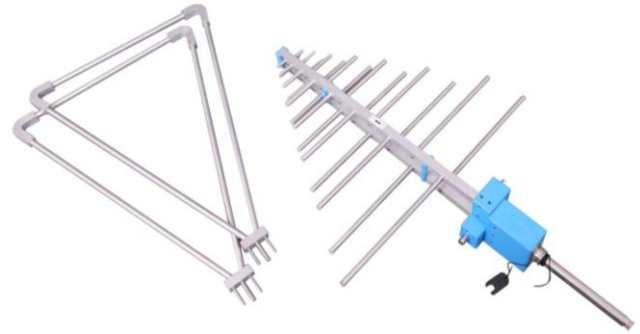


## Features

- **Bicon-log Antenna for EMC /EMI Testing & Tx / Rx applications**
- **Frequency Range : 20MHz – 2GHz**
- **Impedance - 50Ω (Nominal)**
- **Individual calibration as per ANSI 63.5/ CISPR 16-1-6**
- **One year standard warranty.**



## Description

The AN-BI-0320P is a broad-band linearly polarized antenna. The antenna is a combination of bi-conical and log-periodic elements and is engineered to cover the frequency range of the combination (20-2000 MHz). The antenna is suitable for use as an EMI test antenna, for compliance measurements as per most regulatory requirements, covering a frequency range that would otherwise require three separate conventional antennae to cover the same frequency range.

Typical applications of the antenna includes EMC radiated emissions / immunity, site surveys, shielding effectiveness, field monitoring among others.

The antenna is available with N Type female termination. The antenna can be mounted using a 22mm diameter stock, compatible with most EMC masts. Threaded mounting adaptors are also available optionally.

## Specifications\*

Model	<b>AN-BI-0320P</b>
Frequency Range	<b>20 – 2000 MHz</b>
Antenna Factor (dB/m)	<b>4 – 35 (dB/m)</b>
Max Continuous Power	<b>300 W</b>
Polarisation	<b>Linear</b>
Connector Type	<b>N Type Female</b>
Dimensions (L x W x H)	<b>1100 x 1520 x 510 mm</b>
Weight	<b>~4 Kg</b>
Environmental	<b>-20°C to +40°C</b>
Mounting	<b>22mm diameter tube</b>
Applications	<b>Radiated Emission/ Immunity, SE, Site Surveys</b>

\* Nominal values, subject to change without notice.

## Calibration

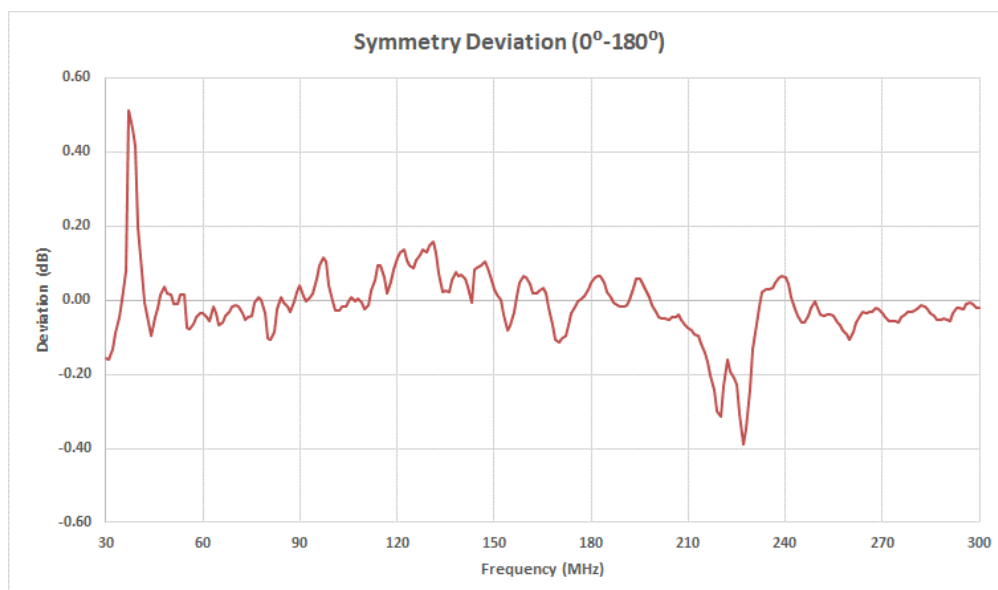
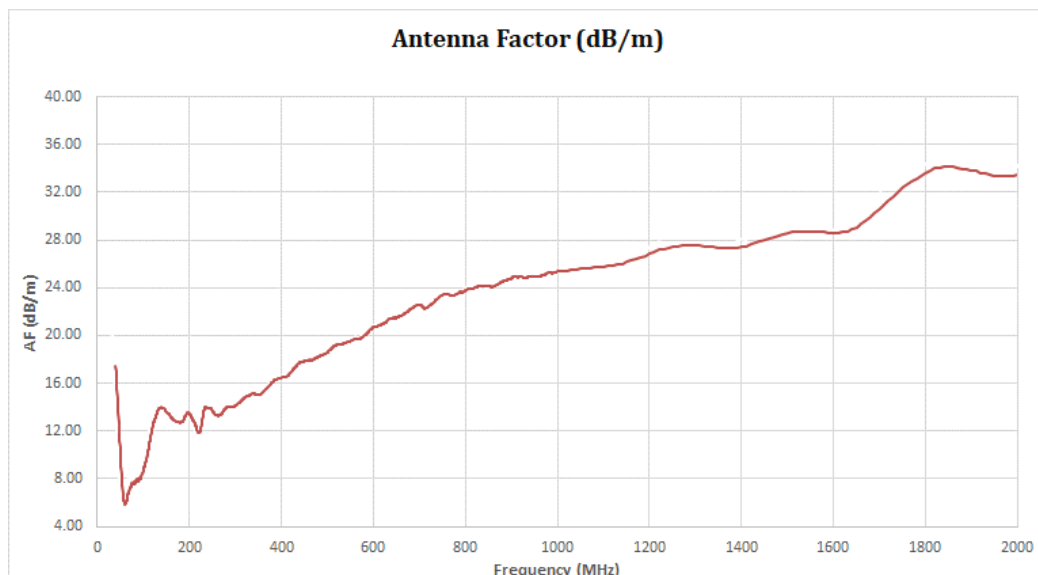
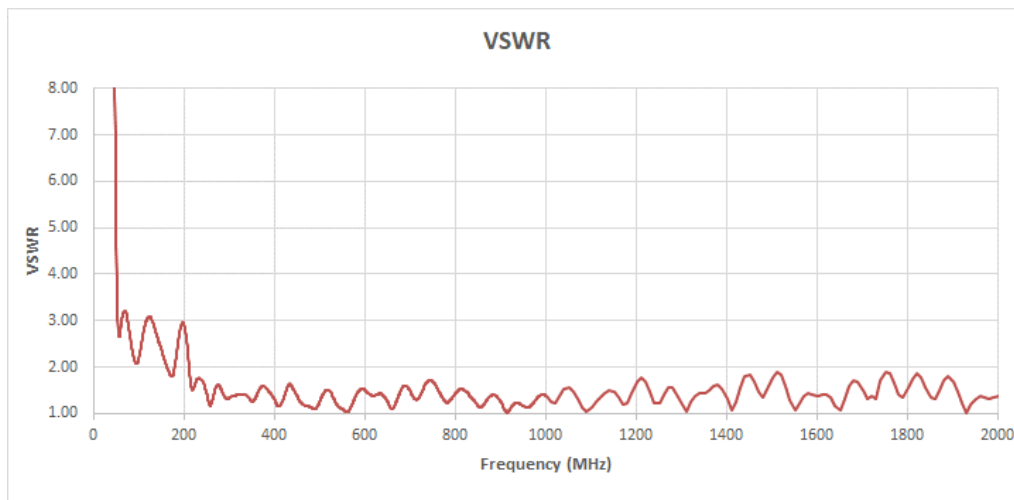
Each antenna is individually calibrated (traceable) at an Open Area Test Site as per ANSI 63.5 or CISPR 16-1-6. 17025 Accredited calibration is available upon request.

## Related Products

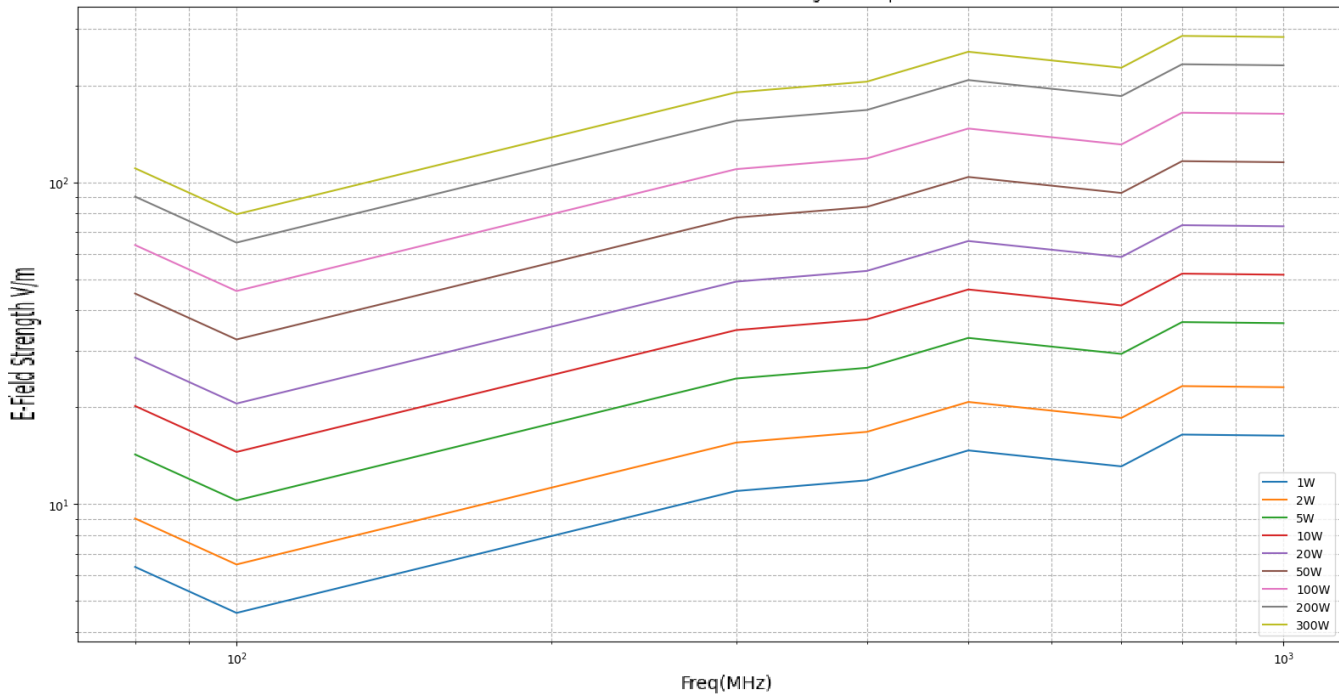
MAS\_FG\_03

Modular telescopic non reflective fibre glass mast

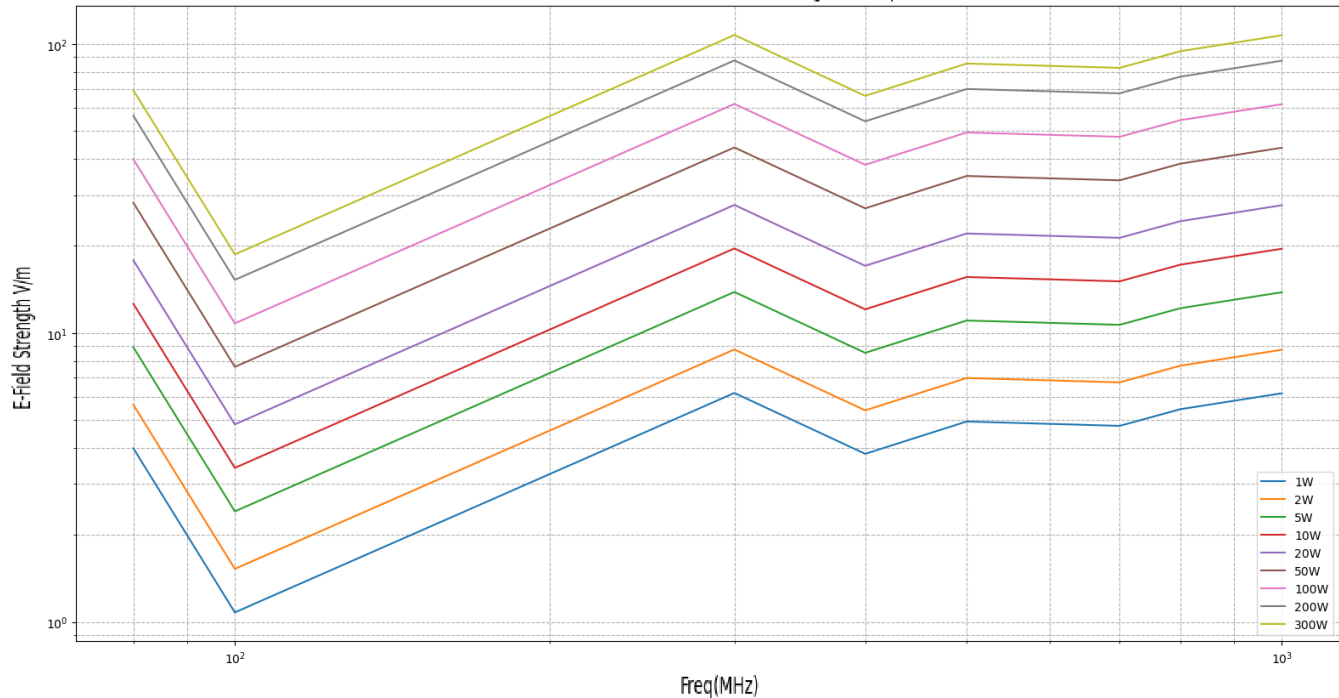
## Typical Antenna Performance



AN-BI-0320P Generated Field Strength 1m Tip EUT



AN-BI-0320P Generated Field Strength 3m Tip EUT



Note : Power indicated is the Forward Power measured at the input to the Antenna connector