

BM-01

A very wide band antenna, the BM-01 has a small design for low frequency testing and wideband communication systems where larger antennas and tuning systems are not an option.



BM-03A

Proven to withstand the rigors of combat, this antenna serves as a part of TMC Design's mobile jamming systems. The BM-03A is a very wide band bi-conical monopole transmit receive antenna contained within a rugged sealed radome.



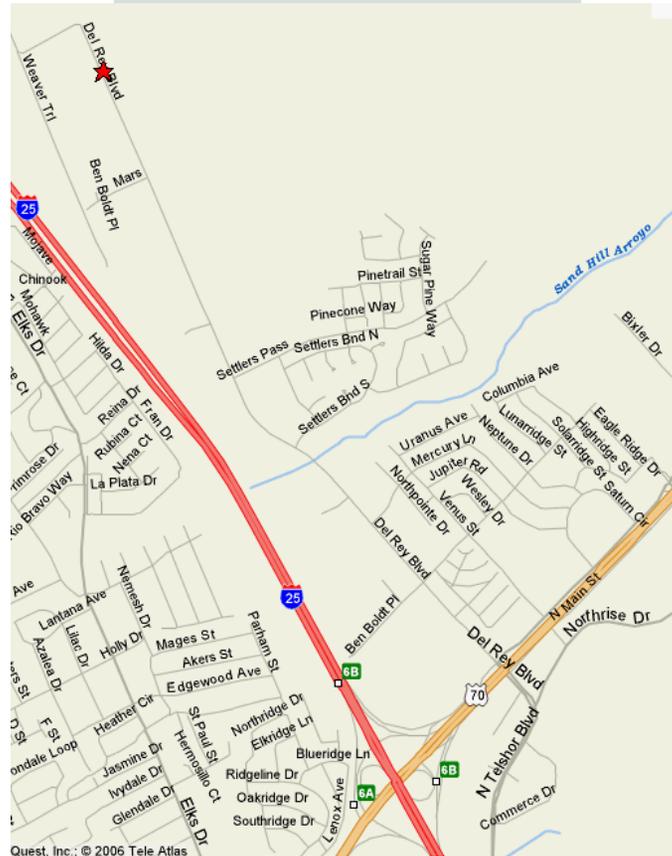
BM-04

The BM-04 is an electrically small antenna designed to allow coverage of the VHF/FM communications band (30 to 88 MHz) without the need for tuning systems. This rugged antenna is easily shipped/stored and can be set up and operational within a matter of minutes.



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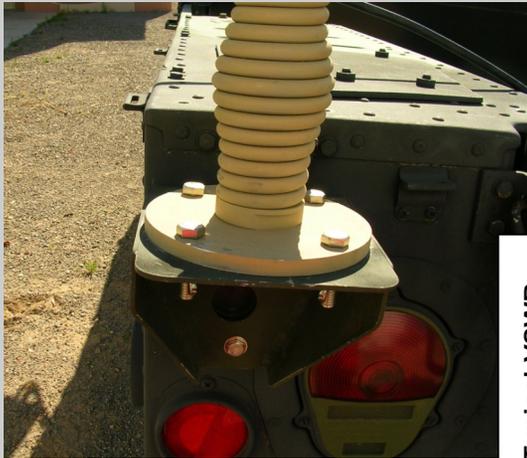
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Mounted
Wide
Band
Communications
Antenna



BM-03MM Mounted Wide Band Electronic Warfare Antenna

The BM-03MM is a wide-band, small bi-conical transmit & receive antenna contained within a rugged, sealed fiberglass dome. The antenna is mounted to an HMMWV and connected to a vehicle-based jammer. Different mounting options are available. Call for more information on complete systems design and fabrication.



Using standard tools, the BM-03MM can be easily mounted and connected to an HMMWV within minutes.

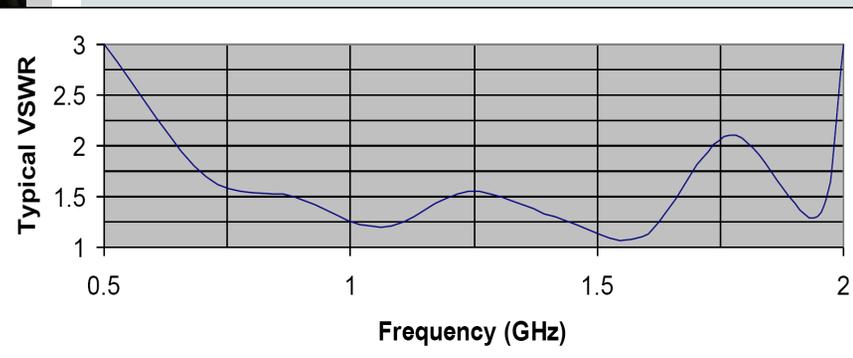
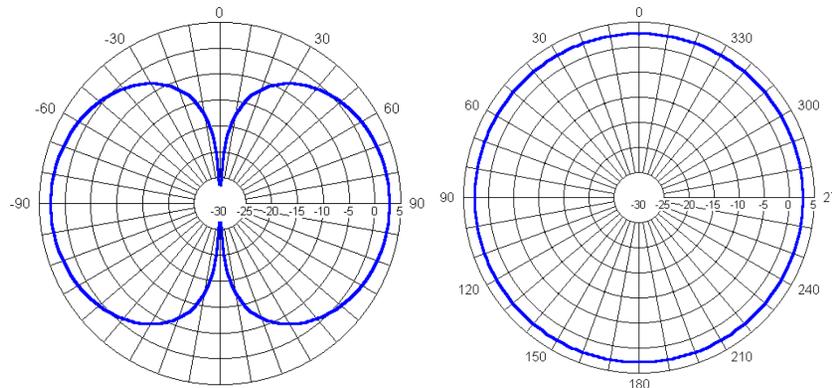
Specifications

Functional

Model: BM-03MM
Frequency: 500 to 2000 MHz
Gain: 4 dB (F₀)
Power: 100 Watts (CW)
Polarization: Linear (vertical)
VSWR: 3.0:1.0 (maximum)
Beamwidth 360 x 85 degrees (F₀)

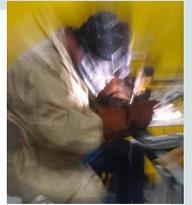
Mechanical

Dimensions (Unit): 5 1/2"l x 5 1/2"w x 64 5/6"h
Dimensions (Antenna): 3 1/4"l x 3 1/4"w x 13 1/2" h
Weight: 12 lbs
Temperature: -40° to +50° C
Environment: Full 810 military environmental shock; temp & vibs testing performed
Connector: Type-N



Manufacturing

All antennas are designed, machined and assembled in house at the TMC Design Corporation headquarters in Las Cruces, NM. Our in-house design, fabrication, test and manufacturing capabilities allow us to provide quick and cost-effective solutions to our customers.



Support

TMC Design will deliver the antenna (with pedestal) to the customer desired site. TMC Design also provides optional Field engineering and Site Support. System drawings and manuals are delivered to the customer as part of the system.

A BM-03MM shown, mounted on the rear of an HMMWV.



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