

# 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.	16-210024a
Certificate Holder	Shenzhen Huaptec Co.,Ltd.
Address	5th FL, E BLDG, Sogood Science Park, Sanwei Community, Hangkong Road, Xixiang, Bao'an, Shenzhen, Guangdong, China 518102
Product Description	Mobile Signal Booster; with WCDMA
Brand Name / Model Name	Huaptec / F23H-WCDMA-70-75, F20H- WCDMA-65-70, F17H-WCDMA-65-65, F13H-WCDMA-60-65, F10H-WCDMA-60-65

## Opinion on the Essential Requirements

Article 3.1a): Health and Safety	<b>No remarks</b>
Article 3.1b): Electromagnetic Compatibility	<b>No remarks</b>
Article 3.2: Effective Use of the Radio Spectrum	<b>No remarks</b>

## 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 9<sup>th</sup> March 1999 and is only valid in conjunction with the following annex (2 pages).  
This version of the certificate replaces the expertise 16-210024, which is hereby withdrawn.

Blomberg, 14 January 2016

Place, Date of Issue



Signed by Alan Lane  
Notified Body

## Technical description

Frequency Range	UTRA FDD Band I Downlink: 2110 MHz to 2170 MHz Uplink: 1920 MHz to 1980 MHz
Transmitted Power	Downlink: Max. 23 dBm Uplink: Max. 17 dBm
Operational temperature range Device	-10 ~ 40 degree Celsius
Operational temperature range Power adaptor	40 degree Celsius

## 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: F25H0-1S-V03  
Software Version: V3.8

### Applied Standards and Test Reports

Specification	Laboratory	Test Report Number
EN 60950-1:2006+A11:2009+A1:2010+A12:2011+A2:2013	Shenzhen Bontek Compliance Testing Laboratory Co.,Ltd.	BCT14LR-1787S
EN 60950-1:2006+A11:2009+A1:2010+A12:2011+A2:2013	Shenzhen Zhongjian Nanfang Testing Co., Ltd.	CCISSA1511033801
EN 301 489-1 V1.9.2 EN 301 489-23 V1.5.1	Shenzhen Zhongjian Nanfang Testing Co., Ltd.	CCIS15110091103
EN 50385:2002	Shenzhen Zhongjian Nanfang Testing Co., Ltd.	CCIS15110091102
EN 301 908-1 V6.2.1 EN 301 908-11 V5.2.1	Shenzhen Zhongjian Nanfang Testing Co., Ltd.	CCIS15110091101

### Further Documents

EU Declaration of Conformity, 2 pages, 2015-11-27.

Model Different Letter, 1 page, 2015-11-19.



## 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:

- Conform.

### 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.

