

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.	18-210714
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
Brand Name / Model Name	Amplitec / C10H-EGSM, C10H-GSM, C15H-EGSM, C15H-GSM, C20H-EGSM, C20H-GSM, W10H-EGSM, W10H-GSM, W15H-EGSM, W15H-GSM

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	2018-03-29	Expiry date:	2023-03-28
---------------	-------------------	--------------	-------------------

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 Alan Lane
Notified Body

Annex

Technical description

Frequency Range	GSM 900 MHz: Uplink: 880 - 915 MHz Downlink: 925 - 960 MHz
Transmit Power	Uplink: 12dBm (Max.) Downlink: 12dBm (Max.)
Hardware Version	V1.0
Software Version	V1.0

System Components

--

Optional Components

Adapter	GM50-050400-F Input:100-240V, 50/60Hz, 1.5A; Output: 5V/4A (Foshan Shunde Guanyuda Power Supply Co., Ltd)
Outdoor Antenna	OG821-825-7, Monopole Antenna, 7.0dBi (Max.)
Indoor Antenna	GX821-W205, Monopole Antenna, 2.5dBi (Max.)
RF Cable	LMR200, 50ft for Outdoor Cable, Shielded cable, without ferrite core
Power Cable	05W-F0.75*3C, Unshielded cable, without ferrite core

Approval documentation

External / Internal Photos	Provided, 7 pages
User Manual	User Manual of C10H-EGSM Single Band Selective Repeater, 12 pages
Block Diagram	Provided, 1 page
Circuit Diagram	Provided, 5 pages
Operational Description	C10H-EGSM system circuit, 2 pages
PCB Layout	Provided, 4 pages
Parts Placement	Provided, 2 pages
Parts List	Components List, 4 pages
EU Declaration of Conformity	3 pages, March 26, 2018
Explanation of compliance Article 10(2) and Article 10(10)	Description in the User Manual
Further Documents	Risk Assessment, 5 pages, March 26, 2018 Sample family of DoC Letter, 1 page, March 26, 2018




Applied Standards and Test Reports

Specification	Laboratory	Test Report Number / Version
EN 60950-1:2006+A11:2009+ A1:2010+A12:2011+A2:2013	Shenzhen LCS Compliance Testing Laboratory Ltd.	LCS180227002AS
EN 50385: 2002	Shenzhen LCS Compliance Testing Laboratory Ltd.	LCS180227001AEC
ETSI EN 301 489-1 V2.1.1 ETSI EN 301 489-50 V2.1.1	Shenzhen LCS Compliance Testing Laboratory Ltd.	LCS180227001AEA
ETSI EN 303 609 V12.5.1	Shenzhen LCS Compliance Testing Laboratory Ltd.	LCS180227001AEB

Limitations / Restrictions

- The user shall be informed by the person placing the product onto the market if an individual licence may be required for using in EC member states.
- Operating Temperature range is -10 - +50 degree Celsius.
- The health assessment was calculated with a separation distance of 20 cm, with an antenna gain of 2.5dBi for indoor and 7.0dBi for outdoor .

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.

