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ICS 33.060.30
CCS M35

YD

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

YD/T 6596-2025

General test method for modems of broadband VSAT satellite communication system

宽带VSAT卫星通信系统调制解调器通用测试方法

(English Translation)

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

Issued by: Ministry of Industry and Information Technology

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1 Foreword

YD/T 6596-2025 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 test methods for broadband VSAT satellite communication system modems, including interface characteristic testing, laboratory transmission characteristic testing, satellite transmission characteristic testing, functional characteristic testing, monitoring and management testing, environmental adaptability testing, and security testing. This standard applies to the testing of broadband VSAT satellite communication system earth station modems under geostationary orbit satellite communication services.

YD/T 6596-2025 falls under ICS 33.060.30, 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:

JT/T 1458-2023 - Performance requirements and testing approaches of commercial vehicle communication system (V2X) terminal

JT/T 766.2-2019 - Shipborne terminal of BeiDou navigation satellite system - Part 2: Data exchange protocols

YD/T 6505-2025 - The limits and calculation method of unwanted emission levels produced by a nongeostationary fixed-satellite service system in Ka band at radio astronomy sites

YD/T 6597-2025 - Air interface protocol requirement for SCPC modemsof broadband VSAT satellite communication system

YD/T 6595-2025 - General technical requirement for modemsof broadband VSAT satellite communication system

5 Classification and status

International classification (ICS): 33.060.30

Chinese Standard Classification (CCS): M 35

Prefix YD/T: recommended standard.

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