ISO/IEC 24770-62:2015-10 (E)

Information technology - Real-time locating s ystem (RTLS) device performance test methods - Part 62: High rate pulse repetition frequency Ultra Wide Band (UWB) air interface

Contents

Page

Foreword iv

Introduction v

1 Scope 1

2 Normative references 1

3 Terms,definitionsandabbreviatedterms 1
3.1 Terms and definitions 1
3.2 Abbreviated terms 1

4 General 2
4.1 Performance requirements 2
4.1.1 Preface 2
4.1.2 Location accuracy 2
4.1.3 Tag capacity 2
4.1.4 Location latency 2
4.1.5 Tag orientation 2
4.1.6 System range and packet error rates 2
4.2 Default conditions applicable to the test methods 3
4.2.1 Preface 3
4.2.2 Test environment 3
4.2.3 Default tolerance 3
4.2.4 System Logging 3

5.1 System locate performance 3
5.1.1 Preface 3
5.1.2 Test objective 3
5.1.3 Test set up 3
5.1.4 Test procedure 4
5.1.5 Test measurements and requirements 5
5.1.6 Test report 6
5.2 Tests for mandatory UWB tag to reader air interface 7
5.2.1 Test objective 7
5.2.2 Test set up 7
5.2.3 Test procedure 7
5.2.4 Test measurements and requirements 7
5.2.5 Test report 7
5.3 Tests for optional two-way-ranging air interface 8
5.3.1 Preface 8
5.3.2 Test objective 8
5.3.3 Test set up 8
5.3.4 Test procedure 8
5.3.5 Test measurements and requirements 8

6 Statistical relevance of results 9