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ICS 33.060.20
CCS M36

YD

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

YD/T 6111-2024

Technical requirements for multi-frequency fusion passive smart antennas for mobile communications

移动通信多频融合无源智能天线技术要求

(English Translation)

Issued on: December 10, 2024 **Implemented on: April 1, 2025**

Issued by: Ministry of Industry and Information Technology

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https://chinastandards.org/standards/yd-t-6111-2024

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1 Foreword

YD/T 6111-2024 was issued by Ministry of Industry and Information Technology on 10 December 2024 and has been in force since 1 April 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 electrical performance, mechanical characteristics, environmental conditions and inspection rules of multi-frequency fusion passive smart antennas for mobile communications. This standard applies to the research, development, design and production of multi-frequency fusion smart antennas with working sub-bands of 806MHz~880MHz, 870MHz~960MHz, 1710MHz~1880MHz, 1885MHz~1915MHz, 1920MHz~2170MHz, 2010MHz~2025MHz, 2515MHz~2675MHz, and 3400MHz~3600MHz.

YD/T 6111-2024 falls under ICS 33.060.20, 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 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 6105-2024 - 5G digital cellular mobile communication network - Technical requirements for TDD repeaters

YD/T 6112-2024 - Technical requirements for wide beam high gain antennas for mobile communications

YD/T 6118-2024 - Industrial Internet Edge Computing - Edge node model and requirements - Cinchonine weight method

5 Classification and status

International classification (ICS): 33.060.20

Chinese Standard Classification (CCS): M 36

Prefix YD/T: recommended standard.

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