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ICS 33.070.50
CCS M37

YD

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

YD/T 4721-2024

Technical requirements for 5G digital cellular mobile communication network enhanced mobile broadband terminal equipment (Phase II)

5G数字蜂窝移动通信网 增强移动宽带终端设备技术要求（第二阶段）

(English Translation)

Issued on: July 5, 2024 **Implemented on: October 1, 2024**

Issued by: Ministry of Industry and Information Technology

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https://chinastandards.org/standards/yd-t-4721-2024

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1 Foreword

YD/T 4721-2024 was issued by Ministry of Industry and Information Technology on 5 July 2024 and has been in force since 1 October 2024.

The YD/T prefix marks a recommended standard. It is not law in itself: it becomes binding when a contract names it, when a regulation or a mandatory standard refers to it, or when a producer declares conformity with it.

The document runs to 15 pages in English translation.

2 Scope Preview

This standard specifies the functions, performance and radio frequency technical requirements of the newly added carrier aggregation enhancement, MIMO enhancement, mobility enhancement and terminal energy saving technology of 5G terminal equipment. This standard applies to 5G digital cellular mobile communication networks, for non-standalone networking (Non-Stand Alone) and standalone networking (Stand Alone), and 5G enhanced terminal equipment that supports enhanced mobile broadband scenarios (eMBB) in the frequency band below 6GHz.

YD/T 4721-2024 falls under ICS 33.070.50, in the field of telecommunications.

This catalogue holds 3,420 other YD/T standards in that field.

In this catalogue, YD/T standards carry edition years from 1982 to 2026.

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3 About this standard

Sector: Telecommunication Industry Standard (Recommended)

Issued by: Ministry of Industry and Information Technology

English translation: about 15 pages (approximate)

4 Related standards

Standards on related subjects:

YD/T 2576.1-2013 - Test method for user equipment of TD-LTE digital cellular mobile telecommunication network (Phase 1) - Part 1: Basic operation, services and reliability test

YD/T 2576.2-2013 - Test method for user equipment of TD-LTE digital cellular mobile telecommunication network (phase 1) - Part 2: Radio transmission and reception performance test

YD/T 2307-2011 - Technical requirement and testing methods for general function of mobile telecommunication terminal

YD/T 7386-2026 - 5G Digital Cellular Mobile Telecommunication Network Technical Requirement and Test Method of gNB Equipment for uRLLC (Phase 1)

YD/T 7130-2026 - Airborne communication - Technical requirements for cabin Wi-Fi subsystem

YD/T 4730-2024 - Measurement method of air interface electromagnetic characteristics of 5G active integrated system

5 Classification and status

International classification (ICS): 33.070.50

Chinese Standard Classification (CCS): M 37

Prefix YD/T: recommended standard.

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