

ZN30505K Stacked Log-Periodic Antenna - Product Datasheet

Manufacturer: Beijing Daze Technology Co., Ltd.



1. Product Overview

Model: ZN30505K
Type: Stacked Log-Periodic Antenna
Frequency Range: 150MHz - 1.5GHz

The ZN30505K Stacked Log-Periodic Antenna is designed for wideband reception and transmission, operating within a frequency range of 150MHz to 1.5GHz. This antenna covers a broad frequency range without the need for switching elements. It offers high gain and handles high power input, up to 3000W, making it suitable for military electromagnetic emission and susceptibility testing according to the **GJB151B-2013** standard. The antenna is ideal for high field strength electromagnetic susceptibility (EMS) measurements.

2. Technical Specifications

Parameter	Specification
Frequency Range	150MHz - 1.5GHz
Polarization	Linear
Cross Polarization	> 30dB (200MHz - 1.5GHz)
Front-to-Back Ratio	> 16dB
Impedance	50Ω (7/16 connector)
VSWR	< 1.5 (typical value)
Maximum Power Input	3000W (typical value)
Antenna Gain	8dBi (typical)
3dB Beamwidth (E-plane)	64° - 53°
3dB Beamwidth (H-plane)	63° - 44°
Antenna Dimensions (L×W×H)	970mm × 925mm × 960mm (horizontal polarization)
Antenna Weight	Approx. 6.7kg

3. Key Features

- **Wide Frequency Coverage:** Covers the 150MHz to 1.5GHz frequency range with a single antenna.
 - **High Field Strength Measurement:** Suitable for high field strength EMS measurements, capable of generating 200V/m at a distance of 1 meter.
 - **High Power Handling:** Capable of handling up to 3000W input power, making it suitable for strong signal transmission and high field strength testing.
 - **Compact Design:** Lightweight and easy to transport and install, suitable for various laboratories and testing environments.
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4. Standard Accessories

Item	Quantity
ZN30505K Antenna	1 unit
Antenna Bracket Connector	1 unit
Antenna Support Stand (ZN33110, optional)	1 unit
7/16 to N Adapter	1 unit
Test Cable (optional)	1 piece
User Manual	1 copy
Certificate of Conformity	1 copy

5. Operating Instructions

- **Handle with Care:** The antenna should be handled carefully to avoid damage from impacts.
 - **Storage:** Store the antenna in a non-corrosive environment to ensure long-term performance.
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6. Warranty

- **Duration:** 18 months from the date of shipment.

- **Conditions:** The warranty covers defects in materials and workmanship under normal transportation and usage conditions.

7. Product Photo



Contact Information:

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