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ICS 33.060.01
CCS M36

YD

INDUSTRY STANDARD OF THE

PEOPLE'S REPUBLIC OF CHINA

YD/T 6577-2025

5G digital cellular mobile telecommunication network - Technical requirements for OTA test system based on compact antenna test range for sub 6GHz gNB equipment

5G数字蜂窝移动通信网6GHz以下频段基站设备基于紧缩场OTA测试系统技术要求

(English Translation)

Issued on: December 17, 2025 **Implemented on: April 1, 2026**

Issued by: Ministry of Industry and Information Technology

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https://chinastandards.org/standards/yd-t-6577-2025

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1 Foreword

YD/T 6577-2025 was issued by Ministry of Industry and Information Technology on 17 December 2025 and has been in force since 1 April 2026.

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 basic configuration, basic principles and structure of a compact field OTA test system for sub-6GHz base station equipment, as well as the technical requirements such as the constraints of the test system. This standard applies to compact field OTA test systems for 1-O and 1-H type base station equipment in the sub-6GHz band.

YD/T 6577-2025 falls under ICS 33.060.01, 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.

3 About this standard

Sector: Telecommunication Industry Standard (Recommended)

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English translation: about 15 pages (approximate)

4 Related standards

Standards on related subjects:

YD/T 3711-2020 - Technical requirement of IMS based vehicle eCall system based on public telecommunication network

GB/T 32401-2015 - Technical requirements and measurement methods for VHF/UHF frequency

GB/T 12572-2008 - Universal requirements and measurement methods of parameters for radio transmitting equipment

YD/T 6579-2025 - Technical requirements and test method of sidelink positioning andsynchronization for LTE-based vehicular communication under out-of-GNSS coverage condition

YD/T 6576-2025 - 5G digital cellular mobile telecommunication network - Technical requirement of gNB equipment for MBS (Phase 1)

YD/T 6574-2025 - Technical requirements and test methods of 5G device network slicing for industry

5 Classification and status

International classification (ICS): 33.060.01

Chinese Standard Classification (CCS): M 36

Prefix YD/T: recommended standard.

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