

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. | 16-211500 |
| Certificate Holder | Gainer International (China) Limited |
| Address | Block A, 7th Floor, 2nd building of Heng Chang Rong Hi-Tech Park, Shangnan East Road No. 128, Shajing Town, Bao'an District, Shenzhen, China. |
| Product Description | LTE Signal Repeater |
| Brand Name / Model Name | -- / GCPR-L27, GCPR-L23, GCPR-L20, GCPR-L15, GCPR-L13, GCPR-L10 |

Opinion on the Essential Requirements

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|--|--------------------------|
| Article 3.1a): Health and Safety | Remarks see annex |
| Article 3.1b): Electromagnetic Compatibility | No remarks |
| Article 3.2: Effective Use of the Radio Spectrum | No remarks |

CE-marking

Marking Example (Class 2) **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 9th March 1999 and is only valid in conjunction with the following annex (2 pages).

Blomberg, 25 May 2016

Place, Date of Issue




Signed by Alan Lane
Notified Body

Technical description

| | |
|---|---|
| Frequency Range | LTE 800 Downlink: 791 MHz to 821 MHz Uplink: 832 MHz to 862 MHz |
| Transmitted Power | Downlink: Max. 27 dBm Uplink: Max. 20 dBm |
| Operational temperature range Device | -20 - 25 degree Celsius |
| Operational temperature range Power adaptor | -- |

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 : LTE20F-V03
Software Version : 20F-V03-software

Applied Standards and Test Reports

| Specification | Laboratory | Test Report Number |
|---|---|--------------------|
| EN 60950-1:2006+A11:2009 +A1:2010+A12:2011+A2:2013 | Shenzhen Zhongjian Nanfang Testing Co., Ltd. | CCISS160500701 |
| EN 50385:2002 | Shenzhen Zhongjian Nanfang Testing Co., Ltd. | CCISE160502602 |
| EN 301 489-1 V1.9.2 EN 301 489-23 V1.5.1 | Shenzhen Zhongjian Nanfang Testing Co., Ltd. | CCISE160502601 |
| EN 301 908-1 V6.2.1 EN 301 908-15 V5.2.1 | Shenzhen Zhongjian Nanfang Testing Co., Ltd. | CCISE160502603 |

Further Documents

EU Declaration of Conformity, 2 pages, 2016-05-13. Authorization Letter, 1 page, 2016-05-13.
Model Difference Declaration, 1 page, --. Construction Equality Declaration, 1 page, 2016-05-11.
This OEM application will refer to expertise number 14-114908.

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 20 cm by using the procedure of MPE calculation.
- Safety:
 - AC/DC Adapter: The adapter part has not been assessed. This should be tested according to EN 60950-1.

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.
- Before putting a product on the market which uses non harmonised frequencies (Class 2) the national authorities of the member states have to be notified.
- The user shall be informed by the person placing the product onto the market if an individual confirmation by network operators may be required for using in EC member states.