

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.	17-212923
Manufacturer	TYT Electronics Co.,Ltd
Address	Block 39-1, Optoelectronics-information industry base, Nan'an, Quanzhou, Fujian, China
Product Description	Quad band mobile radio, Amateur radio for vehicular use
Brand Name / Model Name	TYT / TH-9800

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:	n/a

Date of issue	2017-09-20	Expiry date:	2022-09-19
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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 Dieter Griep
Notified Body

Annex

Technical description

Frequency Range	VHF: 28MHz - 29.7MHz 50MHz - 52MHz/ 144MHz -146MHz UHF: 430MHz - 440MHz
channel separation	12.5 kHz / 25 kHz
Transmit Power	VHF: 50W (fixed power level) UHF: 40W (fixed power level)
Operational temperature range	-20° to +60°C
Hardware Version	TH-9800-RF-1.2
Software Version	Version 2.0.8

System Components

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Optional Components

Power cord	MODEL NAME: 2468, 20AWG, 80°C
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Approval documentation

	Technical Documentation TYT- TH-9800 External / Internal Photos, User Manual, Label, Block Diagram, Circuit Diagram, Operational Description, PCB Layout, Parts Placement, Parts List
EU Declaration of Conformity	Declaration of Conformity, 1 page, 2017-08-28
Explanation of compliance Article 10(2) and Article 10(10)	Declaration of Operation in Member States, 1 page, 2017-08-28
Further Documents	Risk Assessment TH-9800, 2017-09-17, 5 pages




Applied Standards and Test Reports

Specification	Laboratory	Test Report Number / Version
EN 60950-1: 2006 + A11: 2009 + A1: 2010 + A12: 2011 + A2: 2013	AGC Shenzhen	AGC01039170614ES01 V1.2
EN 62311:2008	AGC Shenzhen	AGC01039170614EH04 V1.1
Draft EN 301 489-1 V2.2.0 Daft EN 301 489-15 V2.2.0	AGC Shenzhen	AGC01039170614EE01 V1.2
EN 301 783 V2.1.1	AGC Shenzhen	AGC01039170614EE13

Limitations / Restrictions

- 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.
- The health assessment was calculated with a separation distance of 139 cm, with an antenna gain for external antenna of zero dBi.
- Vehicular use only, for 13.8 Volt power supply. The shown Fixed Station Operation was not part of this assessment for this certificate.

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.