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**Requirements and measurement methods of electromagnetic
compatibility for cellular mobile telecommunications equipment. Part
14: LTE user equipment and ancillary equipment
(English Translation)**

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Foreword

This part is part 14 of the standard series of "Requirements and measurement methods of electromagnetic compatibility for cellular mobile telecommunications equipment". AND this standard series include the following parts.

Requirements and measurement methods of electromagnetic compatibility for cellular mobile telecommunications equipment - Part 1.General requirements for base stations and ancillary equipment

Requirements and measurement methods of electromagnetic compatibility for cellular mobile telecommunications equipment - Part 2.General requirements for user equipment and ancillary equipment

Requirements and measurement methods of electromagnetic compatibility for cellular mobile telecommunications equipment - Part 3.Multi-system base stations and ancillary equipment

Requirements and measurement methods of electromagnetic compatibility for cellular mobile telecommunications equipment - Part 4.Multimode terminals and ancillary equipment

Requirements and measurement methods of electromagnetic compatibility
for cellular mobile telecommunications equipment - Part 5.900/1800MHz

TDMA base station and ancillary equipment

Requirements and measurement methods of electromagnetic compatibility
for cellular mobile telecommunications equipment - Part 6.900/1800MHz

TDMA user equipment and ancillary equipment

Requirements and measurement methods of electromagnetic compatibility
for cellular mobile telecommunications equipment - Part 7.2GHz

TD-SCDMA base station and ancillary equipment

Requirements and measurement methods of electromagnetic compatibility
for cellular mobile telecommunications equipment - Part 8.2GHz

TD-WCDMA user equipment and ancillary equipment

Requirements and measurement methods of electromagnetic compatibility
for cellular mobile telecommunications equipment - Part 9.2GHz WCDMA
base station and ancillary equipment

Requirements and measurement methods of electromagnetic compatibility
for cellular mobile telecommunications equipment - Part 10.2GHz WCDMA
user equipment and ancillary equipment

Requirements and measurement methods of electromagnetic compatibility
for cellular mobile telecommunications equipment - Part 11.800MHz/2GHz
cdma2000 base station and ancillary equipment

Requirements and measurement methods of electromagnetic compatibility
for cellular mobile telecommunications equipment - Part 12.800MHz/2GHz
cdma2000 user equipment and ancillary equipment

Requirements and measurement methods of electromagnetic compatibility
for cellular mobile telecommunications equipment - Part 13.LTE base
stations and ancillary equipment

Requirements and measurement methods of electromagnetic compatibility

for cellular mobile telecommunications equipment - Part 14. LTE user equipment and ancillary equipment

This part was established mainly by making reference to ETSI TS 136.124 "LTE. Evolved universal terrestrial radio access (E-UTRA); Electromagnetic compatibility (EMC) requirements for mobile terminals and ancillary equipment".

This part was proposed by AND shall be under the jurisdiction of the China Communications Standardization Association.

The drafting organizations of this part. Ministry of Industry and Information Technology Telecommunications Research Institute, ZTE Corporation, Huawei Technologies Co., Ltd., Shanghai Bell Co., Ltd., Nanjing Ericsson Panda Communications Limited.

1 Scope

This part specifies the electromagnetic compatibility requirements of the LTE digital mobile communication system user equipment and ancillary equipment, including limits, performance criteria and measurement methods.

This part applies to the user equipment and ancillary equipment of LTE digital mobile communication system.

2 Normative references

The following documents are essential to the application of this document. For the dated documents, only the versions with the dates indicated are applicable to this document; for the undated documents, only the latest version (including all the amendments) are applicable to this Standard.

GB 9254-2008 Information technology equipment - Radio disturbance characteristics - Limits and methods of measurement

GB 17625.1 Electromagnetic compatibility - Limits - Limits for harmonic current emissions (equipment input current $\leq 16\text{A}$ per phase)

GB 17625.2 Electromagnetic compatibility - Limits - Limitation of voltage

changes, voltage fluctuations and flicker in public low-voltage supply systems, for equipment with rated current $\leq 16\text{A}$ per phase

GB/T 17626.2 Electromagnetic compatibility - Testing and measurement techniques - Electrostatic discharge immunity test

GB/T 17626.3 Electromagnetic compatibility - Testing and measurement techniques - Radiated radio frequency electromagnetic field immunity test

GB/T 17626.4 Electromagnetic compatibility - Testing and measurement techniques - Electrical fast transient/burst immunity test

3.1 Terms and definitions

The following terms and definitions apply to this document.

3.1.1

Ancillary equipment

The equipment used to connect with the wireless communication device, which at the same time satisfies the following conditions.

3.1.5

Continuous disturbance

It refers to the electromagnetic interference having an effect on certain equipment which cannot be clearly differentiated as a series of effect.

3.1.6

Data application ancillary

It refers to the ancillary equipment which accesses the universal mobile telecommunication system (UMTS) via the user equipment, thus providing the transmitting and receiving data.

3.1.7

Enclosure port

It refers to the physical boundary through which the electromagnetic field radiates or invades. The physical boundaries of the plugins are defined by the host unit.