Chinastandards.org

ICS 33.060.30
CCS M35

YD

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

YD/T 6506-2025

The limits and calculation method of unwanted emission levels produced by a nongeostationary fixed-satellite service system in Ku/Ka/O/V band at radio astronomy sites

Ku/Ka/Q/V频段非对地静止卫星固定业务系统无用发射到达射电天文台的电平限值要求及计算方法

(English Translation)

Issued on: August 19, 2025 **Implemented on: December 1, 2025**

Issued by: Ministry of Industry and Information Technology

Preview: page 1 of 3 shown, 15 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/yd-t-6506-2025

Chinastandards.org

Table of Contents

[Preview only]
1 Scope
2 Normative references
3 Abbreviations
3.1 Terms and definitions
4 General
4.1 Test environment
4.2 UE Information
4.3 Test Implementation
5 Technical requirements

1 Foreword

YD/T 6506-2025 was issued by Ministry of Industry and Information Technology on 19 August 2025 and has been in force since 1 December 2025.

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 calculation method for the unwanted transmission level generated at radio astronomy service (RAS) receiving station sites by non-geostationary satellite fixed service (NGSO FSS) systems, and provides limits for the unwanted transmission level generated at radio astronomy observatory sites by NGSO FSS systems in the Ku, Ka, and Q/V bands. This document is applicable to calculating the unwanted transmission level generated at radio astronomy observatory sites by NGSO FSS systems.

YD/T 6506-2025 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.

Preview: page 2 of 3 shown, 15 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/yd-t-6506-2025

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 6535-2025 - Test method for industry specific single-mode non-handheld terminals of TianTong-1 mobile communication satellite system

YD/T 6534-2025 - Technical requirement for industry specific single-mode non-handheld terminals of TianTong-1 mobile communication satellite system

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

5 Classification and status

International classification (ICS): 33.060.30

Chinese Standard Classification (CCS): M 35

Prefix YD/T: recommended standard.

Preview: page 3 of 3 shown, 15 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/yd-t-6506-2025