

# 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**



BNetzA-bs-02/51-55

Expertise No.	16-212867
Certificate Holder	GAINWISE TECHNOLOGY CO.,LTD.
Address	10F-4, No.12, Zhonghua Rd., Yongkang Dist., Tainan City 71069, Taiwan
Product Description	WiFi Video Doorbell; with WiFi and Non-specific Short Range Devices
Brand Name / Model Name	TH-601W

## Opinion on the Essential Requirements

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

## CE-marking

Marking Example (Class 1)

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 9<sup>th</sup> March 1999 and is only valid in conjunction with the following annex (2 pages).

**R&TTE Directive will expired on 12 June 2017.**

Blomberg, 13 September 2016

Place, Date of Issue




Signed by Alan Lane  
Notified Body

## Technical description

Frequency Range	2.4G WiFi (20 MHz): 2412 - 2472 MHz 2.4G WiFi (40 MHz): 2422 - 2462 MHz SRD: 433.92 MHz(Sub-class 61)
Transmitted Power	WiFi: 15.56 dBm EIRP SRD: -2.04 dBm ERP
Operational temperature range Device	-20 ~ 40 degree Celsius
Operational temperature range Power adaptor	--

## Technical Construction File (TCF):

Technical documentation according to Annex II sub clause 4:

- |   |   |
|---|---|
| <input checked="" type="checkbox"/> User Manual     | <input checked="" type="checkbox"/> Operational Description |
| <input checked="" type="checkbox"/> Block Diagram   | <input checked="" type="checkbox"/> Circuit Diagram         |
| <input checked="" type="checkbox"/> Parts Placement | <input checked="" type="checkbox"/> PCB-Layout              |
| <input checked="" type="checkbox"/> Parts List      |   |

Hardware Version: V1.1  
Software Version: V1.1

## Applied Standards and Test Reports

Specification	Laboratory	Test Report Number
EN 60950-1:2006+A11:2009+A1:2010+A12:2011+A2:2013	Shenzhen SEM.Test Technology Co., Ltd.	STR16078276S
EN 50385:2002	Shenzhen SEM.Test Technology Co., Ltd.	STR16078276E-4
EN 301 489-1 V1.9.2 EN 301 489-3 V1.6.1 EN 301 489-17 V2.2.1	Shenzhen SEM.Test Technology Co., Ltd.	STR16078276E-3
EN 300 328 V1.9.1	Shenzhen SEM.Test Technology Co., Ltd.	STR16078276E-1
EN 300 220-1 V2.4.1 EN 300 220-2 V2.4.1	Shenzhen SEM.Test Technology Co., Ltd.	STR16078276E-2

## Further Documents

EU Declaration of Conformity, 2 pages, 2016-08-31.

Model declaration Letter, 1 page, 2016-08-31.



## 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:
  - AC/DC Adapter: The adapter part has not been assessed. This should be tested according to EN 60950-1.
  - Equipment which shall be installed outdoors has to be tested according to EN 60950-22

### 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.
- The Technical Construction File should include the following technical documentation additionally:
  - PCB layout and parts placement of the RF module
  - PCB layout and parts placement of the Receiver1 and 2 parts