



# TEST REPORT EN 62479:2010

**Report Number**..... : **ZKT-2503103973E-1**

**Date of Test**..... : Mar. 10, 2025 to Mar. 25, 2025

**Date of issue**..... : Mar. 25, 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 M30 - IO-Link**

**Trademark** ..... : **N/A**

**Model/Type reference**..... : RDH 142 00 M30

**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

*Jackson Fang*

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





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1. Version

Report No.	Issue Date	Description	Approved
ZKT-2503103973E-1	Mar. 25, 2025	Original	Valid



## 2. GENERAL INFORMATION

Product Name:	Compact HF Reader M30 - IO-Link
Model No.:	RDH 142 00 M30
Serial Model:	N/A
Model Difference:	N/A
Operation Frequency:	SRD 13.56MHz $\pm$ 7KHz
Antennal type:	PCB antenna, 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
Power supply:	Nominal 24 Vdc, range 18 ... 36Vdc
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 0.043mW(81.52dBuA/m), the power are below the low-power exclusion level defined in 4.2(Pmax: 20mW).”

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