

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

Bundesnetzagentur
Recognised by

BNetzA-bS-02/51-55

Expertise No. 16-210198

Certificate Holder Shenzhen Huaptec Co.,Ltd.

Address 5th FL, E BLDG, Sogood Science Park,

Hangkong Road, Xixiang, Bao'an, Shenzhen,

China

Product Description Wireless Signal Booster/ Mobile Signal

Booster/RF Repeater; with GSM and WCDMA

Brand Name / Model Name Huaptec / F23H-EW-70-75, F20H-EW-65-70,

F17H-EW-65-65, F13H-EW-60-65, F10H-EW-

60-65

Opinion on the Essential Requirements

Article 3.1a): Health and Safety No remarks

Article 3.1b): Electromagnetic Compatibility No remarks

Article 3.2: Effective Use of the Radio No remarks

Spectrum

CE-marking

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 9th March 1999 and is only valid in conjunction with the following annex (2 pages).

Blomberg, 22 January 2016

Place, Date of Issue

SHANNTE STELLE

Signed by Alan Lane Notified Body

> PHOENIX TESTLAB GmbH Königswinkel 10 D-32825 Blomberg, Germany www.phoenix-testlab.de

Phone +49(0)5235-9500-24 Fax +49(0)5235-9500-28 notifiedbody@phoenix-testlab.de Annex of the Expertise No. 16-210198

Date 22 January 2016

Technical description

Frequency Range GSM 900

Downlink: 925 MHz to 960 MHz Uplink: 880 MHz to 915 MHz

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:

✓ User Manual ✓ Operational Description

✓ Block Diagram
✓ Circuit Diagram

✓ Parts Placement
✓ PCB-Layout

▼ Parts List

Hardware Version: F25H0-2S-V04

Software Version: V1.0

Applied Standards and Test Reports

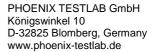
| Specification | Laboratory | Test Report Number |
|--|---|----------------------|
| EN 60950-1:2006+A11:2009+ A1:2010+A12:2011+A2:2013 | EMTEK (Shenzhen) CO., LTD. | ES151221044S Ver.1.0 |
| EN 60950-1:2006+A11:2009+ A1:2010+A12:2011+A2:2013 | Shenzhen LCS Compliance Testing Laboratory Ltd. | LCS1512141116S |
| EN 50385:2002 | Shenzhen LCS Compliance Testing Laboratory Ltd. | LCS1512141110E |
| EN 301 489-1 V1.9.2 EN 301 489-8 V1.2.1 EN 301 489-23 V1.4.1 | Shenzhen LCS Compliance Testing Laboratory Ltd. | LCS1512141109E |
| EN 300 609-4 V10.2.1 | Shenzhen LCS Compliance Testing Laboratory Ltd. | LCS1512141107E |
| EN 301 908-1 V6.2.1 EN 301 908-11 V5.2.1 | Shenzhen LCS Compliance Testing Laboratory Ltd. | LCS1512141108E |

Further Documents

EU Declaration of Conformity, 2 pages, 2016-01-06.

Product Similarity Declaration, 1 page, 2015-12-10.





Page 1 of 2

Annex of the Expertise No. 16-210198 Date 22 January 2016

Page 2 of 2

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.
- The Technical Construction File should include the following technical documentation additionally:
 - Sub board of parts placement
 - Sub board of PCB layers

