

# 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.           | 15-211075  |
| Certificate Holder      | CAO GADGETS LLC  |
| Address                 | 50 Tesla, Irvine, CA 92618, United States.                 |
| Product Description     | Wireless Sensor Tag; with Non-specific Short Range Devices |
| Brand Name / Model Name | Wireless Sensor Tag / ZGW05                                |

## Opinion on the Essential Requirements

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

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



Blomberg, 14 October 2015

Place, Date of Issue



Signed by Alan Lane  
Notified Body

## Technical description

|   |                                 |
|---|---------------------------------|
| Frequency Range                             | SRD: 433.186 MHz (sub-class 20) |
| Transmitted Power                           | SRD: -3.65 dBm ERP              |
| Duty Cycle                                  | <10%                            |
| 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 type="checkbox"/> Parts List                 |   |

Hardware Version: --

Software Version: --

## Applied Standards and Test Reports

| Specification   | Laboratory                           | Test Report Number |
|---|--------------------------------------|--------------------|
| EN 60950-1:2006+A11:2009<br>+A1:2010+A12:2011+A2:2013 | Shenzhen STS Test Services Co., Ltd. | STS1506054A01      |
| EN 62479:2010   | Shenzhen STS Test Services Co., Ltd. | STS1506054W02      |
| EN 301 489-1 V1.9.2<br>EN 301 489-3 V1.6.1            | Shenzhen STS Test Services Co., Ltd. | STS1506054E01      |
| EN 300 220-1 V2.4.1<br>EN 300 220-2 V2.4.1            | Shenzhen STS Test Services Co., Ltd. | STS1506054W01      |

## Further Documents

EU Declaration of Conformity, 1 page, 2015-09-30.



## 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:

- 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.
- The software and hardware may affect the compliance, therefore the software and hardware version shall be stated
- The Technical Construction File should include Parts List.

