EU-TYPE EXAMINATION (MODULE B) CERTIFICATE

Radio Equipment Directive (RED) 2014/53/EU

PHOENIX TESTLAB

Notified Body Number 0700

Recognised by Bundesnetzagentur

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.	21-211289
Manufacturer	Shenzhen Huaptec Co., Ltd
Address	3rd FL, E BLDG, Sogood Science Park, SanWei community, Hangcheng Street, Bao'an District, Shenzhen, China
Product Description	cell phone signal booster/Repeater; with GSM, WCDMA and LTE
Brand Name / Model Name	HiBoost / Hi23-5S, Hi10-5S, Hi13-5S, Hi17-5S, Hi20-5S

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	**2021-10-27**	Expiry date:	**2026-10-26**

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 4 pages.

Seal

Signed by Wayne Hsu
Notified Body

10/27/2021

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Annex

Technical description

Frequency Range	GSM 900/1800 Uplink: 880 - 915 MHz /1710 - 1785 MHz Downlink: 925 - 960 MHz /1805 - 1880 MHz UTRA FDD Band I/VIII Uplink: 1920 - 1980 MHz /880 - 915 MHz Downlink: 2110 - 2170 MHz /925 - 960 MHz E-UTRA FDD Band 1/3/7/8/20 Uplink: 1920 - 1980 MHz /1710 - 1785 MHz /2500 - 2570 MHz / 880 - 915 MHz /832 - 862 MHz Downlink: 2110 - 2170 MHz /1805 - 1880MHz /2620 - 2690 MHz / 925 - 960 MHz /791 - 821 MHz
Transmit Power	Uplink: 17 dBm (Max.) Downlink: 23 dBm (Max.)
Hardware Version	F20H0-5S
Software Version	F20H0-5S

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System Components

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Optional Components

Adapter	GM95-120700-F Input:100-240 Vac, 50/60 Hz, 2.5 A; Output: 12V/7A (Foshan Shunde Guanyuda Power Supply Co., Ltd.)
Power Cable	1.2 meter, unshielded cable, without ferrite core
Outdoor Antenna	Wide band directional antenna: 8dBi (Max.) for GSM900 / WCDMA Band VIII / LTE Band 8 9dBi (Max.) for GSM1800 / LTE Band 3 9dBi (Max.) for WCDMA Band I / LTE Band 1 9dBi (Max.) for LTE Band 7 8dBi (Max.) for LTE Band 20
Indoor Antenna	Wide band panel antenna: 6dBi (Max.) for GSM900 / WCDMA Band VIII / LTE Band 8 7dBi (Max.) for GSM1800 / LTE Band 3 7dBi (Max.) for WCDMA Band I / LTE Band 1 7dBi (Max.) for LTE Band 7 6dBi (Max.) for LTE Band 20
Outdoor Coaxial Cable	15.2m, shielded cable, without Ferrite Core
Indoor Coaxial Cable	9.1m, shielded cable, without Ferrite Core

Approval documentation	Technical Documentation including HiBoost_Hi23-5S External / Internal Photos, User Manual, Label, Block Diagram, Circuit Diagram, Operational Description, PCB Layout, Parts Placement, Parts List
EU Declaration of Conformity	3 pages, October 26, 2021
Explanation of compliance Article 10(2) and Article 10(10)	Description in the User Manual
Further Documents	Risk assessment, 5 pages, October 26, 2021

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Applied Standards and Test Reports

Specification	**Laboratory**	**Test Report Number / Version**
EN 62368-1:2014+A11:2017	Shenzhen LCS Compliance Testing Laboratory Ltd.	LCS210901025AS
EN 50385: 2017	Shenzhen LCS Compliance Testing Laboratory Ltd.	LCS210901063AEE
ETSI EN 301 489-1 V2.2.3 ETSI EN 301 489-50 V2.3.1 EN 55032:2015/A11:2020 EN 55035:2017+A11:2020	Shenzhen LCS Compliance Testing Laboratory Ltd.	LCS210901063AEA
ETSI EN 303 609 V12.5.1	Shenzhen LCS Compliance Testing Laboratory Ltd.	LCS210901063AEB
ETSI EN 301 908-1 V15.1.1 ETSI EN 301 908-11 V11.1.2	Shenzhen LCS Compliance Testing Laboratory Ltd.	LCS210901063AEC
ETSI EN 301 908-1 V15.1.1 ETSI EN 301 908-15 V15.1.1	Shenzhen LCS Compliance Testing Laboratory Ltd.	LCS210901063AED

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. CE 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.

BENANNTE STELLE PHOENIX TESTLAB NOTIFIED BODY

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