

# 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.	17-213402
Manufacturer	TYT Electronics Co.,Ltd
Address	Block 39-1, Optoelectronics-information industry base, Nan'an, Quanzhou, Fujian, China
Product Description	Digital Mobile Radio; with PMR
Brand Name / Model Name	TYT / MD-9600, MD-9900, MD-9000, MD-9200, MD-9800

### 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>2017-10-24</b>	Expiry date:	<b>2022-10-23</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 Wayne Hsu  
Notified Body

## Annex

### Technical description

Frequency Range	PMR(VHF): 144MHz -146MHz PMR(UHF): 430MHz -440MHz
Operating Frequencies	PMR(VHF): 144.025 MHz -145.975 MHz PMR(UHF): 430.025 MHz -439.975 MHz
Channel spacing	12.5 KHz
Transmit Power	PMR(VHF): High 50 Watts(46.89 dBm) / Low 10 Watts (39.44 dBm) PMR(UHF): High 40 Watts(45.83 dBm) / Low 10 Watts (39.72 dBm)
Hardware Version	V2.1
Software Version	D03.31

### System Components

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### Optional Components

Power Cable	2m
Hand Mic	TYT, --, TYT Electronics Co.,Ltd

### Approval documentation

External / Internal Photos	provided, 16 pages / 31 pages
User Manual	provided, 37 pages
Block Diagram	provided, 1 page
Circuit Diagram	provided, 10 pages / 1 page / 1 page
Operational Description	Technical Specifications Of Digital Mobile Radio, 1 page
PCB Layout	provided, 8 pages / 2 pages / 2 pages
Parts Placement	provided, 4 pages / 4 pages / 2 pages
Parts List	provided, 4 pages / 1 page / 1 page
EU Declaration of Conformity	2 pages, September 30,2017
Explanation of compliance Article 10(2) and Article 10(10)	Have description letter.
Further Documents	Risk Assessment, 5 pages, October.09, 2017 Declaration of Operation in Member States and application for certification, 1 page, September 30, 2017 Declaration on model difference, 1 page, September 30, 2017



### Applied Standards and Test Reports

Specification	Laboratory	Test Report Number / Version
EN 60950-1:2006+A11:2009+ A1:2010+A12:2011+A2:2013	Attestation of Global Compliance (Shenzhen) Co., Ltd.	AGC10624170801ES01 V1.1
EN 62311:2008	Attestation of Global Compliance (Shenzhen) Co., Ltd.	AGC10624170801EH04 V1.2
Draft ETSI EN 301 489-1 V2.2.0 Draft ETSI EN 301 489-15 V2.2.0:	Attestation of Global Compliance (Shenzhen) Co., Ltd.	AGC10624170801EE01 V1.1
ETSI EN 301 783 V2.1.1	Attestation of Global Compliance (Shenzhen) Co., Ltd.	AGC10624170801EE13

### Limitations / Restrictions


Operating Temperature range -10 - 60 degree Celsius

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.

Vehicular use only, for 13.8 Volt power supply

The health assessment was calculated with a separation distance of 1.39 m, with an antenna gain of external antenna of 0 dBi.

### 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.

