Bi-Conical Antenna

ANB-0230

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***
- ***Average VSWR (80-300Mz): <2.5***

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 and symmetry.

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 Radiation Emissions, Normalized Site Attenuation (NSA), Shielding Effectiveness (SE) and other electro-magnetic (EM) field measurement applications.

Specifications*

Model	***ANB-0230***
Frequency Range	***30 – 300 MHz***
Impedance	***50 Ω***
Antenna Factor (dB/m)	***7 – 25 (dB/m)***
Symmetry	***< 1dB***
Max input Power	***100 watt***
Polarisation	***Linear (V/H)***
Connector Type	***N female***
Dimensions	***1320 X 865 mm***
Weight	***2.0 Kg***
Environmental	***-20°C to +40°C***
Mounting	***22mm diameter tube***
Applications	***Radiated Emissions, NSA, SE, EM Field monitoring.***

* *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

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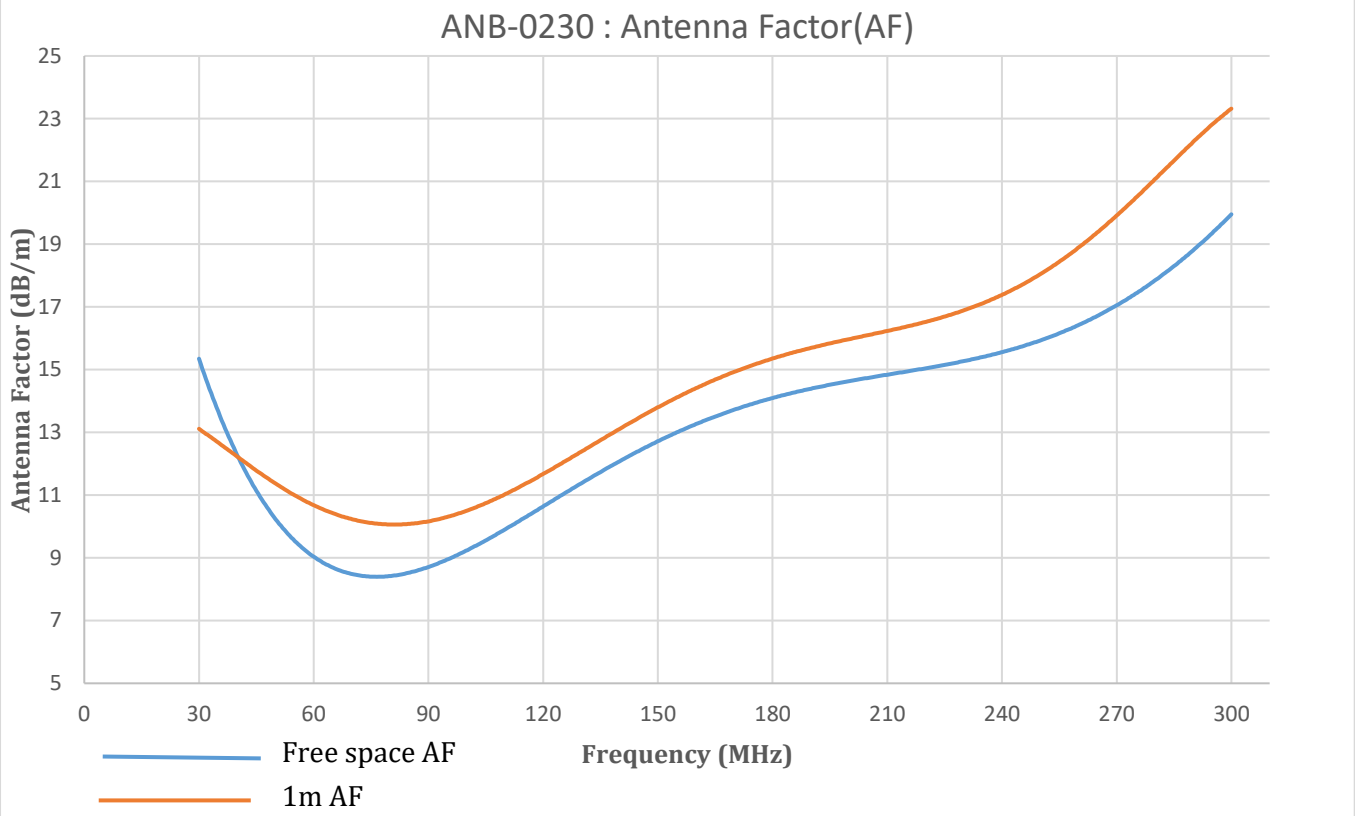
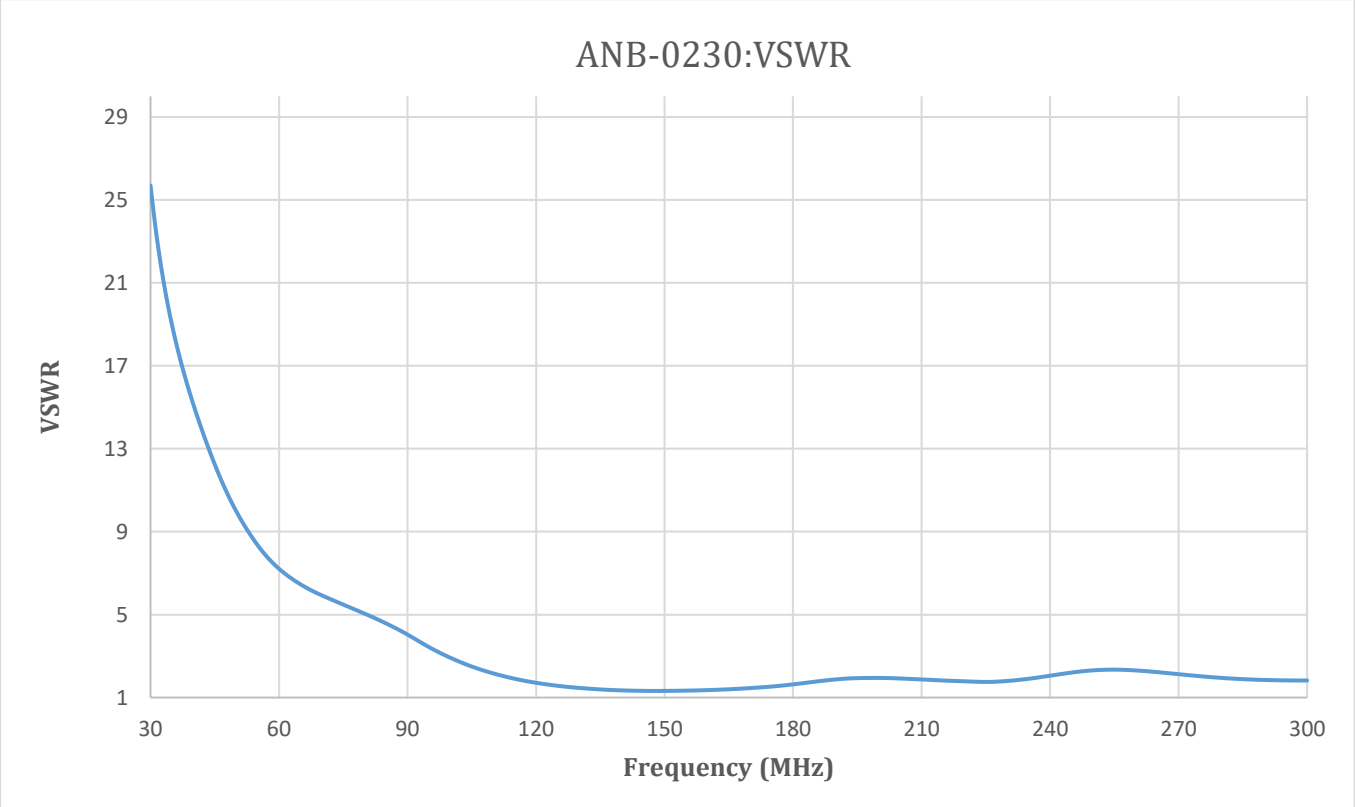
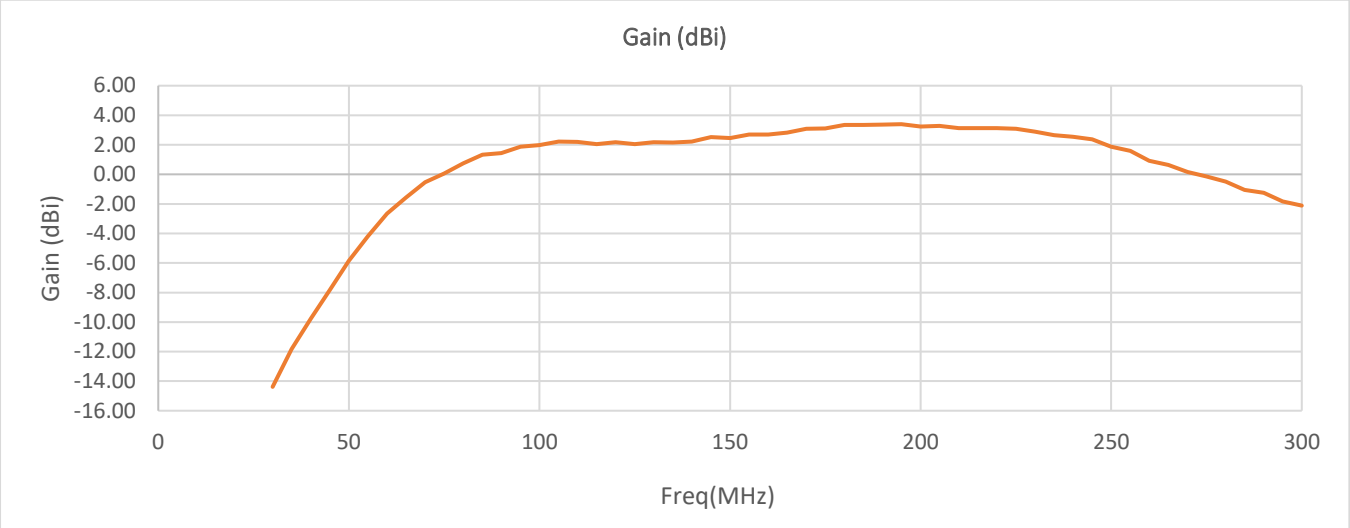
Typical Conversion Factors of ANB-0230 Bi-Conical Antenna






Gain (dBi)
6.00
4.00
2.00
0.00
-2.00
-4.00
-6.00
-8.00
-10.00
-12.00
-14.00
-16.00
Gain (dBi)
0
50
100
150
200
250
300
Freq(MHz)