

Biconical Antenna



OBC-20180-50W

Biconical antenna is a vertically polarized omnidirectional antenna. Its frequency range is 2 GHz to 18 GHz. its pattern stability is better.Biconical antenna model OBC-20180-50W is used for transmission andimmunity test to meet various EMC standards. Its broadband characteristics make it an ideal choice for a widerange of EMI testing applications, including demonstrating compliance with FCC, CE, MIL-STD, RTCA DO-160 and other requirements.

OBC-20180-50W biconical EMC broadband antenna has durable aluminum alloy, and we powder coated them to improve corrosion resistance.

The OBC-20180-50W model is used for radiation and immunity testing to meet various EMC standards. Its frequency range is 2 GHz to18 G Hz. The broadband characteristic of bi conical antenna makes it an ideal choice 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 swept 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-20180-50W 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	(2000-18000) MHz
Nominal Impedance	50Ω
Polarization	Linear
Connector	SMA - K
power Handling	50 W
VSWR	2.0:1
Impedance	50 Ohms
Pattern Type	Omnidirectional

Product Dimensions

