

# 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.         | 18-212018  |
| Manufacturer            | Fujian Baofeng Electronics Co., Ltd.                             |
| Address                 | Changfu Industrial Zone, Xiamei, Nan'an, Quanzhou, Fujian, China |
| Product Description     | TWO-WAY RADIOS; with PMR   |
| Brand Name / Model Name | BAOFENG / DM-5R; Pofung / RD-5R                                  |

### 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>2018-08-29</b> | Expiry date: | <b>2023-08-28</b> |
|---------------|-------------------|--------------|-------------------|

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 Wayne Hsu  
Notified Body

## Annex

### Technical description

|                       |  |
|-----------------------|--|
| Frequency Range       | VHF: 136MHz -174MHz<br>UHF: 400MHz - 480MHz        |
| Operating Frequencies | 136.0125 - 173.9875 MHz<br>400.0125 - 479.9875 MHz |
| Channel Spacing       | 4FSK mode: 12.5 kHz                                |
| Transmit Power        | 5W/1W  |
| Hardware Version      | 5R-DMR-V22 20170911                                |
| Software Version      | 5R-DMR-V22 20170911                                |

### System Components

|         |   |
|---------|---|
| Battery | BL-5H, 7.4V, 2800mAh, Dongguan Shirui Battery Co., Ltd                    |
| Antenna | External removable antenna, 2dBi,<br>Fujian Baofeng Electronics Co., Ltd. |

### Optional Components

|                 |   |
|-----------------|---|
| Adapter         | 480-10050-E.S,<br>Input: AC 100V-240V, 50Hz 250mA<br>Output: DC 10V, 500mA,             |
| BATTERY CHARGER | Fujian Baofeng Electronics Co., Ltd.,<br>Input: DC 10V 500mA<br>Output: DC 8.4V, 400mA, |

### Approval documentation

|   |   |
|---|---|
| External / Internal Photos                                    | provided, 8 pages   |
| User Manual   | provided, 53 pages  |
| Block Diagram   | provided, 1 page  |
| Circuit Diagram   | provided, 2 pages   |
| Operational Description                                       | Circuit Description, 2 pages  |
| PCB Layout  | provided, 4 pages   |
| Parts Placement   | provided, 2 pages   |
| Parts List  | provided, 4 pages   |
| EU Declaration of Conformity                                  | 2 pages, August 16, 2018  |
| Explanation of compliance<br>Article 10(2) and Article 10(10) | Declaration of Operation in Member States and application for<br>certification, 1 page, August 22, 2018 |
| Further Documents   | Risk Assessment, 7 pages, August 16, 2018<br>Model difference letter, 1 page, August 15, 2018           |



### Applied Standards and Test Reports

| Specification  | Laboratory                                       | Test Report Number / Version |
|--|--|------------------------------|
| EN 60950-1:2006+A11:2009+<br>A1:2010+A12:2011+A2:2013            | Shenzhen Most Technology<br>Service Co., Limited | MTS/JNY/E18070490            |
| EN 50566:2017<br>EN 62209-2:2010                                 | Shenzhen Most Technology<br>Service Co., Limited | MTE/AVJ/E18071428            |
| Draft ETSI EN 301 489-1 V2.2.0<br>Draft ETSI EN 301 489-5 V2.2.0 | Shenzhen Most Technology<br>Service Co., Limited | MTE/AVJ/E18071300            |
| ETSI EN 300 113 V2.2.1   | Shenzhen Most Technology<br>Service Co., Limited | MTE/AVJ/E18071299            |


### Limitations / Restrictions

Operating Temperature range is -20 ~ 40 degree Celsius

Body SAR with belt clip Separation distance is 0mm and 25mm for Front-of-Face.

Restrictions for use shall be stated by the manufacturer, completed in the instructions accompanying the radio equipment. This could relate to frequency spectrum use and licence requirements.

### 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.