



TEST REPORT EN 62479:2010

Report Number..... : **ZKT-2503103975E-1**

Date of Test..... : Mar. 10, 2025 to Mar. 18, 2025

Date of issue..... : Mar. 18, 2025

Total number of pages..... : 7

Test Result : PASS

Testing Laboratory..... : **Shenzhen ZKT Technology Co., Ltd.**

Address : 1/F, No. 101, Building B, No. 6, Tangwei Community Industrial Avenue, Fuhai Street, Bao'an District, Shenzhen, China

Applicant's name : **Leuze electronic GmbH + Co. KG**

Address : In der Braike 1, 73277 Owen, Germany

Manufacturer's name : **KRONOTECH Srl.**

Address : Via Adriatica, 284, 33030 Basaldella di Campoformido (UD), Italy

Test specification:

Standard..... : EN 62479: 2010
EN 50663:2017

Test procedure..... : /

Non-standard test method : N/A

This device described above has been tested by ZKT, and the test results show that the equipment under test (EUT) is in compliance with the 2014/53/EU RED Directive Art.3.1(a) requirements. And it is applicable only to the tested sample identified in the report.

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Product name..... : **Compact HF Reader Cubic - IO-Link**

Trademark : N/A

Model/Type reference..... : RDH 242 00

Ratings..... : Nominal 24 Vdc, range 18...36Vdc



Testing procedure and testing location:

Testing Laboratory.....: **Shenzhen ZKT Technology Co., Ltd.**

Address.....: 1/F, No. 101, Building B, No. 6, Tangwei Community
Industrial Avenue, Fuhai Street, Bao'an District,
Shenzhen, China

Tested by (name + signature).....: Jim Liu

Jim Liu

Reviewer (name + signature).....: Jackson Fang

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Approved (name + signature).....: Lake Xie





Table of Contents

Page

| | |
|-------------------------------|---|
| 1. Version | 4 |
| 2. GENERAL INFORMATION | 5 |
| 3. EN 62479 REQUIREMENT | 6 |
| 3.1 GENERAL INFORMATION | 6 |
| 3.2 LIMIT | 6 |
| 4. RESULT | 7 |



1. Version

| Report No. | Issue Date | Description | Approved |
|-------------------|---------------|-------------|----------|
| ZKT-2503103975E-1 | Mar. 18, 2025 | Original | Valid |
| | | | |



2. GENERAL INFORMATION

| | |
|-------------------------|--|
| Product Name: | Compact HF Reader Cubic - IO-Link |
| Model No.: | RDH 242 00 |
| Serial Mode: | N/A |
| Model Difference: | N/A |
| Operation Frequency: | 13.56MHz±7kHz |
| Antenna type: | PCB antenna1, Maximum Gain is 0dBi Note: the antenna gain is provided by the customer, and the final test result has nothing to do with us. |
| Modulation: | ASK |
| Ratings: | Nominal 24 Vdc, range 18...36Vdc |
| Battery capacity: | N/A |
| Intend use environment: | Residential, commercial and light industrial environment |



3. EN 62479 REQUIREMENT

3.1 GENERAL INFORMATION

According to its specifications, the EUT must comply with the requirements of the following standards:

EN 62479: 2010 [Assessment of the compliance of low power electronic and electrical equipment with the basic restrictions related to human exposure to electromagnetic fields (10 MHz to 300 GHz)]

3.2 LIMIT

A. Typical usage, installation and the physical characteristics of equipment make it inherently compliant with the applicable EMF exposure levels such as those listed in the bibliography. This low-power equipment includes unintentional (or non-intentional) radiators, for example incandescent light bulbs and audio/visual (A/V) equipment, information technology equipment (ITE) and multimedia equipment (MME) that does not contain radio transmitters.

NOTE Equipment is described as A/V equipment, ITE or MME if its main use is playback/recording of music, voice or images, or processing of digital information.

B. The input power level to electrical or electronic components that are capable of radiating electromagnetic energy in the relevant frequency range is so low that the available antenna power and/or the average total radiated power cannot exceed the low-power exclusion level defined in 4.2.

C. The available antenna power and/or the average total radiated power are limited by product standards for transmitters to levels below the low-power exclusion level defined in 4.2.

D. Measurements or calculations show that the available antenna power and/or the average total radiated power are below the low-power exclusion level defined in 4.2.



4. RESULT

The available antenna power of this EUT is **0.03mW(-15.37dBm)**, the power are below the low-power exclusion level defined in 4.2(Pmax: 20mW)."

***** END OF REPORT *****