

# 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.	23-210476 - 23-220476
Manufacturer	Shenzhen Huaptec Co., Ltd
Address	3rd FL, E BLDG, Sogood Science Park, SanWei community, Hangcheng Street, Bao'an District, Shenzhen, China
Product Description	Mobile signal repeater; with GSM, WCDMA, LTE, 5G NR sub 6 GHz, Bluetooth and WiFi
Brand Name / Model Name	HiBoost / Hi23-ENR700, Hi20-ENR700, Hi17-ENR700, Hi13-ENR700, Hi10-ENR700

### 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	<b>2023-06-08</b>	Expiry date:	<b>2028-06-07</b>
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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 Andy Yang  
Notified Body

## Annex

### Technical description

Frequency Range	GSM 900 Uplink: 880 - 915 MHz; Downlink: 925 - 960 MHz UTRA FDD Band VIII Uplink: 880 - 915 MHz; Downlink: 925 - 960 MHz E-UTRA FDD Band 8 Uplink: 880 - 915 MHz; Downlink: 925 - 960 MHz 5G NR n28 Uplink: 703 - 733 MHz; Downlink: 758 - 788 MHz Bluetooth: 2402 - 2480 MHz WiFi (20MHz): 2412 - 2472 MHz WiFi (40MHz): 2422 - 2462 MHz
Transmit Power	Uplink: 20 dBm (Max.) Downlink: 23 dBm (Max.) Bluetooth: 1.05 dBm EIRP WiFi: 14.45 dBm EIRP
Hardware Version	F23H1-2S
Software Version	F23H1-2S

### System Components

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### Optional Components

Adapter	J482-1203000DI Input: 100-240 Vac, 50/60 Hz, 1.5A; Output: DC 12V/3A (Shenzhen Jiuzhou Power Technology Co., Ltd.)
Power Cord	1.5m, unshield
External BT/WiFi Antenna	2.0 dBi
Outdoor Antenna	Wide band directional antenna, 9.0 dBi (Max.)
Indoor Antenna	Wide band panel antenna, 7.0 dBi (Max.)
Coaxial Cable 1	15.2 Meter, Shielded Cable, Without Ferrite Core
Coaxial Cable 2	15.2 Meter, Shielded Cable, Without Ferrite Core

### Approval documentation

	Technical Documentation including HiBoost_Hi23-ENR700 External / Internal Photos, User Manual, Label, Block Diagram, Circuit Diagram, Operational Description, PCB Layout, Parts Placement, Parts List
EU Declaration of Conformity	3 pages, June 2, 2023
Explanation of compliance Article 10(2) and Article 10(10)	Description in the User Manual
Further Documents	Risk assessment, 5 pages, June 2, 2023 Sample family of DoC Letter, 1 page, June 2, 2023



### Applied Standards and Test Reports

Specification	Laboratory	Test Report Number / Version
EN IEC 62368-1: 2020+ A11: 2020	Shenzhen LCS Compliance Testing Laboratory Ltd.	LCSA042623183S
EN 50385: 2017	Shenzhen LCS Compliance Testing Laboratory Ltd.	LCSA042623184EI
ETSI EN 301 489-1 V2.2.3 Draft ETSI EN 301 489-17 V3.2.5	Shenzhen LCS Compliance Testing Laboratory Ltd.	LCSA042623184EA
ETSI EN 301 489-50 V2.3.1 ETSI TS 138 114 V17.2.0 EN 55032:2015/A11:2020 EN 55035:2017/A11:2020		
ETSI EN 303 609 V12.5.1	Shenzhen LCS Compliance Testing Laboratory Ltd.	LCSA042623184EE
ETSI EN 301 908-1 V15.2.1 ETSI EN 301 908-11 V11.1.2	Shenzhen LCS Compliance Testing Laboratory Ltd.	LCSA042623184EF
ETSI EN 301 908-1 V15.2.1 ETSI EN 301 908-15 V15.1.1	Shenzhen LCS Compliance Testing Laboratory Ltd.	LCSA042623184EG
ETSI EN 301 908-1 V15.2.1 ETSI TS 138 106 V17.3.0	Shenzhen LCS Compliance Testing Laboratory Ltd.	LCSA042623184EH
ETSI EN 300 328 V2.2.2	Shenzhen LCS Compliance Testing Laboratory Ltd.	LCSA042623184EB LCSA042623184EC LCSA042623184ED

### 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 - +55 degree Celsius.
- Body Separation distance is 50cm 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.

