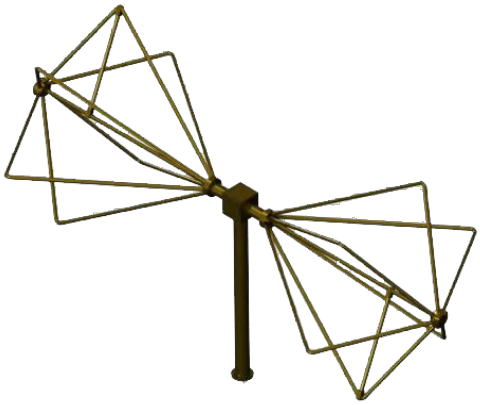
Product Datasheet

Product ID: OBC-150M1000M-5W-1

Biconical Antenna

OBC-150M1000M-5W-1



Biconical antenna is a vertically polarized omnidirectional antenna. Its frequency range is 150 MHz to 1000 MHz. its pattern stability is better.Biconical antenna model OBC-150M1000M-5W-1 is used for transmission and immunity test to meet various EMC standards. Its broadband characteristics make it an ideal choice for a wide range of EMI testing applications, including demonstrating compliance with FCC, CE, MIL-STD, RTCADO-160 andother requirements.

OBC-150M1000M-5W-1 bi conical EMC broadband antenna has durable aluminum alloy, and we powder coated them to improve corrosion resistance.

The OBC-150M1000M-5W-1 model is used for radiation and immunity testing to meet various EMC standards. Its frequency range is 150 MHz to 1000 MHz. The broadband characteristic of bi conical antenna makes it an idealchoice for scanning measurement and automatic measurement systems.Biconical antennas can be used for manyapplications, in which half-wavedipoles have been used traditionally.An enourmous reduction of measurementtime can be achieved,because the time consuming tuning of the antenna elements to the half wavelength is notneeded, an important condition for sweeped broadband measurements. In typical dipole applications severaldiscrete frequencies are measured, in contrast the bi conical antenna allows continuous sweeps, where siteanomalies are discovered much easier.

Notwithstanding the above applications, the OBC-150M1000M-5W-1 can also be used for test site comparisons, shielding effectiveness tests of large enclosures, field monitoring, site surveys and other general purposes.

Features

- Low return loss
- Linear gain with frequency
- EMC and EMI testing
- Radio link testing

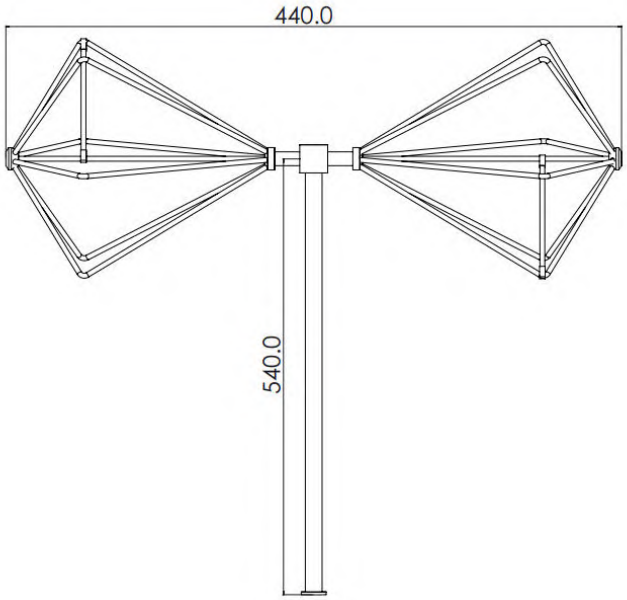
Applications

- Broadband RX-Antenna for Emission Testing
- TX-Antenna for Immunity testing
- especially at low frequencies

Electrical Specifications

Frequency Range	（150-1000） MHz
Nominal Impedance	50Ω
Polarization	Linear
Connector	N type female
power Handling	5 W
VSWR	2.0:1
Impedance	50 Ohms
Pattern Type	Omnidirectional
Length (mm)	440
Balun TypeTransform.Ratio	1:1

Product Dimensions



Free-Space Calibration,DAF <±0,7dB, 50 ohm test system, far-field = 3m