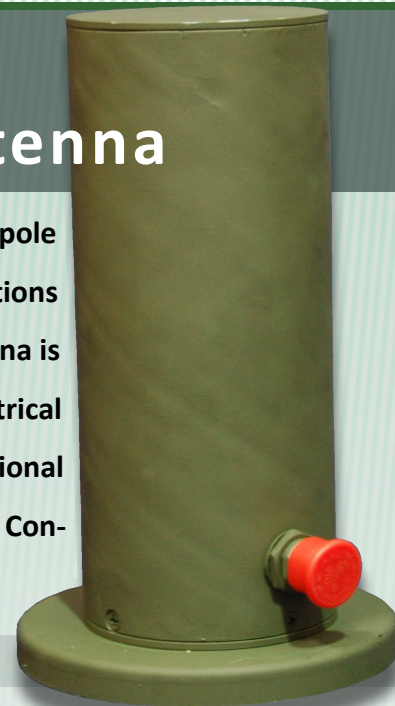


BC-0300

Wideband Omni-Directional Antenna

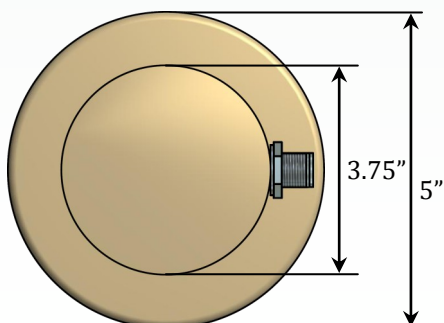
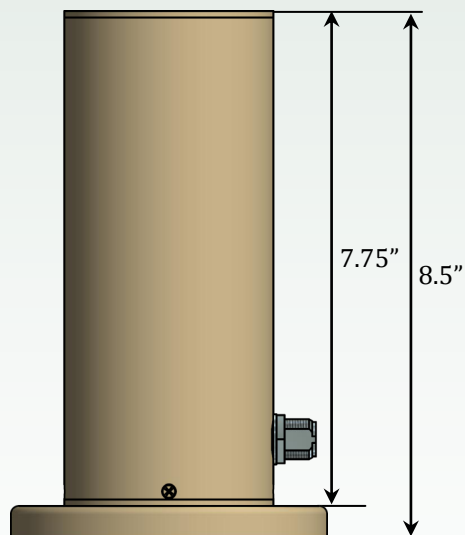
The BC-0300 antenna is a wide-band, electrically small biconical monopole antenna designed for low frequency testing and wideband communications systems, eliminating the need for large antennas or tuning systems. The antenna is housed and sealed in a rugged radome to ensure long life and electrical repeatability. A magnetic surface mount is included with the antenna. Optional connector, power and mounting configurations are available for this antenna. Contact a TMC Design representative for customization options.



FEATURES

- Lightweight
- 360 degree coverage
- Quick and easy to setup
- Durable fiberglass construction
- Magnetic base included

SPECIFICATIONS



Type	Biconical
Frequency Range	500 to 3000 MHz
Gain	3.5 dB avg.
Polarization	Linear (Vertical)
HPBW	360° x 85°
Maximum Power	100W, CW
Maximum VSWR	3:1
Connector	N-type
Height	8.5" -w- magnet mount 7.75" -w/o- magnet mount
Diameter	5" -w- magnet mount 3.75" -w/o- magnet mount
Weight	4 lbs



BICONICAL



OMNI-DIRECTIONAL



500 TO 3000 MHz



LINEAR

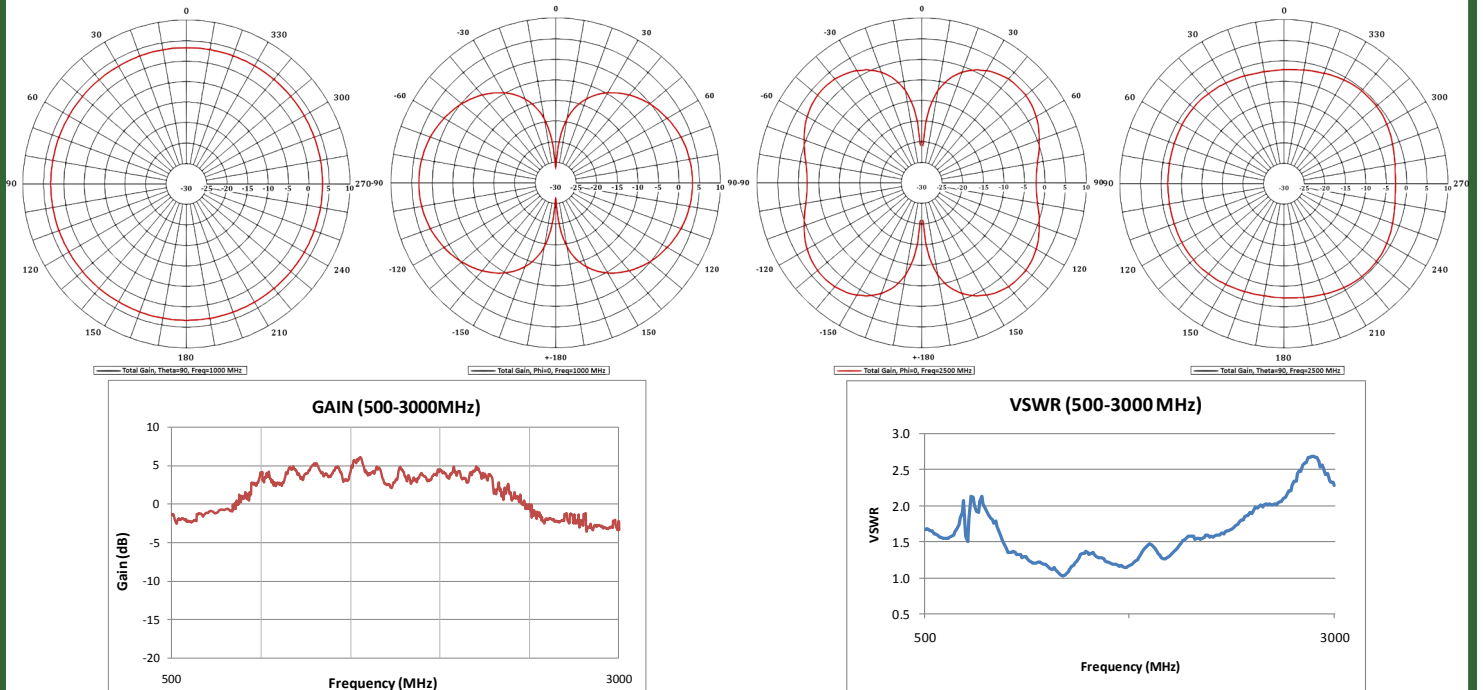


TMC Design Corporation

BC-0300

Wideband Communications Antenna

PERFORMANCE



CUSTOMIZING YOUR BC-0300 ANTENNA

MOUNTING OPTIONS

The BC-0300 antenna comes with a magnetic mount; ready for use in mobile applications. If a magnetic mount will not suit your application, the BC-0300 can be modified to be mounted in a manner that best fits your requirements. Other options include tripods, antenna towers, and solar-powered mount systems for remote and long-term operation.

COLOR OPTIONS



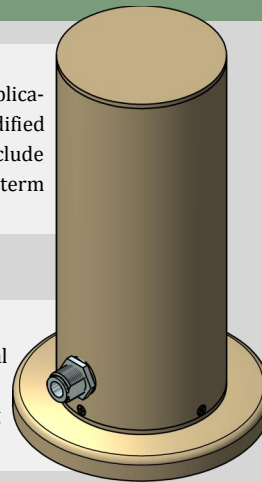
A variety of paint options are available to fulfill your coating requirements. Federal Standard 595B colors, Chemical Agent Resistant Coating (CARC) or spot color schemes are available. Contact a TMC Design representative to specify coating options (*most popular colors shown above*).

RF MATING OPTIONS

All TMC Design antennas can be modified to include an RF connector that best fits your application. Be sure to specify the connector that is needed or ask one of our representatives for assistance in finding an RF mating solution that will best fit your requirements.

HIGH-POWER OPTIONS

To increase range and improve reception, most TMC Design antennas can be modified operate in high-power applications.



TMC Design Headquarters

4325 Del Rey Blvd.
Las Cruces, NM 88012
(tel) 575-382-4600
(fax) 575-523-8588

TMC Design Space Operations Center

7765 Electronic Drive
Colorado Springs, CO 80922
(tel) 719-622-0130
(fax) 719-622-0134

TMC Design Space Planning & Tactics

5030 Bradford Drive
Building 1, Suite 230
Huntsville, AL 35805
(tel) 256-830-4055
(fax) 256-830-4066

www.tmcdesign.com

tmc@tmcdesign.com



**AS9100B
KEMA CERTIFIED**

Accredited by
ANAB



**ISO9001:2000
KEMA CERTIFIED**

Accredited by
ANAB

February 2011, Rev.1