

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.	17-212693
Manufacturer	Shenzhen Kerchan Technology Co.,Ltd.
Address	7th floor, buildingF, Fusen Commercial Center, Hangcheng Road, Bao'an District, Shenzhen, Guangdong, China
Product Description	Hand Sanitizing Billboard; with WiFi
Brand Name / Model Name	KERCHAN / DSD2150AF, DSD2150AM, DSD2150A, DSD2150D, ADD1000L

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	2017-08-24	Expiry date:	2022-08-23
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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 Alan Lane
Notified Body

Annex

Technical description

Frequency Range	WiFi(H20): 2412 - 2472 MHz WiFi(H40): 2422 - 2462 MHz
Transmit Power	18.48 dBm EIRP
Hardware Version	DS-831_V5.0
Software Version	octopus_perf-eng 4.4.4 KTU84Q 20170503

System Components

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Optional Components

Power Cable	1.5 meter, unshielded cable, without ferrite core
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Approval documentation

External / Internal Photos	Provided, 12 pages
User Manual	Android Hand Sanitizing Billboard, 8 pages
Block Diagram	Provided, 1 page
Circuit Diagram	Provided, 13 pages
Operational Description	Operation of Description, 1 page
PCB Layout	Provided, 14 pages
Parts Placement	Provided, 5 pages
Parts List	Provided, 2 pages
EU Declaration of Conformity	3 pages, August 4, 2017
Explanation of compliance Article 10(2) and Article 10(10)	Description in the User Manual
Further Documents	Risk Assessment, 5 pages, August 4, 2017 Sample family of DoC Letter, 1 page, August 4, 2017


Applied Standards and Test Reports

Specification	Laboratory	Test Report Number / Version
EN 60950-1:2006+A11:2009+ A1:2010+A12:2011+A2:2013	Shenzhen LCS Compliance Testing Laboratory Ltd.	LCS170615077AS
EN 62311: 2008	Shenzhen LCS Compliance Testing Laboratory Ltd.	LCS170615080AE
ETSI EN 301 489-1 V2.1.1 ETSI EN 301 489-17 V3.1.1	Shenzhen LCS Compliance Testing Laboratory Ltd.	LCS170615078AE
ETSI EN 300 328 V2.1.1	Shenzhen LCS Compliance Testing Laboratory Ltd.	LCS170615079AE

Limitations / Restrictions

- Operating Temperature range is -20 - +45 degree Celsius.
- Body Separation distance is 20cm by using the procedure of MPE calculation.

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.