

ZN30505A Biconical Antenna - Product Datasheet

Pdqxidfwxuhu: Beijing Daze Technology Co., Ltd.



1. Product Overview

Model: ZN30505A
Type: Biconical Antenna
Frequency Range: 30MHz - 300MHz

The ZN30505A Biconical Antenna is a wideband antenna, featuring broad frequency coverage, lightweight design, foldability, and easy portability. The key performance indicators of this antenna have been tested by the National Institute of Metrology of China, matching the technical levels of similar international products. It meets **GJB151B-2013** testing standards and can replace imported products. The antenna is intended for reception only.

2. Technical Specifications

Parameter	Specification
Frequency Range	30MHz - 300MHz
Antenna Impedance	50Ω (N-type connector)
VSWR	<4 (average)
Maximum Power Handling	<20W
Antenna Factor	Refer figure 1)
Operating Position	Horizontal/Vertical
Antenna Dimensions	1370mm × 1010mm × 843mm
Antenna Weight	Approx. 3.5kg
Package Dimensions	860mm × 460mm × 190mm
Package Weight	Approx. 9.7kg

3. Standard Accessories

Item	Quantity
Antenna Elements	2 units
Antenna Support Rod	1 unit
Antenna Matching Network	1 unit
5m Cable	1 unit
User Manual	1 copy
Tripod	1 unit
Certificate of Conformity	1 copy

4. Operating Instructions

- Handling:** Handle the antenna with care to prevent impact damage.
- Storage:** Store the antenna in a non-corrosive environment.
- Assembly:** Connect the antenna elements, support rod, and matching network. Mount the antenna on the tripod for stable operation.

5. Warranty

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

6. Additional Graph and Chart

Correction Factor Table - Long Dipole Elements

Frequency (MHz)	Correction Factor - Vertical Polarization (dB/m)	Correction Factor - Horizontal Polarization (dB/m)
30	14.7	14.7
40	10.7	13.1
50	9.4	11.2
100	14.6	14.6

Frequency (MHz)	Correction Factor - Vertical Polarization (dB/m)	Correction Factor - Horizontal Polarization (dB/m)
150	16.6	15.0
200	17.1	17.6
300	18.2	18.7

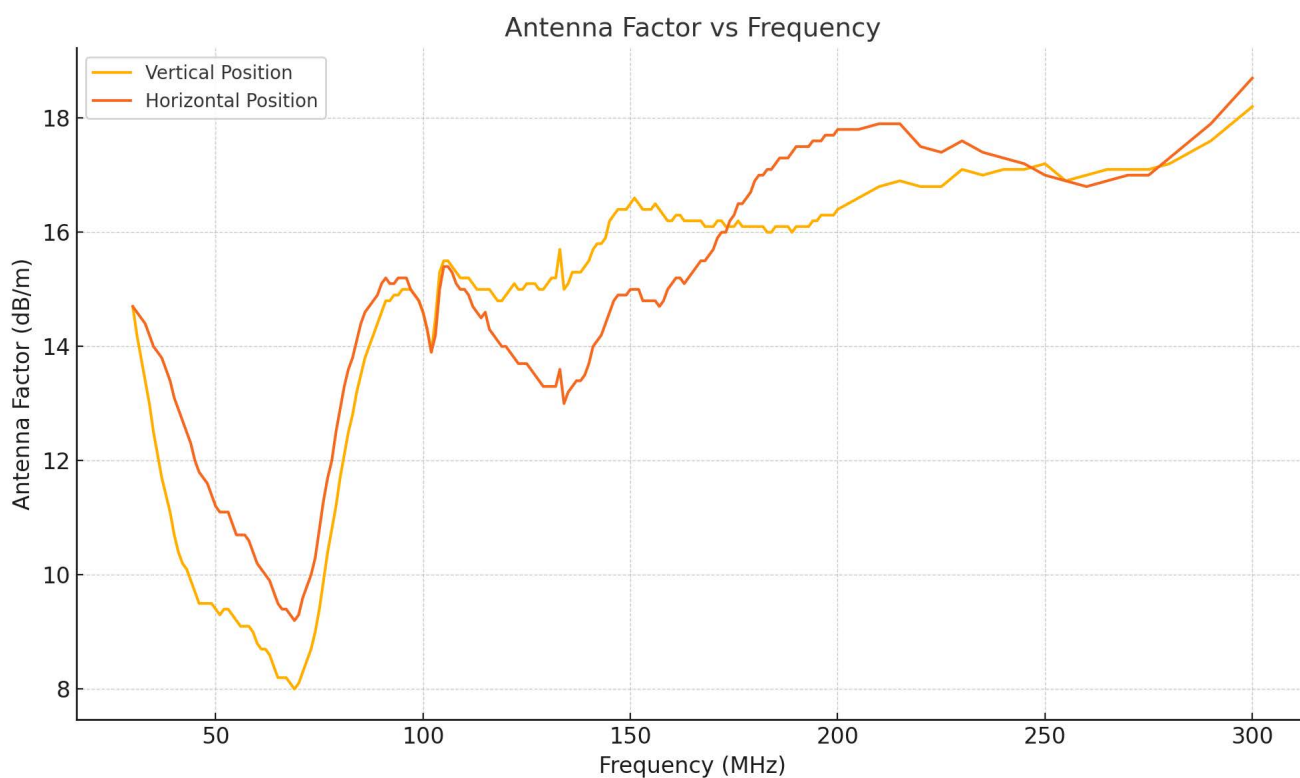


Figure 1

7. Product Photo



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