

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.	17-213762
Manufacturer	Sain3 LLC
Address	36 Berkley Drive, Newark, Delaware 19702, USA
Product Description	DMR Digital Transceiver; with PMR
Brand Name / Model Name	Radioddity / GD-77

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:	Not applicable

Date of issue **2017-12-05** Expiry date: **2022-12-04**

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 Alan Lane
Notified Body

Annex

Technical description

Operation Frequency	PMR: 144-146 MHz PMR: 430-440 MHz
Frequency Range	PMR: 144.025-145.975 MHz PMR: 430.025-439.975 MHz
Transmit Power	PMR: High 5 Watts(36.91 dBm) / Low 1 Watts (29.87 dBm)
Channel Spacing	12.5KHz, 25KHz
Hardware Version	V3.1
Software Version	V2.6.3

System Components

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Optional Components

Power Cable	1m
Belt Clip	1pcs.
Charger	INPUT: DC 12.5V, OUTPUT: DC 8.4V 0.45A , (CHI MEI CORPORATION)
Adapter	Sain3 LLC, CG-Q0510, Input: 100-240V~ 50/60Hz, 0.2A; output: 12V 0.5A
Battery	--, GD-77, 7.4V, 2200mAh (Guangdong Shangrila Networking Technology Co., Ltd)

Approval documentation

External / Internal Photos	provided, 11 pages
User Manual	provided, 41 pages
Block Diagram	provided, 1 page
Circuit Diagram	provided, 3 pages
Operational Description	Operational Description, 2 pages
PCB Layout& Parts Placement	provided, 8 pages
Parts List	provided, 5 pages
EU Declaration of Conformity	2 pages, November 07, 2017
Explanation of compliance Article 10(2) and Article 10(10)	Have description letter.
Further Documents	Risk Assessment, 5 pages, September 22, 2017 Declaration of Operation in Member States and application for certification, 1 page, November 07, 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.	AGC10624170902ES01 V1.1 AGC10624170902ES02 V1.0
EN 50566:2013 EN 62209-2:2010	Attestation of Global Compliance(Shenzhen) Co., Ltd.	AGC10624170902EH01 V1.1
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.	AGC10624170902EE01 V1.1
ETSI EN 301 783 V2.1.1	Attestation of Global Compliance(Shenzhen) Co., Ltd.	AGC10624170902EE13 V 1.2

Limitations / Restrictions

Operating Temperature range -20 - 40 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.

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.

