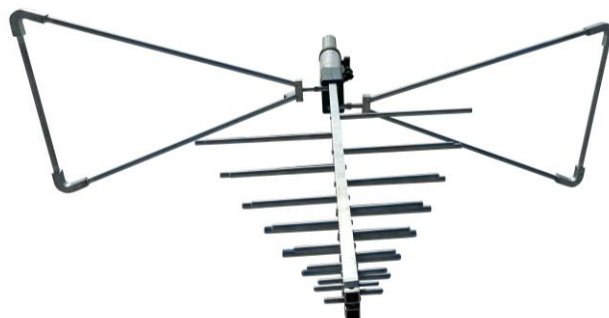


Features

- **Bi-log Antenna for Radiated Immunity Testing & Tx applications**
- **Frequency Range: 30 MHz – 3GHz**
- **Impedance - 50Ω (Nominal)**
- **One-year standard warranty.**
- **Average VSWR (80MHz-3GHz)<2.5**



Description

The AN-BI-0330HP 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 (30-3000 MHz). The antenna is suitable for use as an EMI test antenna, for immunity 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 include EMC radiated immunity, shielding effectiveness etc.

The antenna is available with DIN 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	AN-BI-0330HP
Frequency Range	30 – 3000 MHz (Usable from 20 MHz)
Antenna Factor (dB/m)	4 – 35 (dB/m)
Max Continuous Power	1000 W (30 - 1400MHz) 850W (up-to 3000 MHz)
Polarisation	Linear
Connector Type	DIN Female
Dimensions (L x W x H)	1100 x 1500 x 510 mm
Weight	~4 Kg
Environmental	-20°C to +40°C
Mounting	22mm diameter tube
Applications	Radiated Immunity, SE

* Nominal values, subject to change without notice.

Calibration

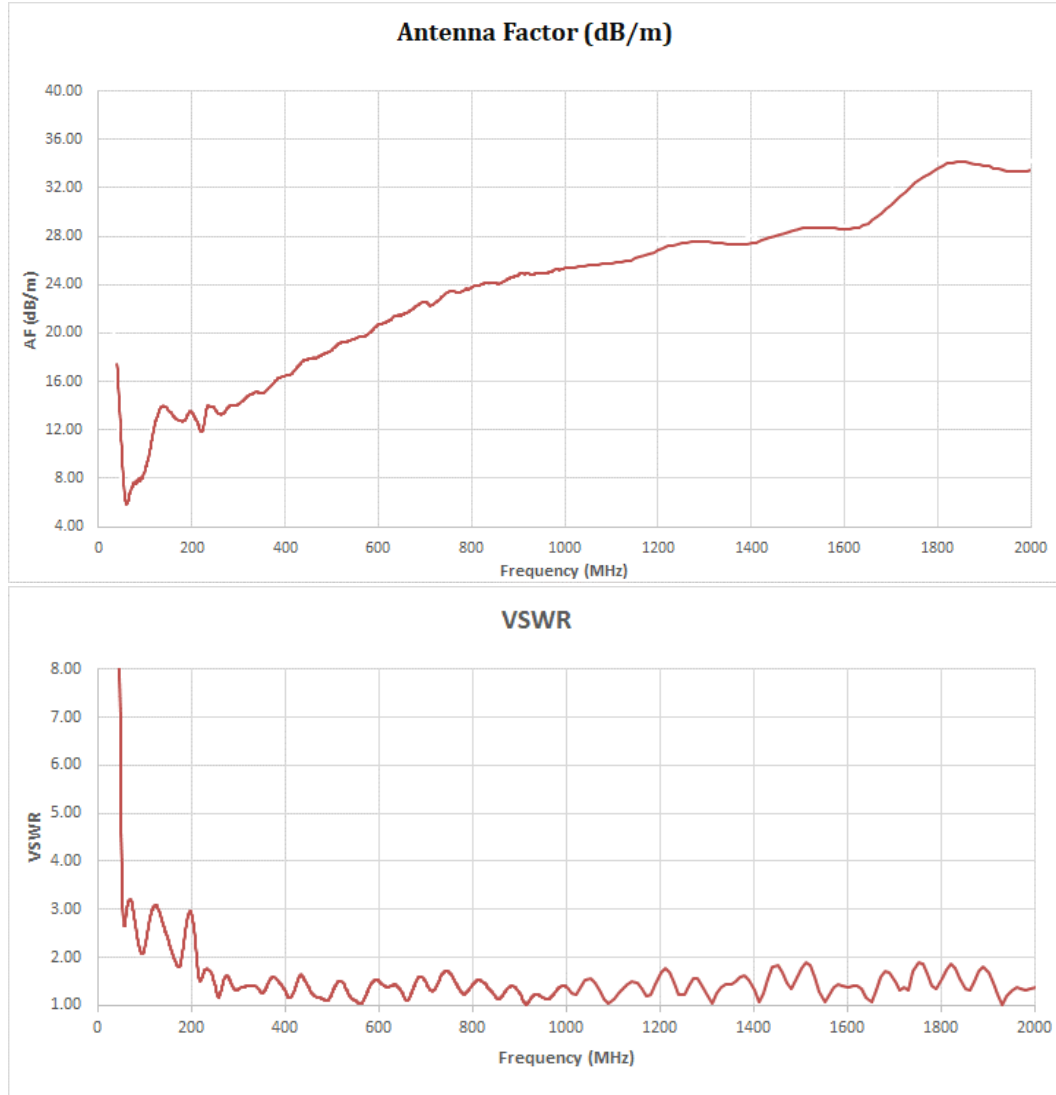
Antenna is individually calibrated (traceable) at an Open Area Test Site as per ANSI 63.5 or CISPR 16-1-6. 17025 Accredited calibration is available upon request.

Related Products

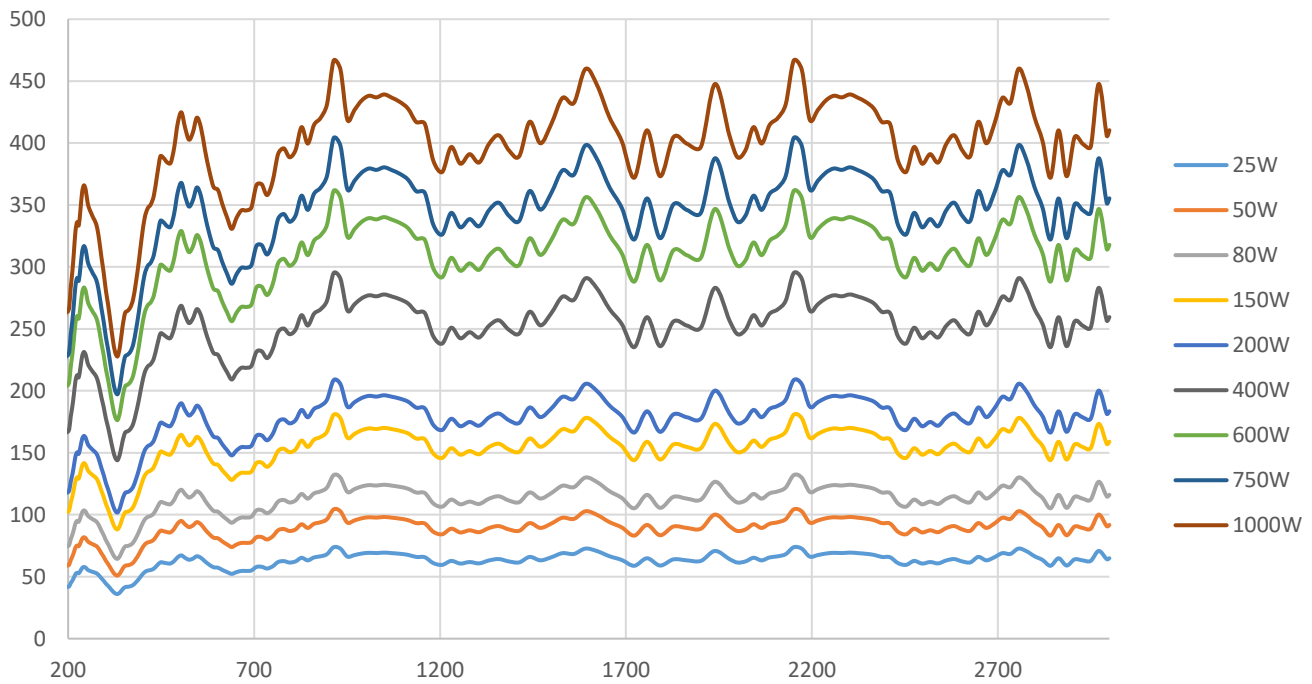
MAS_FG_03

Modular telescopic non reflective fibre glass mast

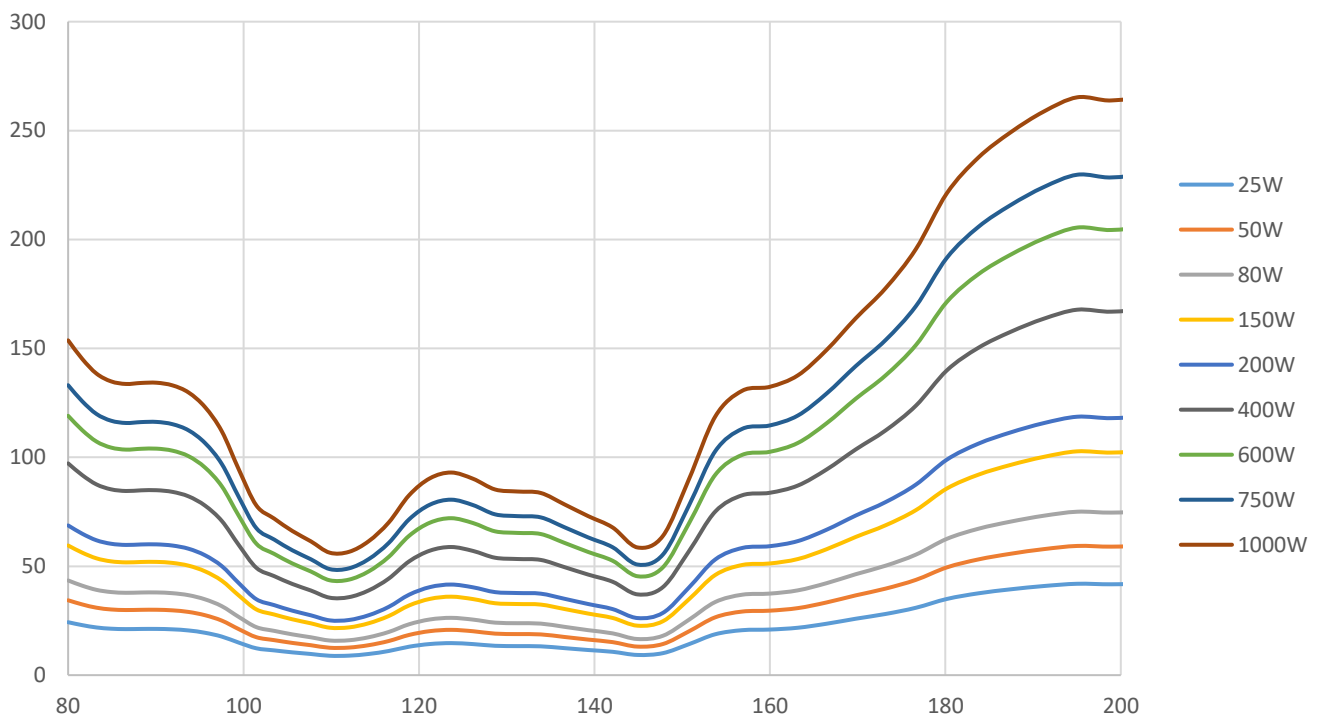
Typical Antenna Performance



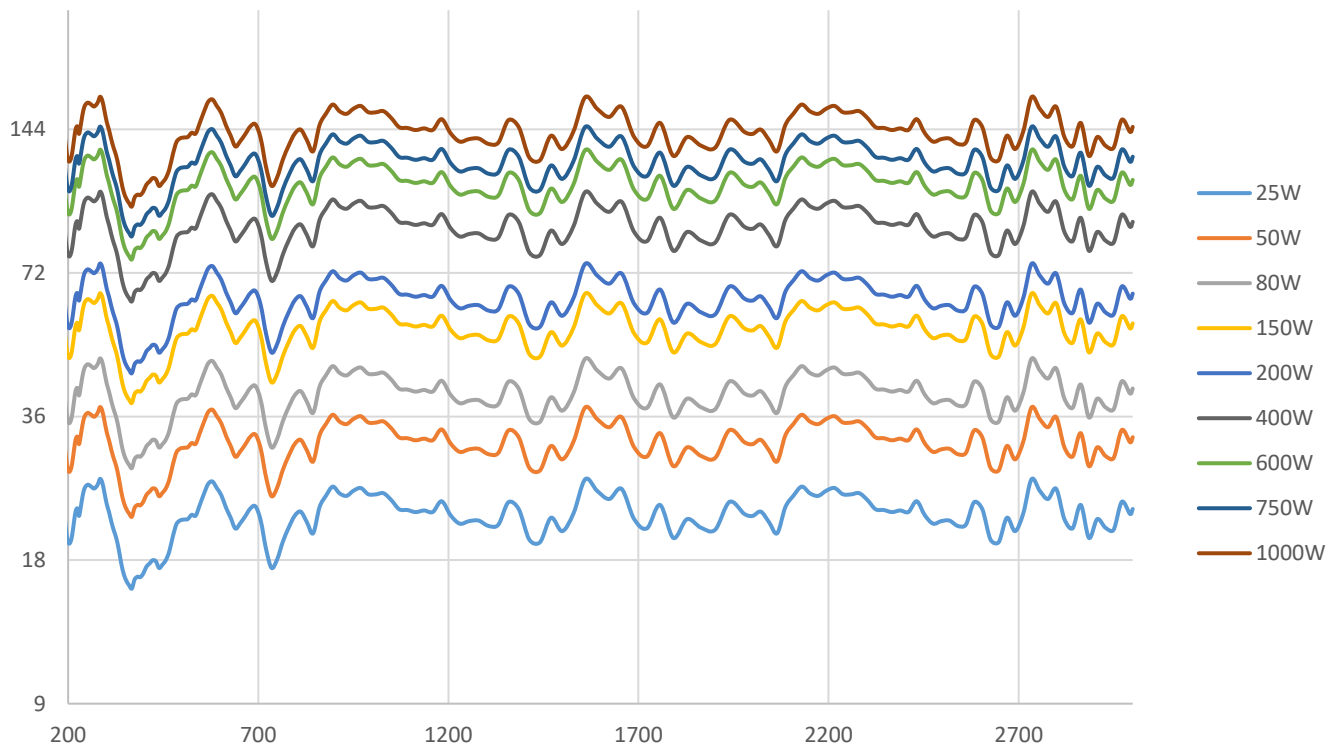
ANBI 0330HP Generated Field Strength 1m Tip EUT



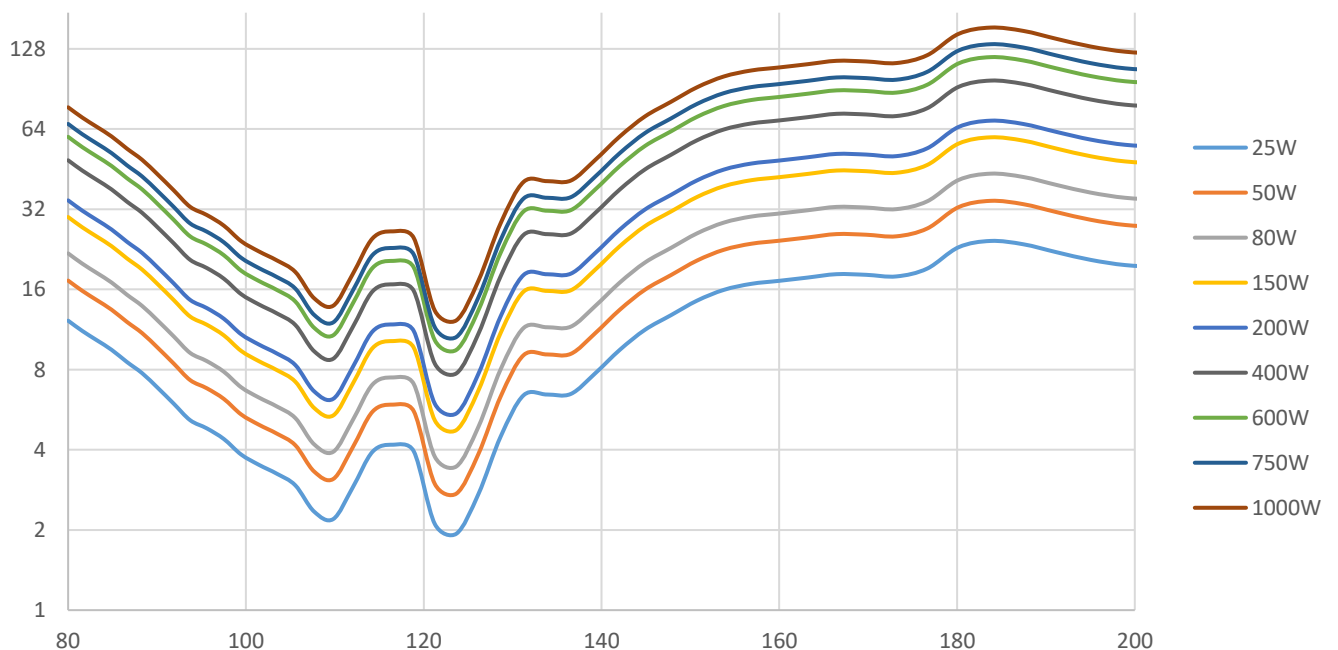
ANBI 0330HP Generated Field Strength 1m Tip EUT



ANBI 0330HP Generated Field Strength 3m Tip EUT



ANBI 0330HP Generated Field Strength 3m Tip EUT



Note : Power indicated is the Forward Power measured at the input to the Antenna connector. Measurements are taken in 6m x 5m x 3.5m chamber in horizontal polarisation. The distances indicated are measured from the tip of the Antenna. Ferrite plates and 0.6m absorbers are placed on ground between the Antenna and Field Probe.