

EU-TYPE EXAMINATION (MODULE B) CERTIFICATE

Radio Equipment Directive (RED) 2014/53/EU

PHOENIX TESTLAB
Notified Body Number **0700**



BNetzA-bs-02/51-55

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.	19-211987
Manufacturer	Foshan Amplitec Tech Development Co.,Ltd
Address	4th floor,4th building, No.60 of the Langbao West Road, Chancheng District, Foshan City Guangdong, China.
Product Description	Repeater; with GSM, WCDMA and LTE
Brand Name / Model Name	Amplitec / C17L-B8B20, C15L-B8B20, C20L-B8, C20L-B20, C17L-B8, C17L-B20, C15L-B8, C15L-B20

The radio equipment meets the following essential requirements

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

Date of issue	29-11-2019	Expiry date:	28-11-2024
---------------	-------------------	--------------	-------------------

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	GSM 900, Uplink:880-915 MHz / 925-960 MHz WCDMA band 8, Uplink:880-915 MHz / 925-960 MHz LTE band 8, Uplink:880-915 MHz / 925-960 MHz LTE band 20, Uplink: 832-862 MHz / 791-821 MHz
Transmit Power	Uplink 15 dBm (Max.), Downlink 17 dBm (Max.)
Hardware Version	C17L V1.0
Software Version	V1.0

System Components

--

Optional Components

Outdoor Antenna	Omni-directional type, antenna gain is 2.5 dBi max.
Indoor Antenna	Panel type, antenna gain is 2 dBi max.
AC adapter	GM16-050250-2A Input:100-240Vac,50/60Hz,1A; Output: 5V/2.5A (Brand name: GVE)

Approval documentation

	Technical Documentation including Amplitec_C17L-B8B20 External / Internal Photos, User Manual, Label, Block Diagram, Circuit Diagram, Operational Description, PCB Layout, Parts Placement, Parts List.
EU Declaration of Conformity	3 pages, 25 November, 2019
Explanation of compliance Article 10(2) and Article 10(10)	Description in the User Manual
Further Documents	Risk Assessment, 5 pages, 25 November, 2019




Applied Standards and Test Reports

Specification	Laboratory	Test Report Number / Version
EN 62368-1:2014+A11:2017	Shenzhen LCS Compliance Testing Laboratory Ltd.	LCS190923149AS
EN 50385:2002	Shenzhen LCS Compliance Testing Laboratory Ltd.	LCS190923148AEE
ETSI EN 301 489-1 V2.1.1 ETSI EN 301 489-50 V2.1.1	Shenzhen LCS Compliance Testing Laboratory Ltd.	LCS190923148AEA
ETSI EN 303 609 V12.5.1	Shenzhen LCS Compliance Testing Laboratory Ltd.	LCS190923148AEB
ETSI EN 301 908-1 V11.1.1 ETSI EN 301 908-11 V11.1.2	Shenzhen LCS Compliance Testing Laboratory Ltd.	LCS190923148AEC
ETSI EN 301 908-1 V11.1.1 ETSI EN 301 908-15 V11.1.2	Shenzhen LCS Compliance Testing Laboratory Ltd.	LCS190923148AED

Limitations / Restrictions

- Operating Temperature range is -25 - +45 degree Celsius.
- The health assessment was calculated with a separation distance of 50cm, with an antenna gain of external antenna of 2.5 dBi.
- Restrictions for use shall be stated by the manufacturer, completed in the instructions accompanying the radio equipment. This could be related to frequency spectrum use and license requirements.

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.