

Features

- **Bi-Conical Antenna for EMC /EMI Testing**
- **Frequency Range : 30 – 300 MHz**
- **Impedance - 50Ω (Nominal)**
- **Precision construction**
- **Material - Aluminium**
- **Individual calibration as per ANSI 63.5 / SAE ARP 958**



Description

The ANB-0230 is a bi-conical dipole antenna, specially designed for EMC/EMI compliance testing in accordance with ANSI/CISPR/SAE ARP test standards. The ruggedized aluminium - cage dipole construction is precision manufactured and tested to conform to the requirements of the standards, with respect to dimensions, antenna factor etc.

An integrated low loss 200:50Ω bal-un, inside the antenna ensures a good impedance match between the antenna elements and the end connector, over a wide range of frequencies.

The antenna is designed for 30 – 300 MHz, but is usable down to 20 MHz

The antenna can be used for Radiated Immunity, Shielding Effectiveness (SE) and other electro-magnetic (EM) field Tx applications.

Specifications*

Model	ANB-0230HP
Frequency Range	30 – 300 MHz
Impedance	50 Ω
Average VSWR (80-300MHz)	<=2.5:1
Antenna Factor (dB/m)	7 – 25 (dB/m)
Max input Power	1000 watt
Polarisation	Linear (V/H)
Connector Type	N female
Dimensions	1320 X 960 x 520 mm
Weight	2.35 Kg
Environmental	-20°C to +40°C
Mounting	22mm diameter tube
Applications	Radiated Immunity, SE, EM Field Tx Applications

* Nominal values, subject to change without notice.

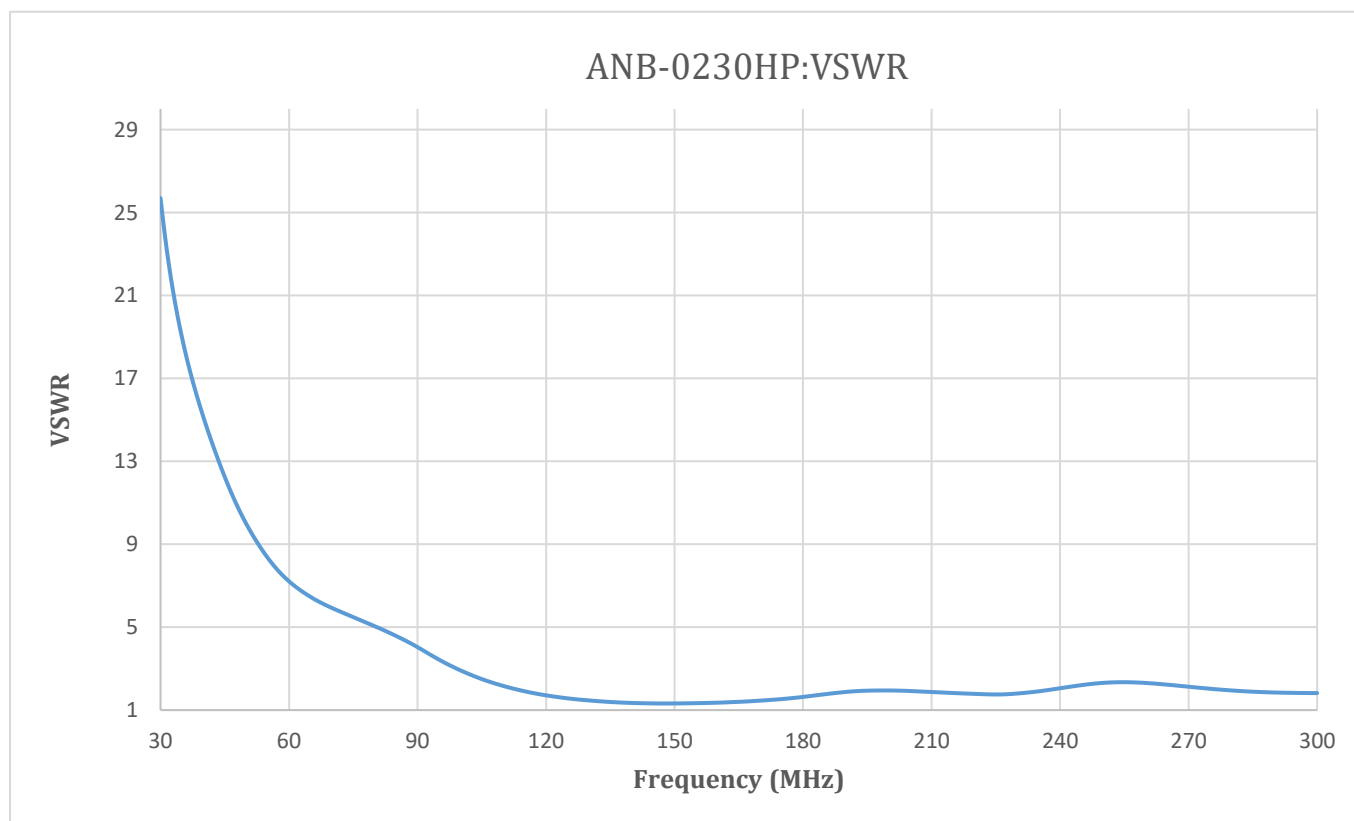
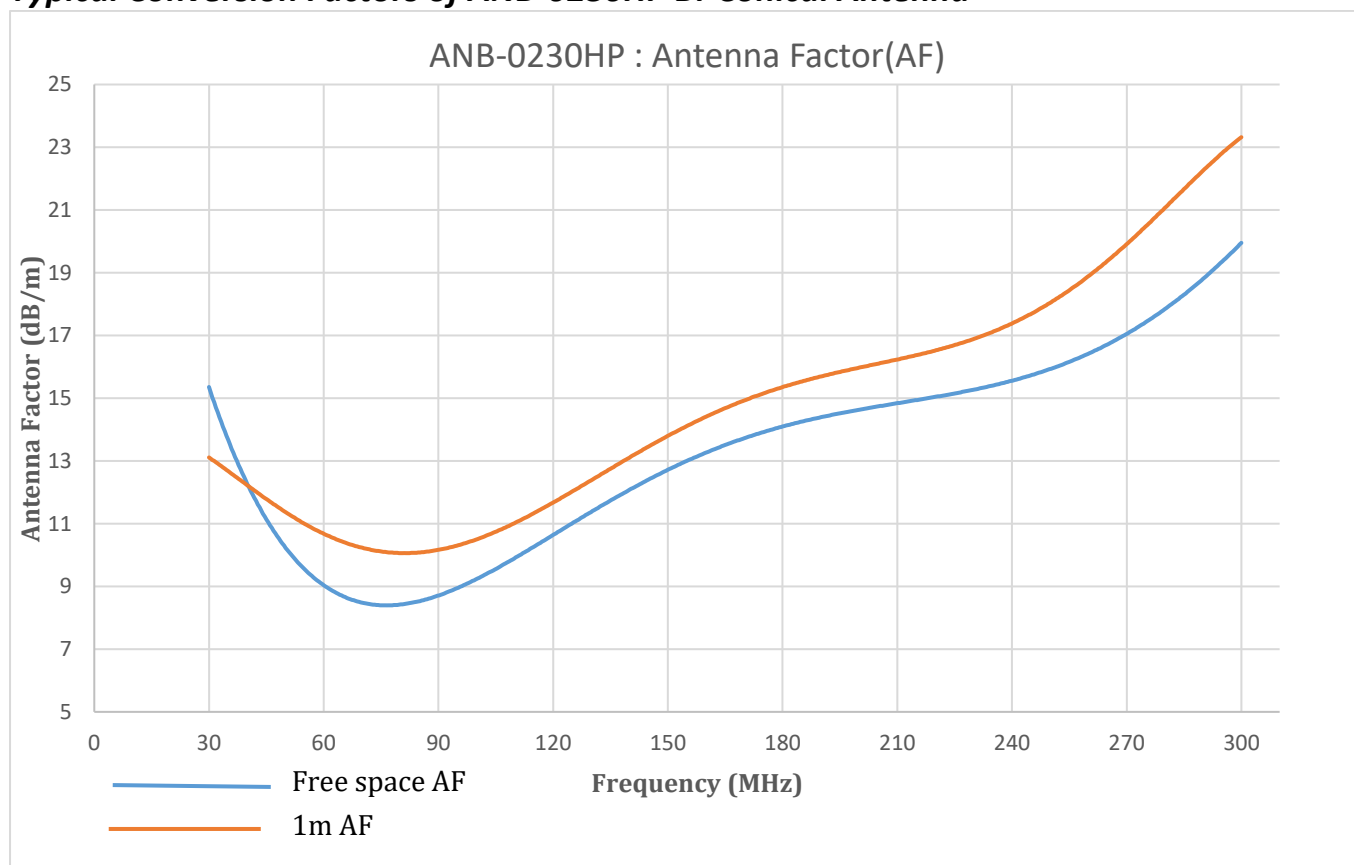
Calibration

Each antenna is individually calibrated (traceable) at an Open Area Test Site as per ANSI 63.5 or SAE ARP 958. 17025 Accredited calibration is available upon request.

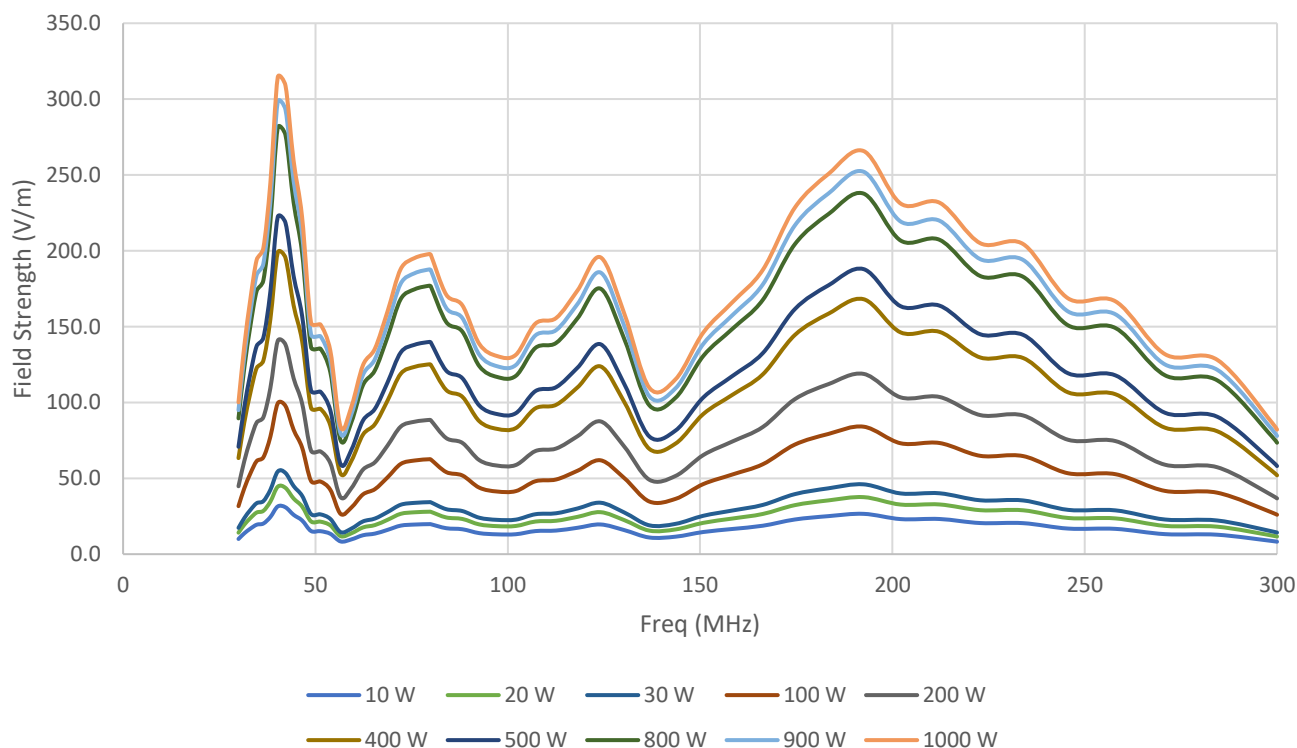
Related Products

MAS_FG_03

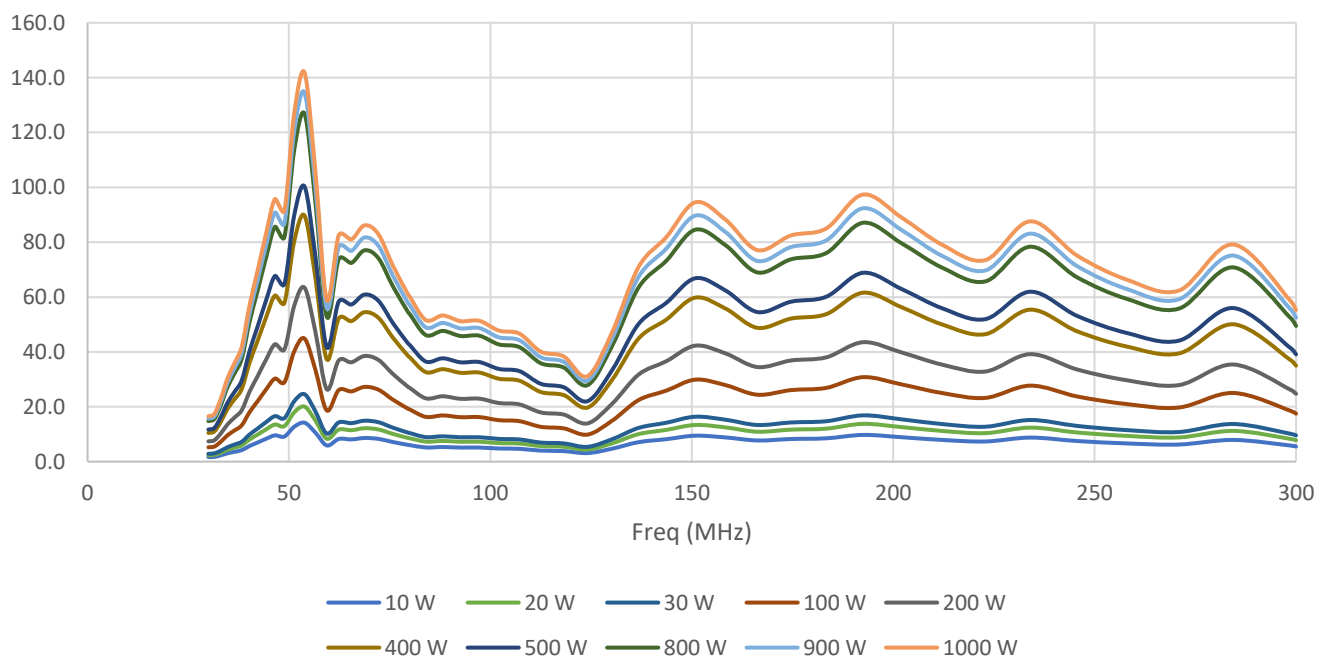
Modular telescopic non reflective fibre glass mast

Typical Conversion Factors of ANB-0230HP Bi-Conical Antenna

Field Strength @ 1m



Field Strength @ 3m



Note : Power indicated is the Forward Power measured at the input to the Antenna connector. Measurements are taken in 6mx5mx3.5m chamber in vertical polarisation.