

Expertise

**Expert Opinion of the Notified Body on the Conformity Assessment
according to Article 10.5 of R&TTE Directive 1999/5/EC**

PHOENIX TESTLAB
EU Identification Number **0700**

Recognised by  Bundesnetzagentur

BNetzA-bs-02/51-55

Expertise No.	16-213647
Certificate Holder	Shanghai MXCHIP Information Technology Co., Ltd
Address	9th Floor, No.5, Lane2145 Jinshajiang Road, Putuo District, ShangHai, China (200333)
Product Description	Embedded WiFi module
Brand Name / Model Name	MXCHIP / EMW3166-P, EMW3166-E, EMW3166-B

Opinion on the Essential Requirements

Article 3.1a): Health and Safety	No remarks
Article 3.1b): Electromagnetic Compatibility	No remarks
Article 3.2: Effective Use of the Radio Spectrum	No remarks

CE-marking

Marking Example (Class 1) **CE 0700**

This certificate is issued in accordance with the Directive 1999/5/EC of the European Parliament and the Council on radio equipment and telecommunications terminal equipment and the mutual recognition of their conformity dated 9th March 1999 and is only valid in conjunction with the following annex (2 pages).

R&TTE Directive will expired on 12 June 2017.

Blomberg, 16 December 2016

Place, Date of Issue



Signed by Wayne Hsu
Notified Body

Technical description

Frequency Range WiFi: 2412 - 2472 MHz
Transmitted Power WiFi: 18.49 dBm EIRP
Operational temperature range Device -30~85 degree Celsius
Operational temperature range Power adaptor --

Technical Construction File (TCF):

Technical documentation according to Annex II sub clause 4:

- User Manual
- Operational Description
- Block Diagram
- Circuit Diagram
- Parts Placement
- PCB-Layout
- Parts List

Hardware Version: EMW3166 V1.0
Software Version: 5.90.230.2

Applied Standards and Test Reports

Specification	Laboratory	Test Report Number
EN 60950-1:2006+A11:2009+A1:2010+A12:2011+A2:2013	Shanghai Skylabs Co.,Ltd	SH16100058A01
EN 62311:2008	Shanghai Skylabs Co.,Ltd	SH16100058H01
EN 301 489-1 V1.9.2 EN 301 489-17 V2.2.1	Shanghai Skylabs Co.,Ltd	SH16100058E01
EN 300 328 V1.9.1	Shanghai Skylabs Co.,Ltd	SH16100058W01 V2.0

Further Documents

EU Declaration of Conformity, 1 page, 2016-11-01.
Statement, 1 page, --.



Opinion on the Essential Requirements:

The basis of this Expertise is the Technical Construction File (TCF). If the TCF includes test reports issued by laboratories accredited to the standard ISO/IEC 17025, the test results of these reports are considered as a basis for the conformity assessment of the Notified Body.

Article 3.1a): Health and Safety:

- Health:
 - Conform, at separation distance of 20 cm by using the procedure of MPE calculation.
- Safety:
 - Conform.

Article 3.1b): Electromagnetic Compatibility:

- Conform.

Article 3.2: Effective Use of the Radio Spectrum:

- Conform.

General Remarks:

- This conformity assessment is limited to the essential requirements of the R&TTE Directive. Only products fulfilling all essential requirements of all applicable new approach directives may be placed on the market and put into service. Products in compliance with all provisions of the applicable directives providing for the CE marking must bear this marking.
- If the module shall be integrated into a system, this set needs to be reassessed.

