

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.	17-210295
Manufacturer	Shanghai MXCHIP Information Technology Co., Ltd
Address	9 th Floor, No.5, Lane 2145 JinshaJiang Road, Putuo District, ShangHai, China (200333)
Product Description	Embedded WiFi & Bluetooth module
Brand Name / Model Name	MXCHIP / EMW3239-P, EMW3239-E

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 / Re-issue	2017-03-13	Expiry date:	2022-03-12
--------------------------	-------------------	--------------	-------------------

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 Bernd Selck
Notified Body

Annex

Technical description

Frequency Range	2402 – 2480 MHz (4.0 /BLE, EDR; 40 and 79 channels) 2412 – 2472 MHz
Transmit Power	2.88 dBm EIRP / 3.07 dBm EIRP 16.69 dBm EIRP
Hardware Version	EMW3239 V1.0
Software Version	EMW3239_1 v3.0 921600
Firmware Version	---

System Components

External antenna	EMW3239-E, gain: 2 dBi
PCB antenna	EMW3239-P, gain: 2 dBi

Optional Components

Approval documentation

External / Internal Photos	EMW3239-P and EMW3239-E
Installation Manual	Design Considerations of EMW3239 V 0.5
Datasheet	EMW3239 Version 0.9
Block Diagram	EM3239 WI-Fi/BT Module Hardware block
Circuit Diagram	RD2-22890-04
Operational Description	Datasheet, DS0046CN, 2016-12-08
PCB Layout	3 Layers
Parts List	08-EM3239_BOM
Parts placement	w/o name
EU Declaration of Conformity	Provided, dated 2017-02-14
Explanation of compliance Article 10(2) and Article 10(10)	provided
Further Documents	Equality Statement, signed w/o date Antenna IPEX1.13-2.4G-L32 PCB antenna, EMW3239 Ant Size




Applied Standards and Test Reports

Specification	Laboratory	Test Report Number / Version
EN 60950-1:2006 +A11:2009 +A1:2010 + A12:2011 +A2:2013	Shanghai Skylabs Co. Ltd	SH16120037A01 Issue 2.0
ETSI EN 301 489-1 V2.1.1 ETSI EN 301 489-17 V3.1.1	Shanghai Skylabs Co- Ltd.	SH16120037E01 Issue 2.0
EN 62479	Shanghai Skylabs Co- Ltd	SH16120037H01
EN 62311	Shanghai Skylabs Co- Ltd	SH16120037H02
EN 300328 V2.1.1	Shanghai Skylabs Co- Ltd	SH16120037W01 Issue 2.0, SH16120037W02 Issue 2.0, SH16060037W03 Issue 2.0

Limitations / Restrictions

- If the module shall be integrated into a system, this set needs to be reassessed.
- Operation temperature: -30° - +70° C
- The device may be used not less than 20 cm to the human body.

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.