

BF-550-72 Dish Antenna

TMC Design's newest dish antenna, the BF-550-72 is an ideal directive L-band solution. This antenna's design includes a vari-pol feed that allows it to operate in either left-hand or right-hand circular polarization.

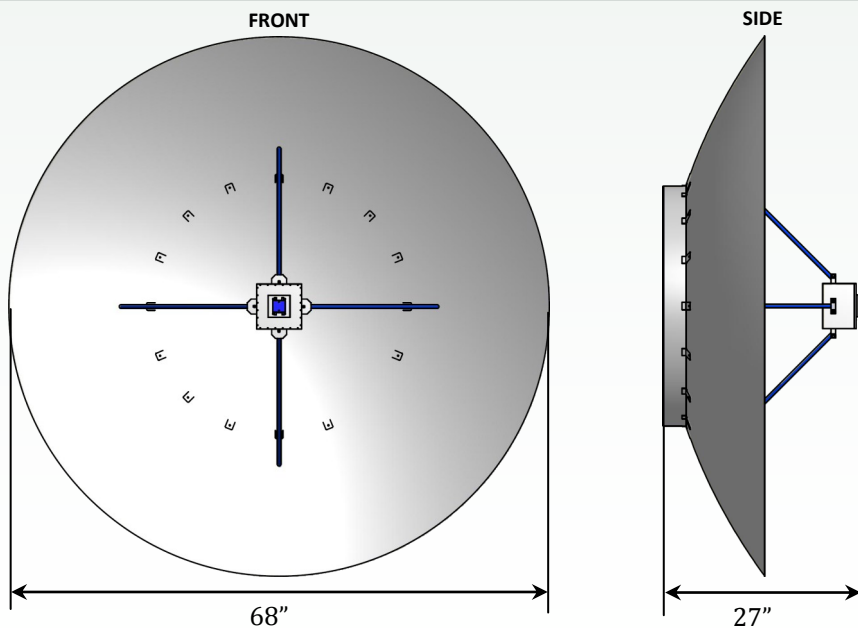
The dish is approximately 5 feet in diameter and is available with a variety of mounting options.



FEATURES

- Bandwidth applications include GPS (Global Positioning Systems), wireless medical telemetry, and cell-phone communications
- Highly directive for point-to-point applications
- Narrow beamwidth
- 24 dBi gain at 1.5 GHz
- Designed for operations in right-hand and left-hand circular polarization
- Delivery services available to provide site surveys, mounting and installation assistance
- The BF-550-72 is designed to operate under rigorous conditions and environments.
- All TMC Design antennas are designed and manufactured under with the auspices of our AS9100/ISO9000-certified quality management program

SPECIFICATIONS



Type	Parabolic Dish
Frequency Range	1 to 2 GHz
Gain	24 dB @ 1.5 GHz
Polarization	Circular or Linear
HPBW	8.28°
Maximum Power	20 Watts, CW
Maximum VSWR	2:1
Connector	SMA
Height	27"
Width	68"
Weight	20 lbs



PARABOLIC DISH



DIRECTIONAL



1 TO 2 GHz

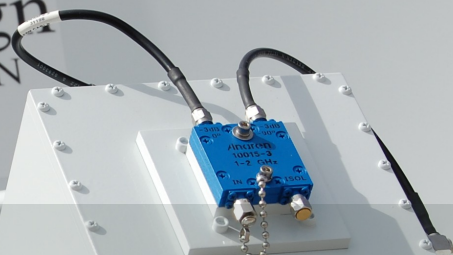


CIRCULAR/LINEAR

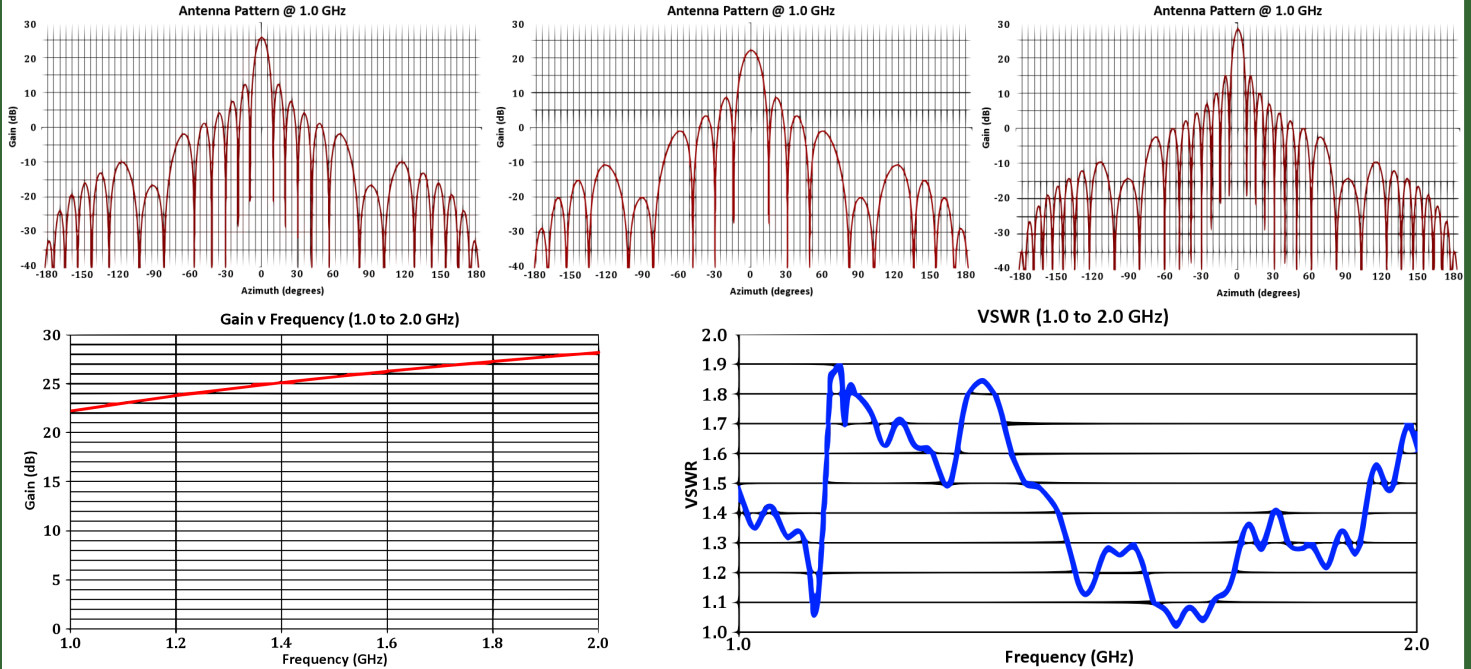


TMC Design Corporation

BF-550-72 TMC Design Corporation Dish Antenna



PERFORMANCE



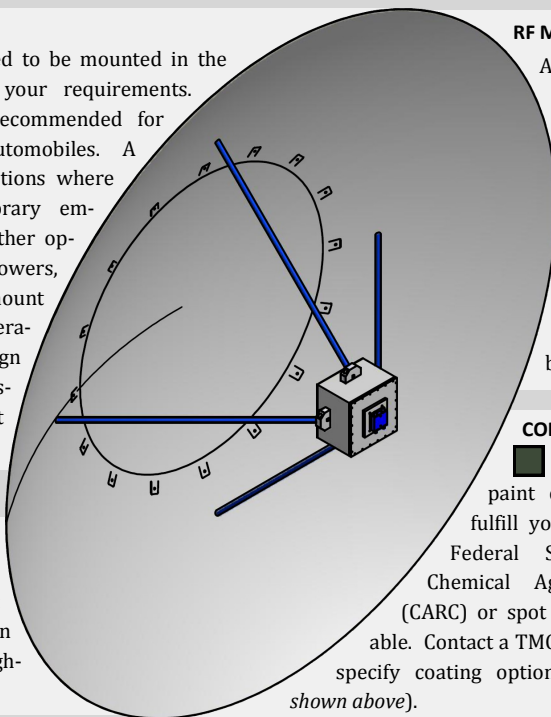
CUSTOMIZING YOUR BF-550-27 ANTENNA

MOUNTING OPTIONS

Antennas can be modified to be mounted in the manner that best fits your requirements. Magnetic mounts are recommended for applications involving automobiles. A tripod will best fit situations where quick-setup and temporary emplacement necessary. Other options include antenna towers, and solar-powered mount systems for remote operation. Contact a TMC Design representative for assistance in choosing the best mounting option.

HIGH-POWER OPTIONS

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



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.

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*).



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
tmcad@tmcdesign.com



April 2010, Rev.1