

# Expertise

Expert Opinion of the Notified Body on the Conformity Assessment  
according to Article 10.5 of R&TTE Directive 1999/5/EC

**PHOENIX TESTLAB**  
EU Identification Number 0700

Recognised by  Bundesnetzagentur

BNetzA-bS-02/51-55

Expertise No.	17-210099
Certificate Holder	Vonino Electronics LTD.
Address	Miramar Tower 10F- NO.1010, 132 Nathan Road, Tsim Sha Tsui, Kowloon, Hong Kong
Product Description	4G Dual-SIM Smartphone; with GSM, WCDMA, LTE, Bluetooth, WiFi, and GPS
Brand Name / Model Name	vonino / Volt X

### Opinion on the Essential Requirements

Article 3.1a): Health and Safety	<b>No remarks</b>
Article 3.1b): Electromagnetic Compatibility	<b>No remarks</b>
Article 3.2: Effective Use of the Radio Spectrum	<b>No remarks</b>

### CE-marking

Marking Example (Class 1) **CE 0700**

This certificate is issued in accordance with the Directive 1999/5/EC of the European Parliament and the Council on radio equipment and telecommunications terminal equipment and the mutual recognition of their conformity dated 9<sup>th</sup> March 1999 and is only valid in conjunction with the following annex (3 pages).

**R&TTE Directive will expired on 12 June 2017.**

Blomberg, 08 February 2017

Place, Date of Issue



Seal

Signed by Wayne Hsu  
Notified Body



## Technical description

Frequency Range	GSM 900 / DSC 1800 MHz UTRA FDD Band I/VIII E-UTRA FDD Band 1/3/7/20 E-UTRA TDD Band 38 Bluetooth: 2402 - 2480 MHz WiFi (20 MHz): 2412 - 2472 MHz WiFi (40 MHz): 2422 - 2462 MHz GPS: 1575.42 MHz (Rx)
Transmitted Power	Max. 2W / Max. 1W UTRA FDD: 24 dBm E-UTRA FDD/TDD: 23 dBm Bluetooth: 4.18 dBm EIRP WiFi: 13.97 dBm EIRP
Operational temperature range Device	-10 ~ 40 degree Celsius
Operational temperature range Power adaptor	40 degree Celsius

## Technical Construction File (TCF):

Technical documentation according to Annex II sub clause 4:

- |   |   |
|---|---|
| <input checked="" type="checkbox"/> User Manual     | <input checked="" type="checkbox"/> Operational Description |
| <input checked="" type="checkbox"/> Block Diagram   | <input checked="" type="checkbox"/> Circuit Diagram         |
| <input checked="" type="checkbox"/> Parts Placement | <input checked="" type="checkbox"/> PCB-Layout              |
| <input checked="" type="checkbox"/> Parts List      |   |

Hardware Version: F1-4G-V60-CF9-KS670  
Software Version: Vonino\_v1.1.1\_20161130



## Applied Standards and Test Reports

Specification	Laboratory	Test Report Number
EN 60950-1:2006+A11:2009+A1:2010+A12:2011+A2:2013	Shenzhen SEM.Test Technology Co., Ltd.	STR16128114S
EN 60950-1:2006+A11:2009+A1:2010+A12:2011+A2:2013	SHENZHEN POCE TECHNOLOGY CO., LTD.	POCE16091402VRS
EN 50332-2: 2013	Shenzhen SEM.Test Technology Co., Ltd.	STR16128114S-2
EN 62471:2008	SGS-CSTC Standards Technical Services Co., Ltd.	GZES150400360631
EN 62479:2010 EN 50360:2001/A1:2012 EN 50566:2013/AC:2014 EN 62209-1:2006 EN 62209-2:2010	Shenzhen SEM.Test Technology Co., Ltd.	STR16128114H
EN 301 489-1 V1.9.2 EN 301 489-3 V1.6.1 EN 301 489-7 V1.3.1 EN 301 489-17 V2.2.1 EN 301 489-24 V1.5.1	Shenzhen SEM.Test Technology Co., Ltd.	STR16128114E-7
EN 55032:2012+AC:2013 EN 61000-3-2:2014 EN 61000-3-3:2013 EN 55024:2010	Shenzhen SEM.Test Technology Co., Ltd.	STR16128114E-8
EN 301 511 V12.1.1	Shenzhen SEM.Test Technology Co., Ltd.	STR16128114E-1
EN 301 908-1 V7.1.1 EN 301 908-2 V7.1.1	Shenzhen SEM.Test Technology Co., Ltd.	STR16128114E-2
EN 301 908-1 V7.1.1 EN 301 908-13 V7.1.1	Shenzhen SEM.Test Technology Co., Ltd.	STR16128114E-3
EN 300 328 V1.9.1	Shenzhen SEM.Test Technology Co., Ltd.	STR16128114E-4 STR16128114E-5
EN 300 440-1 V1.6.1 EN 300 440-2 V1.4.1	Shenzhen SEM.Test Technology Co., Ltd.	STR16128114E-6

## Further Documents

EU Declaration of Conformity, 2 pages, 2017-01-09.



## Opinion on the Essential Requirements:

The basis of this Expertise is the Technical Construction File (TCF). If the TCF includes test reports issued by laboratories accredited to the standard ISO/IEC 17025, the test results of these reports are considered as a basis for the conformity assessment of the Notified Body.

### Article 3.1a): Health and Safety:

- Health:
  - Conform, at separation distance of 5mm for Body SAR.
- Safety:
  - Conform.

### Article 3.1b): Electromagnetic Compatibility:

- Conform.

### Article 3.2: Effective Use of the Radio Spectrum:

- Conform.

### General Remarks:

- This conformity assessment is limited to the essential requirements of the R&TTE Directive. Only products fulfilling all essential requirements of all applicable new approach directives may be placed on the market and put into service. Products in compliance with all provisions of the applicable directives providing for the CE marking must bear this marking.
- The Technical Construction File should include the following technical documentation additionally:
  - PCB Layout of sub board

