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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 14733.2-2008

Replacing GB/T 14733.2-1993

**Terminology for telecommunication -- Transmission lines and
waveguides**

电信术语 传输线和波导

(English Translation)

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Foreword

GB/T 14733 "Telecommunication term" divided into the following 12 sections.

--- Part 1. Telecommunications, channels and networks;

--- Part 2. Transmission lines and waveguides;

--- Part 3. Reliability, maintainability and quality of service;

--- Part 4. switching technology;

--- Part 5. Using the discrete signals, telegraphy, facsimile and data communications;

- Part 6. space radio communication;
- Part 7. oscillations, signals and related devices;
- Part 8. Telephone;
- Part 9. radio wave propagation;
- Part 10. antenna;
- Part 11. Transfer;
- Part 12. optical fiber communication.

This section GB/T Part 214 733, equivalent using IEC 60050 (726). 1982 "International Electrotechnical Vocabulary Chapter 726. Biography Transmission lines and waveguides "(in English).

This Part replaces GB/T 14733.2-1993 "term telecommunications transmission lines and waveguides." This portion of the GB/T 14733.2-1993 Compared to the main changes are as follows.

- Modified 35 terms;
- Definitions 19 terms have been modified;
- Remove synonyms four terms;
- An increase of 44 term synonymous;
- Added Note 3 terms.

This part is proposed by the Ministry of Industry and Information Technology.

This part of the jurisdiction of the China Communications Standards Association.

This section drafted by. Ministry of Information Industry Telecommunications Research Institute.

1 Scope

This section provides information about transmission lines and waveguides professional aspects of terms and their definitions.

This section applies to telecommunications technology.

2.1 Transmission line, waveguide and resonator structure

726-01-01

A kind of minimum radiated electromagnetic energy transfer (transfer) means between two points.

726-01-02

An electromagnetic wave in a certain direction by the guide of the transmission line A transmission systemic material boundary or structures.

Note: The most common shape is a metal waveguide tube; there are other forms (electric) dielectric rod, or a mixed conductor structure and dielectric materials.

726-01-03

Over the entire length of the physical and electrical characteristics remain the same transmission line.

726-01-04

Over the entire length, its physical and electrical properties remain unchanged waveguide.

726-01-05

Along the characteristic impedance changes exponentially with the distance of the gradient of the transmission line.

726-01-06

A rectangular cross-section waveguide.

726-01-07

Cross-section is circular waveguide.

726-01-08

Cross-section is elliptical waveguide.

726-01-09

You can guide electromagnetic waves by a series of lens or mirror consisting of a waveguide.

726-01-10

A series of electromagnetic waves can be guided by a lens or mirror composed of a transmission line.

GB/T 14733.2-2008/IEC 60050 (726). 1982