ICS 35.040
CCS L 64

NATIONAL STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

GB/T 33848.1-2017

Information technology -- Radio frequency identification -- Part 1: Reference architecture and definition of parameters to be standardized

Issued on: May 31, 2017 **Implemented on: December 1, 2017**

Issued by: General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China, Standardization Administration of the People's Republic of China

Table of Contents

Foreword

GB/T 33848 in the "information technology radio frequency identification" under the general title is divided into the following six parts.

- Part 1. Reference structure and standardization of parameter definitions;

- Part 2. Air interface communication parameters below 135 kHz;

- Part 3. 13.56MHz air interface communication parameters;

- Part 4. 2.45GHz air interface communication parameters;

- Part 6. 8-20MHz ~ 845MHz and 920MHz ~ 925MHz air interface communication parameters;

- Part 7. 433MHz active air interface communication parameters.

This part is part 1 of GB/T 33848.

This part is drafted in accordance with the rules given in GB/T 1.1-2009.

This part uses the re-drafting method for reference ISO /IEC 18000-1..2008 "Information technology Radio frequency identification for item management

Part. standardized reference structure and parameter definition "preparation, and ISO /IEC 18000-1..2008 consistent degree of non-equivalent.

1 Scope

This part of GB/T 33848 specifies the reference structure and parameter definitions for the radio frequency identification air interface.

This part is applicable to the identification of air interface parameters of radio frequency identification.

2 normative reference documents

The following documents are indispensable for the application of this document. For dated references, only the dated edition applies to this article

Pieces. For undated references, the latest edition (including all modifications) applies to this document.

ISO /IEC 15961 Information technology Radio frequency identification data for item management Data protocol. Application interface (Informationtech-

nology-radiofrequencyidentificationforitemmanagement-Dataprotocol. applicationinterface)

ISO /IEC 19762 (all parts) Information technology Automatic identification and data acquisition techniques Coordination vocabulary [Informationtech-

nology-automaticidentificationanddatacapture (AIDC) techniques] -Harmonizedvocabulary

3 terms and definitions

ISO /IEC 19762 (all parts) and the following terms and definitions apply to this document.

3.1

Mode mode

Work in the same frequency range for radio frequency identification of different work.

Note. There may be one or more patterns in the criteria for providing parameter definitions for a particular frequency range. These modes are used at the same time.

There is significant interference.

3.2

Significant interference with significantinterference

In the expected work scenario, a pattern significantly hinders the interference of another mode of normal operation.

3.3

Chip chip

A coded signal (such as logic 1 or 0) is encoded when used for each coded signal.

4 abbreviations

The following abbreviations apply to this document.

DSSS direct sequence spread spectrum

Effective radiation power

FHSS frequency hopping spread spectrum

LSB least significant bit

MSB most significant bit