

ZN30702A — Millimeter-Wave Pyramidal Horn Transmit Antenna

PRODUCT DATASHEET | 18–26.5 GHz | ZHINAN

18–26.5 GHz	FBP220 flange	VSWR ≤ 1.3
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1. Product Overview

The ZN30702A is a broadband pyramidal horn antenna for transmit and receive measurements. Its low VSWR, lightweight construction and defined waveguide interface support repeatable millimeter-wave EMC and RF measurement setups.

2. Technical Specifications

Parameter	Specification
Frequency range	18–26.5 GHz
Nominal impedance	50 Ω
Waveguide flange	FBP220
VSWR	≤ 1.3
Gain	Refer to measured performance curve
Antenna factor	Refer to measured performance curve
3 dB beamwidth	Refer to measured performance curve
Front-to-back ratio	>25 dB
Polarization isolation	>25 dB
Maximum input power	50 W
Polarization	Horizontal / vertical
Weight	Approx. 0.35 kg

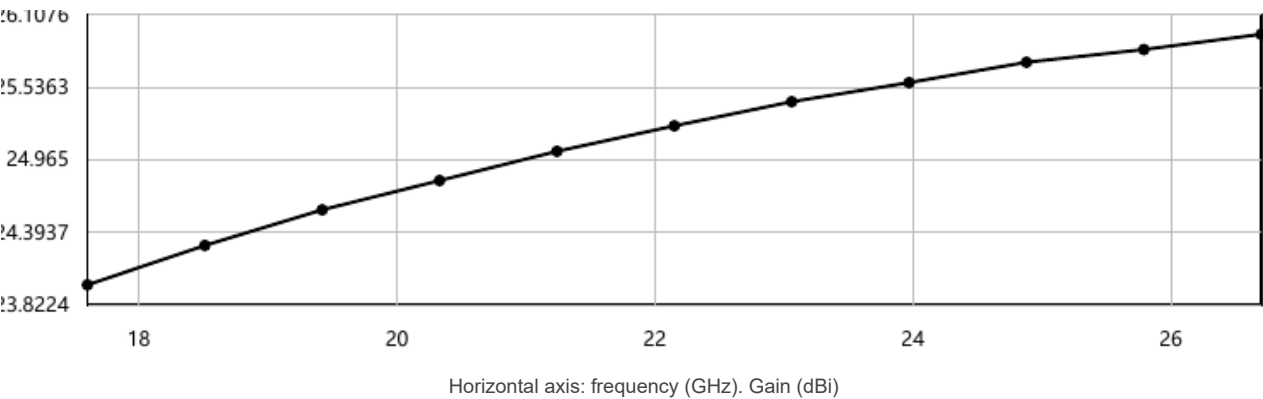
3. Typical Applications

- Millimeter-wave radiated emissions and immunity measurements
- Antenna-factor and field-strength measurement chains
- Broadband transmit and receive measurements

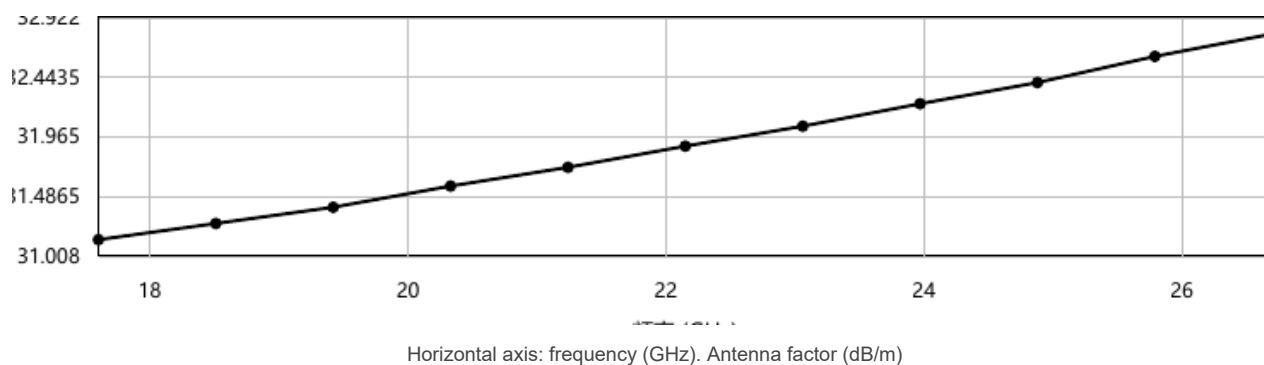
4. Standard Package

Item	Quantity / description
Antenna	1
ZN33113 antenna stand and adapter	Optional
Flexible waveguide, 1 m	Optional
User manual and certificate	1 set

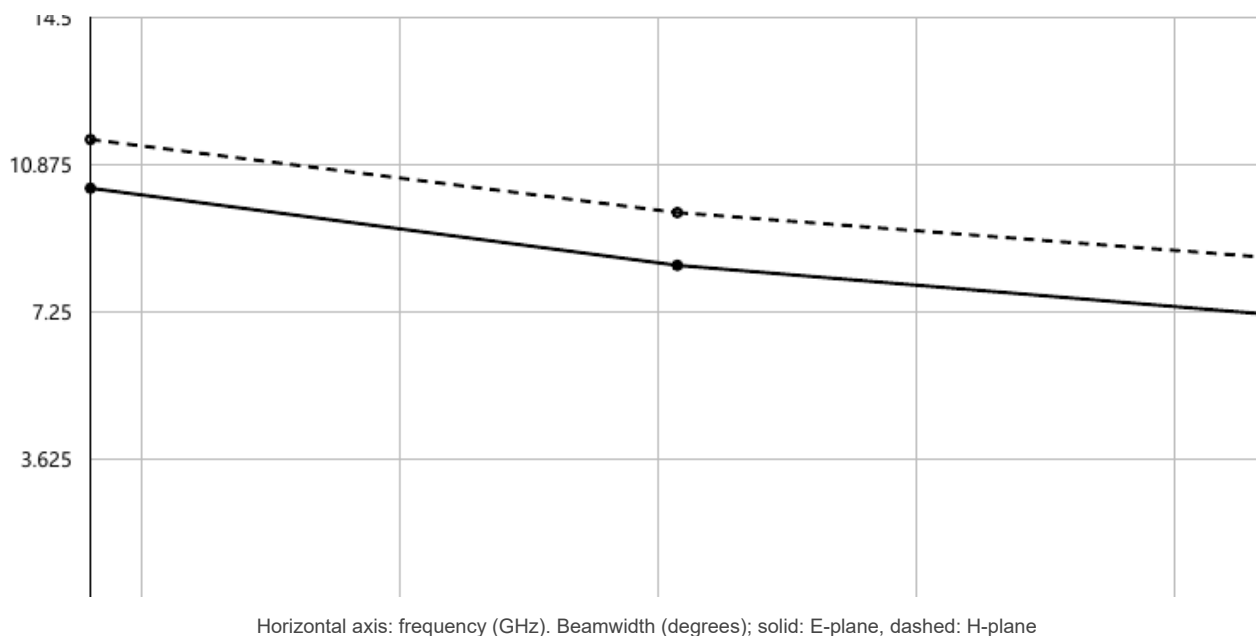
5. Antenna Gain



6. Antenna Factor



7. 3 dB Beamwidth



8. Product Image



Performance curves are reproduced from the original Chinese technical record. No measured points have been interpolated or replaced.