

ZN30505M Stacked Log-Periodic Wideband Antenna - Product Datasheet

Manufacturer: Beijing Daze Technology Co., Ltd.



1. Product Overview

Model: ZN30505M
Type: Stacked Log-Periodic Wideband Antenna
Frequency Range: 80MHz - 1.5GHz

The ZN30505M is a linearly polarized stacked log-periodic wideband antenna, featuring a 7/16 connector. It is primarily used for receiving and transmitting within the frequency range of 80MHz - 1.5GHz. This antenna can generate high field strength (200V/m) required for radiated immunity testing and can handle up to 2000W of power. It complies with **GB/T 33014.2-2025 (ISO11452-2:2019)** standards for road vehicles, making it an excellent alternative to imported products.

2. Technical Specifications

Parameter	Specification
Frequency Range	80MHz - 1.5GHz
Polarization	Linear
Cross Polarization	>30dB (80MHz - 1.5GHz)
Front-to-Back Ratio	>16dB
Impedance	50Ω (N/7/16 connector)
VSWR	< 1.5 (typical value)
Maximum Power Handling	N connector: Continuous 1KW, Pulse 1.5KW 7/16 connector: Continuous 2KW, Pulse 3KW
Antenna Gain	9dBi (typical)
3dB Beamwidth (E-plane)	47° - 87°
3dB Beamwidth (H-plane)	41° - 107°
Antenna Dimensions	1.78m (L) × 1.41m (W) × 1.50m (H) (when horizontally polarized)
Antenna Weight	12kg

3. Key Features

- **Wide Frequency Range:** Covers from 80MHz to 1.5GHz.
 - **High Field Strength:** Capable of generating 200V/m for radiated immunity testing.
 - **High Power Handling:** Supports up to 2000W continuous power for the 7/16 connector.
 - **Polarization Flexibility:** Can be configured for horizontal or vertical polarization.
 - **Suitable for EMS Testing:** Ideal for high field strength electromagnetic susceptibility (EMS) measurements.
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4. Included Accessories

Item	Quantity
ZN30505M Antenna	1 set
Antenna Bracket Connector	1 unit
7/16 to N Adapter	1 unit
Antenna Support (ZN33110)	Optional
User Manual	1 copy
Certificate of Conformity	1 copy

5. Operating Instructions

- Handle the antenna with care to avoid damage from impact.
 - Store the antenna in an environment free from corrosive gases.
 - Regularly inspect the antenna for signs of wear and damage before use.
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6. Warranty

- **Duration:** 18 months from the date of shipment.
- **Conditions:** Covers defects in materials and workmanship under normal use and transportation conditions.

7. Product Photo



Contact Information:

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