

# EU-TYPE EXAMINATION (MODULE B) CERTIFICATE

## Radio Equipment Directive (RED) 2014/53/EU

**PHOENIX TESTLAB**  
Notified Body Number **0700**



This is to certify that:

PHOENIX TESTLAB did undertake the relevant type examination procedures for the radio equipment identified below which was found to be in compliance with the essential requirements of Radio Equipment Directive (RED) 2014/53/EU subject to any conditions in the annex attached hereto.

Certificate No.	20-211257
Manufacturer	Unitac Technology Limited
Address	3rd Floor, No. 1732, Gangzhong Road, Xiamen Pilot Free Trade zone, China
Product Description	LTE Data Module
Brand Name / Model Name	UNI450 / ML620

### The radio equipment meets the following essential requirements

Article 3.1 a): Health and Safety	<b>Conform</b>
Article 3.1 b): Electromagnetic Compatibility	<b>Conform</b>
Article 3.2: Effective and Efficient Use of Radio Spectrum	<b>Conform</b>
Additional Essential Requirements:	<b>Not applicable</b>

Date of issue **2020-11-17**      Expiry date: **2025-11-16**

This certificate remains valid unless cancelled or revoked, provided the conditions in the attached annex are complied with. The conditions for the validity of this certificate are listed in the Annex.

The attached Annex forms part of this certificate. This certificate consists of 3 pages.



Signed by Wayne Hsu  
Notified Body

## Annex

### Technical description

Frequency Range	E-UTRA FDD Band 3/7/20/31/72 E-UTRA TDD Band 40
Transmit Power	LTE Band 3: 23.2 dBm LTE Band 7: 21.99 dBm LTE Band 20: 23.89 dBm LTE Band 31: 25.32 dBm LTE Band 40: 23.52 dBm LTE Band 72: 25.14 dBm
Hardware Version	ML620MBV21
Software Version	ML620EU

### System Components

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### Optional Components

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External Antenna Dipole type, gain 5 dBi max.

### Approval documentation

Technical Documentation including UNI450\_ML620  
External / Internal Photos, User Manual, Label, Block Diagram,  
Circuit Diagram, Operational Description, PCB Layout, Parts  
Placement, Parts List

EU Declaration of Conformity 1 page, 4 November, 2020

Explanation of compliance  
Article 10(2) and Article 10(10) Description in the User Manual

Further Documents Risk Assessment, 2 pages, --

### Applied Standards and Test Reports


Specification	Laboratory	Test Report Number / Version
EN 62368-1:2014+A11:2017	Kehu-Morlab Test Laboratory	XM20090028A01
EN 62311:2008	Kehu-Morlab Test Laboratory	XM20090028W02
ETSI EN 301 489-1 V2.2.3 Draft ETSI EN 301 489-52 V1.1.0	Kehu-Morlab Test Laboratory	XM20090028E01
ETSI EN 301 908-1 V13.1.1 ETSI EN 301 908-13 V13.1.1	Kehu-Morlab Test Laboratory	XM20090028W01



### Limitations / Restrictions

- Operating Temperature range is -30 - +70 degree Celsius.
- Body Separation distance is 20cm by using the procedure of MPE calculation.

### Notes

1. This certificate will not be valid if the manufacturer makes any changes or modifications to the approved equipment, which have not been notified to, and agreed with PHOENIX TESTLAB.
2. Should the specified regulations or standards be amended during the validity of this certificate, the product(s) is/are to be re-approved prior to it/them being placed on the market.
3. The manufacturer shall take all measures necessary so that the manufacturing process and its monitoring ensure conformity of the manufactured radio equipment with the approved type described in the EU-type examination certificate and with the requirements of Directive 2014/53/EU that apply to it.
4.  The manufacturer shall affix the CE marking to each item of radio equipment that is in conformity with the type described in the EU-type examination certificate and satisfies the applicable requirements of the Directive.
5. The manufacturer shall draw up a written EU declaration of conformity for each radio equipment type and keep it at the disposal of the national authorities for 10 years after the radio equipment has been placed on the market. The EU declaration of conformity shall identify the radio equipment type for which it has been drawn up. A copy of the EU declaration of conformity shall be made available to the relevant authorities upon request.