

TEST REPORT

REPORT NUMBER: B15X50225-FCC-EMC

ON

Type of Equipment: Mobile Phone
Type of Designation: U100
Manufacturer: Shenzhen fortuneship technology.LTD

ACCORDING TO

**Subpart B, PART 15, RADIO FREQUENCY DEVICES , Mar 6,
2015**

China Telecommunication Technology Labs.

Month date, year

April, 14, 2015

Signature

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

He Guili
Director

FCC Part15B
Equipment: U100

REPORT NO.: B15X50225-FCC-EMC

FCC ID: ZC4U100

Report Date: 2015-06-16

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: 2015-06-02
Signature: 李国庆

Editor of this test report:

Name: Li Guoqing
Position: Engineer
Department: Department of EMC test
Date: 2015-06-16
Signature: 李国庆

Technical responsibility for area of testing:

Name: Zou Dongyi
Position: Manager
Department: Department of EMC test
Date: 2015-06-16
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: 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 fortuneship technology.,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 fortuneship technology.,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: Mobile Phone
 Model Number: U100
 Serial Number: --
 Production Status: Product
 Receipt date of test item: 2015-05-29

2.2 Outline of EUT

The EUT,U100 is a model supporting GSM/GPRS 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. For GPRS, the multi class is 12 (maximum 4 up timeslots).

2.4 Equipment Configuration

Equipment configuration list:

Item	Generic Description	Manufacturer	Type	Serial No.	Remarks
A	Mobile Phone	Shenzhen fortuneship technology.LTD	U100	--	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	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

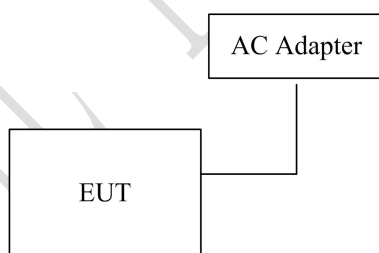
Specifications:	15.109(a)
Date of Tests	2015-06-02-2015-06-03
Test conditions:	Ambient Temperature:15°C-35°C Relative Humidity:30%-60% Air pressure: 86-106kPa
Operation Mode	Normal
Test Results:	Pass

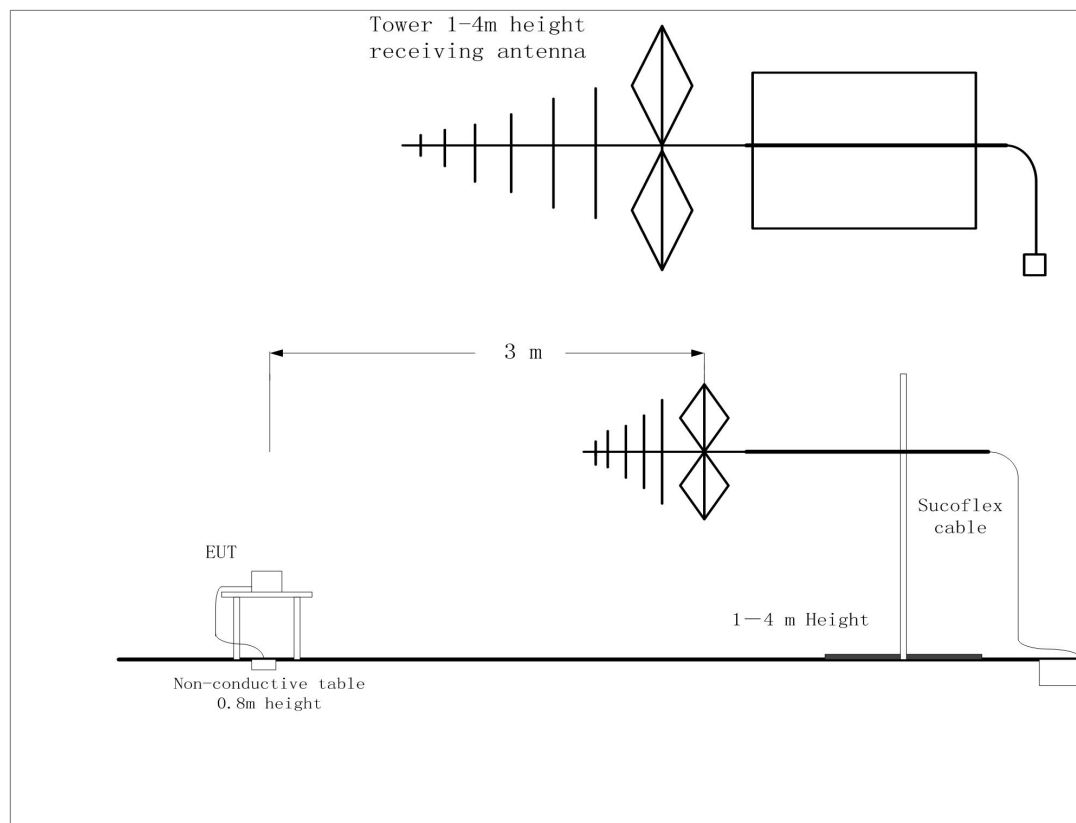
Limit Level Construction:

Frequency Range (MHz)	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.

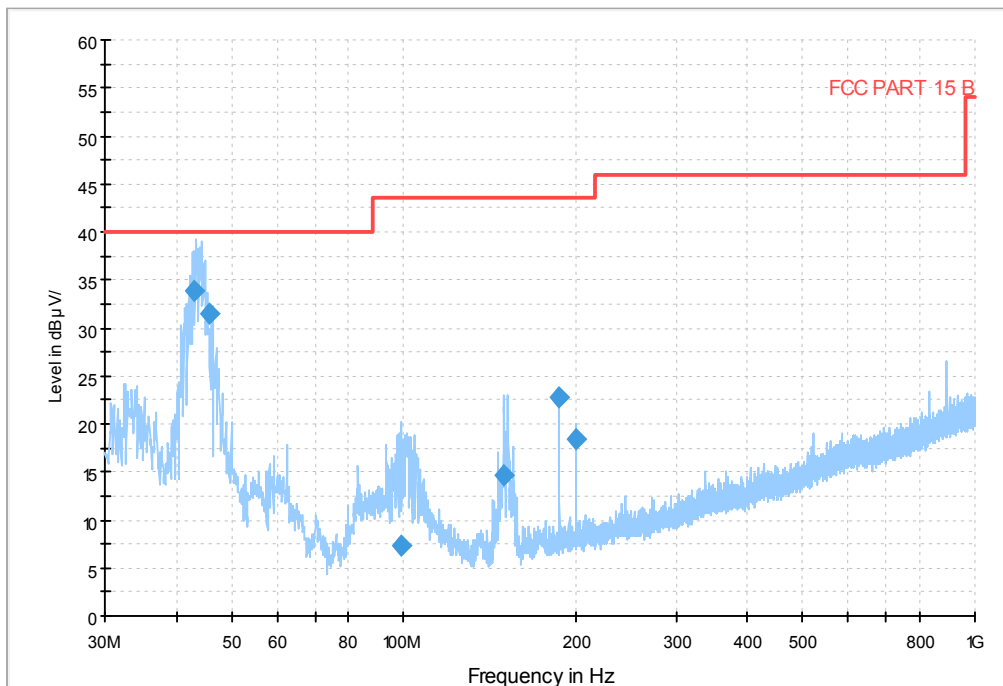
For 1000-12750MHz, the maximal emission value was acquired by adjusting the antenna height, and the table was rotated 360 degree to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna were set during the measurement.

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Test Data

RE 30MHz-1GHz H

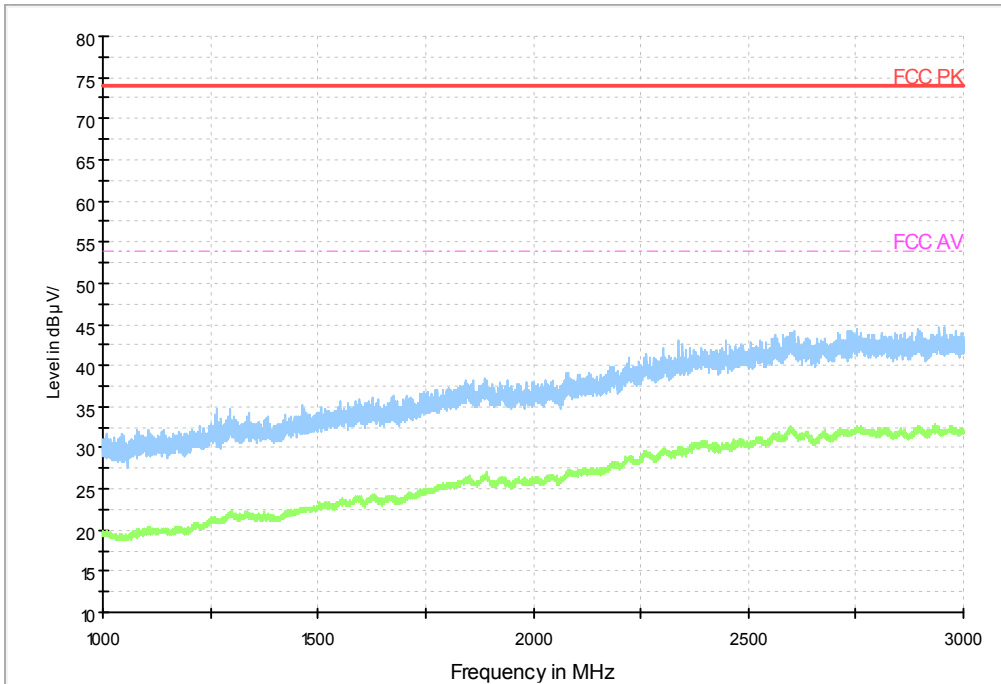


Frequency MHz	QP dBuV/m	Mea.Time ms	RBW KHz	Height cm	Polarity	Azimuth deg	Margin dB	Limit dBuV/m
43.086000	33.8	3000.0	120.0	99.0	V	90.0	6.2	40.0
45.699000	31.4	3000.0	120.0	99.0	V	277.0	8.6	40.0
99.358000	7.4	3000.0	120.0	283.0	H	179.0	32.6	40.0
150.007000	14.6	3000.0	120.0	216.0	H	97.0	25.4	40.0
187.528000	22.7	3000.0	120.0	183.0	H	262.0	17.3	40.0
200.041000	18.3	3000.0	120.0	99.0	H	90.0	21.7	40.0

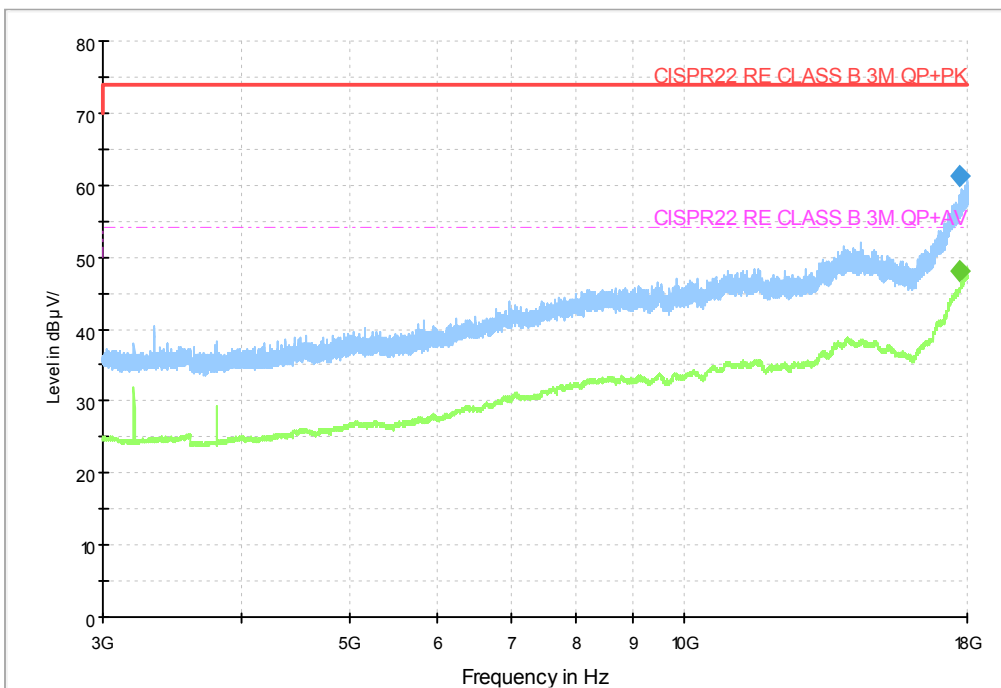
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RE 1GHz-3GHz



RE 3GHz-18GHz



Frequency MHz	MaxPeak dBuV/m	Mea.Time ms	Bandwi dth (kHz)	Height cm	Polarity	Azimuth deg	Margin dB	Limit dBuV/m
17705.85	61.3	1500.0	1000	100.0	V	195.0	12.7	74.0

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Frequency MHz	Average dBuV/m	Mea.Time ms	Bandwi dth (kHz)	Height cm	Polarity	Azimuth deg	Margin dB	Limit dBuV/m
17705.85	48.2	1500.0	1000.0	100.0	V	195.0	5.8	54.0

Test photo

See the Pic1~3 in document" U100_EMC Test Setup Photos".

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4.2 Conducted Emission

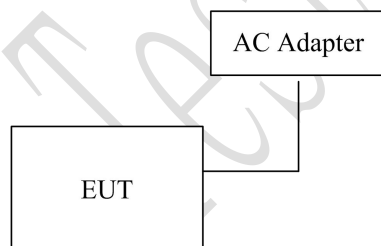
Specifications:	15.107(a)
Date of Tests	2015-06-02-2015-06-15
Test conditions:	Ambient Temperature:15°C-35°C Relative Humidity:30%-60% Air pressure: 86-106kPa
Operation Mode	Normal
Test Results:	Pass

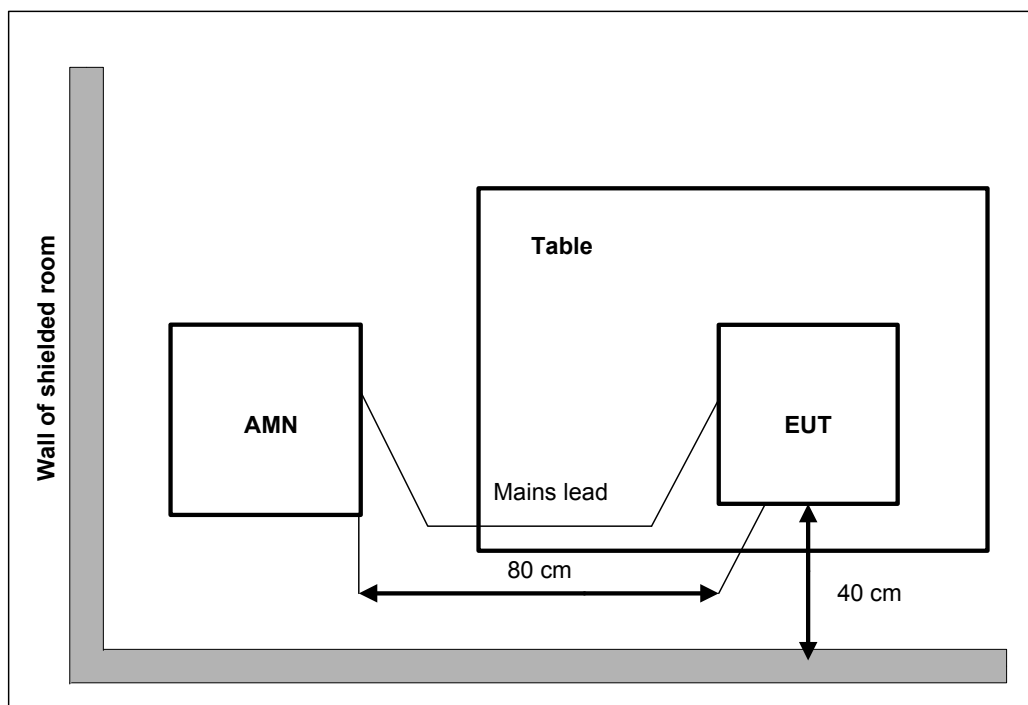
Limit Level Construction:

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:

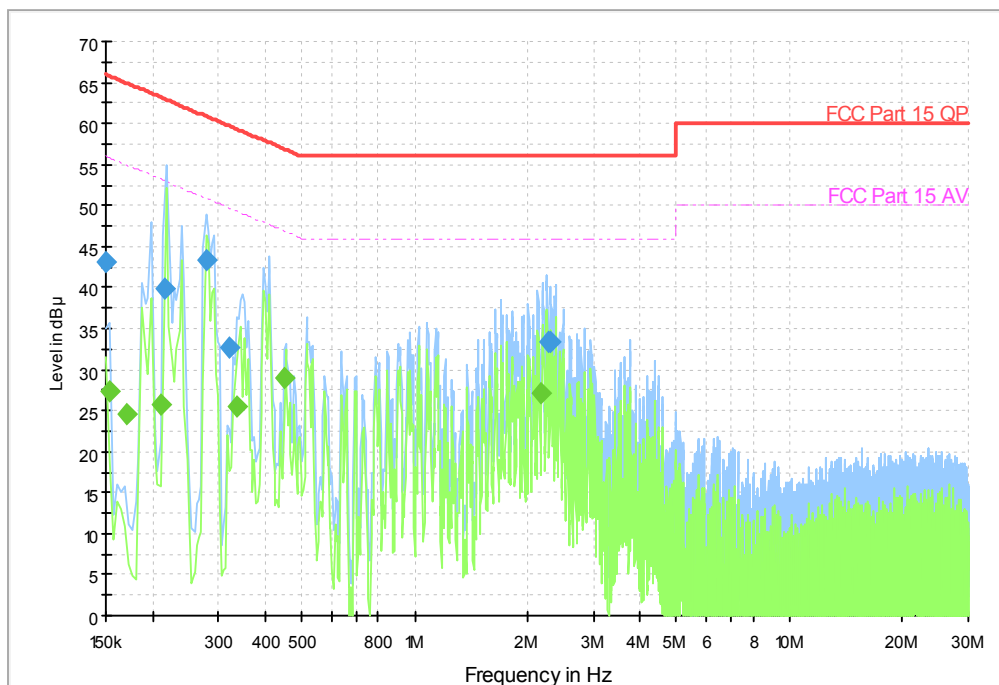


Test Setup:**Test Method:**

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

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



Frequency MHz	QP dBuV	Mea.Time ms	Line	Margin dB	Limit dBuV
0.150000	43.0	3000.0	L1	23.0	66.0
0.214862	39.9	3000.0	L1	23.1	63.0
0.276862	43.4	3000.0	L1	17.5	60.9
0.321188	32.7	3000.0	L1	26.9	59.7
2.288425	33.4	3000.0	L1	22.6	56.0
2.292188	33.3	3000.0	L1	22.7	56.0

Frequency MHz	CAverage dBuV	Mea.Time ms	Line	Margin dB	Limit dBuV
0.154000	27.3	3000.0	L1	28.5	55.8
0.170000	24.5	3000.0	L1	30.4	55.0
0.210862	25.8	3000.0	L1	27.4	53.2
0.337188	25.6	3000.0	L1	23.7	49.3
0.450262	29.0	3000.0	L1	17.8	46.9
2.171888	27.0	3000.0	L1	19.0	46.0

Test photo

See the Pic4 in document "U100 _EMC Test Setup Photos_Rev1".

Annex A External Photos

See the document "U100 -External Photos".

Annex B Internal Photos

See the document "U100 -Internal Photos".

ANNEX C Deviations from Prescribed Test Methods

No deviation from Prescribed Test Methods.

_____ **The End of this Report** _____