

INTERNATIONAL
STANDARD

ISO/IEC
24770-5

First edition
2019-08

Information technology — Real-time locating system (RTLS) device performance test methods —

**Part 5:
Test methods for chirp spread spectrum (CSS) air interface**



Reference number
ISO/IEC 24770-5:2019(E)

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Published in Switzerland

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Foreword

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The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of document should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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This document was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 31, *Automatic identification and data capture techniques*.

A list of all parts in the ISO/IEC 24770 series can be found on the ISO website.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

Introduction

ISO/IEC 24730-5 defines an air interface for real time locating systems (RTLS) devices used in asset management applications.

This document provides test methods for measuring the performance of equipment compliant with ISO/IEC 24730-5.

ISO/IEC 24769-5 contains all measurements required to be made on a product in order to establish whether it conforms to ISO/IEC 24730-5.

Information technology — Real-time locating system (RTLS) device performance test methods —

Part 5:

Test methods for chirp spread spectrum (CSS) air interface

1 Scope

This document defines the test methods for determining the performance characteristics of chirp spread spectrum (CSS) real time locating system (RTLS) equipment including tags and readers which are applicable to the selection of equipment that conforms to ISO/IEC 24730-5 for specific applications. This document does not apply to the testing in relation to regulatory or similar requirements.

The RTLS equipment performance parameters included in this document only include the chirp spread spectrum (CSS) radio frequencies link between tags and readers. Unlike ISO/IEC 18305, the tests in this document apply exclusively to RTLS equipment defined in ISO/IEC 24730-5 unless specified otherwise.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO/IEC 19762, *Information technology — Automatic identification and data capture (AIDC) techniques — Harmonized vocabulary*

ISO/IEC 24730-5, *Information technology — Real-time locating systems (RTLS) — Part 5: Chirp spread spectrum (CSS) at 2,4 GHz air interface*