

ZN30505E Log-Periodic Antenna - Product Datasheet

Manufacturer: Beijing Daze Technology Co., Ltd.



1. Product Overview

Model: ZN30505E
Type: Log-Periodic Antenna
Frequency Range: 30MHz - 3000MHz

The ZN30505E Log-Periodic Antenna combines the characteristics of a biconical and log-periodic antenna, providing a wide frequency range from 30MHz to 3000MHz. It is suitable for both reception and transmission, making it ideal for high field strength EMS measurements. This antenna allows easy polarization plane selection without switching antennas during measurements.

2. Technical Specifications

Parameter	Specification
Frequency Range	30MHz - 3000MHz
Polarization	Linear
Polarization Isolation	>10dB
Front-to-Back Ratio	>10dB
Impedance	50Ω
VSWR	<1.8 (above 200MHz) <4 (50MHz - 200MHz) <10 (30MHz - 50MHz)
Maximum Input Power	200W (typical)
Gain	8dB (typical, starting from 200MHz)
RF Connector	N-type
Antenna Dimensions	845mm × 670mm × 1440mm (W × H × L)
Antenna Weight	Approx. 5kg
Package Dimensions	700mm × 850mm
Package Weight	14kg

3. Standard Accessories

Item	Quantity
Antenna Elements	2 units
Antenna	1 unit
5m N-N Cable	1 unit
User Manual	1 copy
Tripod (optional)	1 unit (with one mount)
Certificate of Conformity	1 copy
Special Packaging Box	1 unit

4. Operating Instructions

- Handling:** Handle the antenna carefully to avoid damage from impacts.
- Storage:** Store the antenna in a non-corrosive environment.

5. Warranty

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

Correction Factor Table

Frequency (MHz)	Correction Factor (3m)	Correction Factor (10m)
30	14.81 dB	14.66 dB
50	8.64 dB	9.18 dB
100	7.62 dB	7.52 dB
200	8.91 dB	8.45 dB
300	12.74 dB	12.38 dB

Frequency (MHz)	Correction Factor (3m)	Correction Factor (10m)
500	16.61 dB	16.33 dB
1000	23.05 dB	22.01 dB
2000	29.0 dB	27.9 dB
3000	35.0 dB	33.9 dB

6. Product Photo



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