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YD

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

YD/T 4517.1-2024

Electromagnetic compatibility requirements and measurement methods for vehicle networking communication equipment - Part 1: Roadside wireless communication terminals

车联网通信设备电磁兼容性要求和测量方法 第1部分：路侧无线通信终端

(English Translation)

Issued on: March 29, 2024 **Implemented on: July 1, 2024**

Issued by: Ministry of Industry and Information Technology

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1 Foreword

YD/T 4517.1-2024 was issued by Ministry of Industry and Information Technology on 29 March 2024 and has been in force since 1 July 2024.

It is one of 4 parts of the YD/T 4517 series.

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.

2 Scope Preview

This standard specifies the electromagnetic compatibility requirements for roadside wireless communication terminal equipment and its auxiliary equipment used in the Internet of Vehicles, including measurement methods, measurement frequency ranges, limits and performance criteria. This standard applies to roadside wireless communication equipment for the Internet of Vehicles, including vehicle-road wireless communication terminal equipment, wireless intelligent traffic equipment and wireless intelligent monitoring equipment used in the Internet of Vehicles, such as wireless intelligent cameras, wireless

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signal control equipment and roadside equipment and other wireless communication equipment.

YD/T 4517.1-2024 is filed under Chinese Standard Classification M04, in the field of telecommunications and broadcasting.

This catalogue holds 2,288 other YD/T standards without an ICS number.

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

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

Other parts of this standard:

YD/T 4517.2-2024 - Part 2: Vehicle-mounted wireless communication terminals

YD/T 4517.3-2023 - Internet of Vehicles communication equipment - Part 3: Vehicle Ethernet communication equipment

YD/T 4517.4-2024 - Part 4: Vehicle-mounted satellite communication equipment

Standards on related subjects:

YD/T 2583.18-2019 - Requirement and measurement methods of electromagnetic compatibility for cellular mobile telecommunication equipment - Part 18: 5G user equipment and ancillary equipment

YD/T 2583.14-2013 - Requirements and measurement methods of electromagnetic compatibility for cellular mobile telecommunications equipment. Part 14: LTE user equipment and ancillary equipment

YD/T 2436-2012 - Technical requirements and measurement method of the interface of multi mode terminal equipment

5 Classification and status

Chinese Standard Classification (CCS): M 04

Prefix YD/T: recommended standard.

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