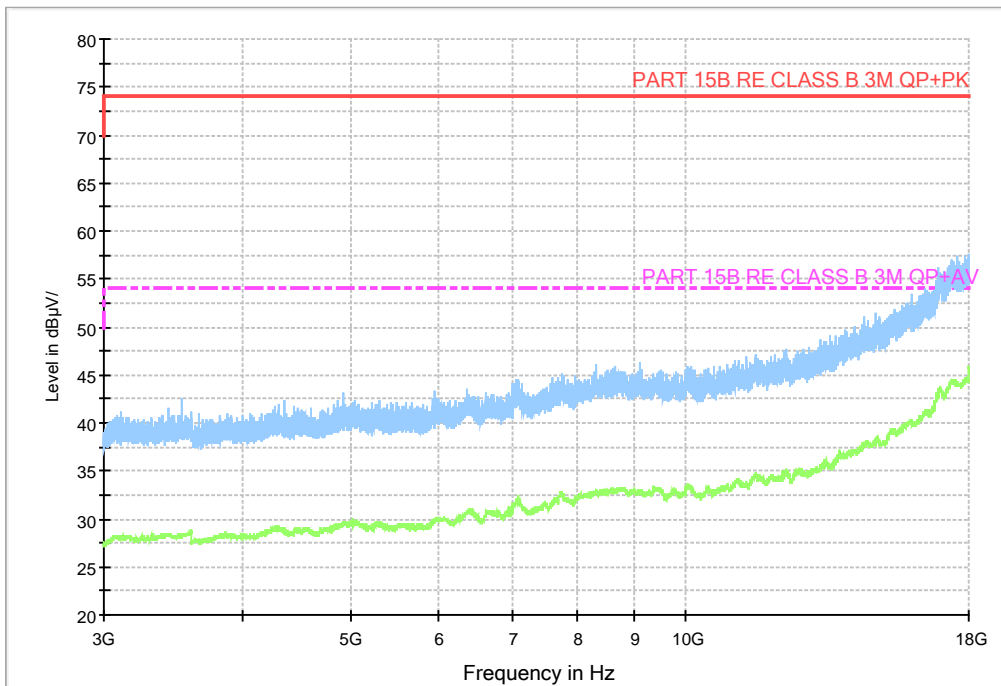


Frequency MHz	QP dBuV/m	Mea.Time ms	RBW KHz	Height cm	Polarity	Azimuth deg	Margin dB	Limit dBuV/m
43.113000	23.9	1000.0	120.0	116.0	V	97.0	16.1	40.0
45.811000	30.6	1000.0	120.0	116.0	V	-1.0	9.4	40.0
83.562000	20.7	1000.0	120.0	216.0	H	179.0	19.3	40.0
85.969000	21.6	1000.0	120.0	198.0	H	172.0	18.4	40.0
187.061000	19.3	1000.0	120.0	183.0	H	269.0	20.7	40.0
189.486000	18.3	1000.0	120.0	216.0	H	82.0	21.7	40.0

RE 1GHz-3GHz



RE 3GHz-18GHz



Test photo

See the Pic11 in document "Ilium X400- Test Setup Photos".

4.2 Conducted Emission

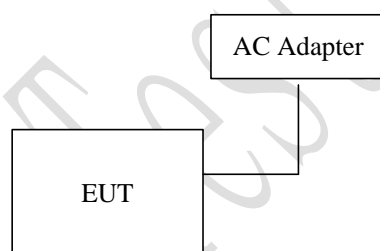
Specifications:	15.107(a)
Date of Tests	2015-02-15~2015-03-01
Test conditions:	Ambient Temperature: 15°C-35°C Relative Humidity: 30%-60% Air pressure: 86-106kPa
Operation Mode	Normal
Test Results:	Pass

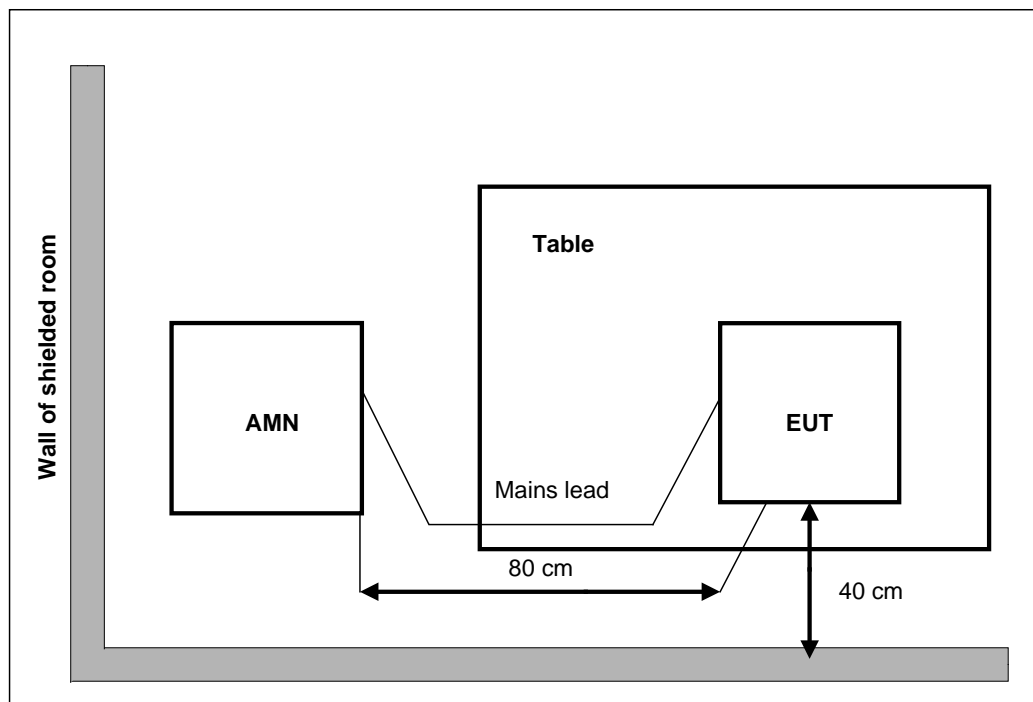
Limit Level Construction:

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:

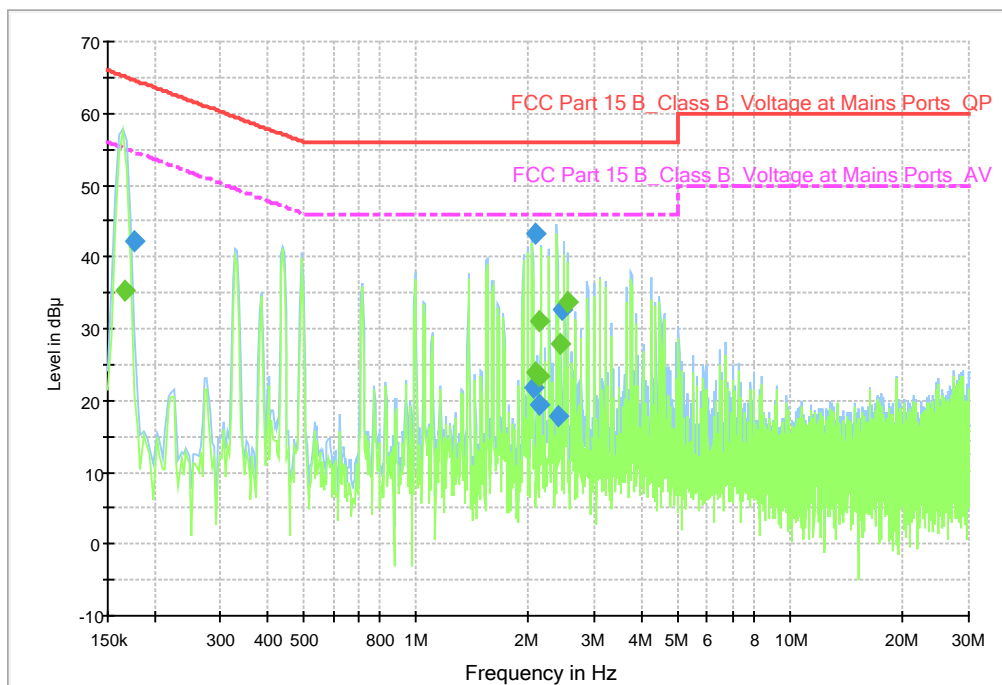


Test Setup:**Test Method:**

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
0.176000	42.2	1000.0	L1	22.5	64.7
2.071506	21.7	1000.0	L1	34.3	56.0
2.087475	43.2	1000.0	L1	12.8	56.0
2.129412	19.3	1000.0	N	36.7	56.0
2.411556	17.8	1000.0	N	38.2	56.0
2.445225	32.6	1000.0	L1	23.4	56.0

Frequency MHz	AV dBuV	Mea.Time ms	Line	Margin dB	Limit dBuV
0.166000	35.4	1000.0	L1	19.8	55.2
2.079506	23.9	1000.0	L1	22.1	46.0
2.135475	23.4	1000.0	L1	22.6	46.0
2.137412	30.9	1000.0	L1	15.1	46.0
2.419556	27.8	1000.0	L1	18.2	46.0
2.535225	33.8	1000.0	L1	12.2	46.0

Test photo

See the Pic12 in document "Ilium X400-Test Setup Photos".

Annex A External Photos

See the document "Ilium X400-External Photos".

Annex B Internal Photos

See the document "Ilium X400-Internal Photos".

ANNEX C Deviations from Prescribed Test Methods

No deviation from Prescribed Test Methods.

———— The End of this Report ————

CITL Test Report