

YD

**INDUSTRY STANDARD OF THE
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Testing Methods for Mobile Terminal Information Security

移动终端信息安全测试方法

(English Translation)

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Preface

"Testing Method for 2GHz WCDMA Digital Cellular Mobile Communication Network User Equipment (Phase II) Part I. Basic Function, Service and Performance Test" is one of the serial standards of "Testing Method for 2GHz WCDMA Digital Cellular Mobile Communication Network User Equipment (Phase II) Part I. Basic Function, Service and Performance Test". The names and structure of the series of standards are shown as follows.

- (1) Test Method for 2GHz WCDMA Digital Cellular Mobile Telecommunication Network User Equipment Part I. Basic Function, Services and Performance Test;
- (2) Test Method for 2GHz WCDMA Digital Cellular Mobile Communication Network User Equipment Part II. Network Compatibility Test;

This Standard is one of the serial standards of 2GHz WCDMA Digital Cellular Mobile Communication Network. The structure and names of the serial standards are listed as follows.

- (1) Technical Requirement for 2GHz WCDMA Digital Cellular Mobile Communication Network Radio Access Equipment;
 - (2) Test Method for 2GHz WCDMA Digital Cellular Mobile Communication Network Radio Access Equipment;
 - (3) Technical Requirement for 2GHz WCDMA Digital Cellular Mobile Telecommunication Network User Equipment;
 - (4) Test Method for 2GHz WCDMA Digital Cellular Mobile Telecommunication Network User Equipment;
 - (5) Test method for 2GHz WCDMA/TD-SCDMA Digital Cellular Mobile Communication Network Iu Interface;
 - (6) Test method for 2GHz WCDMA Digital Cellular Mobile Communication Network Iur Interface;
 - (7) Test method for 2GHz WCDMA Digital Cellular Mobile Communication Network Iub Interface;
 - (8) Technical Requirement for 2GHz WCDMA Digital Cellular Mobile Telecommunication Network Uu Interface Physical Layer;
 - (9) Technical Requirement for 2GHz WCDMA Digital Cellular Mobile Telecommunication Network Uu Interface Layer 2;
 - (10) Technical Requirement for 2GHz WCDMA Digital Cellular Mobile Telecommunication Network Uu Interface RRC Layer;
 - (11) Technical Requirement for 2GHz WCDMA Digital Cellular Mobile Communication Network Iu Interface;
 - (12) Technical Requirement for 2GHz WCDMA Digital Cellular Mobile Communication Network Iub Interface;
- Subsequent standards shall be made with the development of technology.

This Standard is based on the version of 3GPP R99 released on Dec., 2002.

This Standard is proposed and managed by China Telecommunication Standardization Association.

This Standard is developed by. MIIT Telecommunication Institute, and ZTE.

This Standard is written by. Li Xin, Chen Yongxin, Yang Hongmei, Guo Gan, Li Bo, Peng Hongli, and Chen Jianjiang.

Test Method for 2GHz WCDMA Digital Cellular Mobile
Communication Network User Equipment (Phase II)
Part I. Basic Function, Service and Performance Test

1 Scope

This specification defines the test method of basic function, service, RF, audio, environment,

reliability, lifecycle and others for user equipment of 2GHz WCDMA digital cellular mobile communication network.

This Standard is applicable to user equipment of 2GHz WCDMA digital cellular mobile telecommunication.

2 Quoted Standards

The following standards contribute to the stipulation of this specification after being quoted.

All the revision versions (excluding correction version) of the quoted standards specified with date

are not applicable for the document. Constituents are encouraged to use the latest version of the

documents. The latest versions of the quoted documents without date specified are applicable to

this Standard.

3GPP TS 34.124 Electromagnetic compatibility (EMC) requirements for Mobile terminals and ancillary equipment

ITU-T P.57 (2002) Artificial ears

ITU-T P.581 (2000) Use of head and torso simulator (HATS) for Hand-free terminal

testing

ITU-T P.64 (1999) Determination of sensitivity/frequency characteristics of local telephone systems

ITU-T P.79 (1999) Calculation of loudness ratings for telephone sets

ITU-T P.340 Transmission characteristics of Hand-free telephones

ITU-T P.501 Test signals for use in telephony

GB/T 18287-2000 General Specification of Li-Ion Battery for Cellular Phone

GB/T 18288-2000 General Specification of Metal Hydride Nickel Battery for Cellular Phone

GB/T 18289-2000 General Specification of Ni-CD Battery for Cellular Phone

GB/T 4943-2001 Security of IT Equipment (including electric equipment)

3 Acronyms

The following acronyms are applied in this part.

ACLR Adjacent Channel Leakage power Ratio ???????

ACS Adjacent Channel Selectivity ?????

AFC Automatic Frequency Control ??????

AGC Automatic Gain Control ??????

6.7.1 Test Purpose

To test that UE can provide corresponding indication after sending and receiving short message.

6.7.2 Test Method

(1) Insert USIM into UE and power it on;

(2) Other mobile user sends SMS to the UE under test. Observe the performance of UE when

receiving the SMS;

(3) UE sends SMS to other mobile user. Observe the performance of UE after sending the SMS;