

# BM-04 Biconical Monopole Antenna

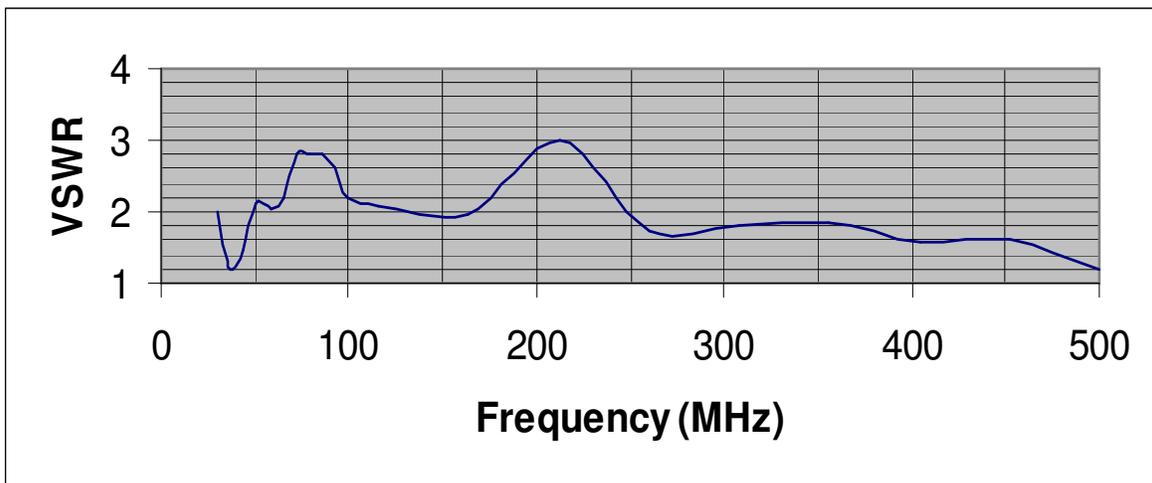
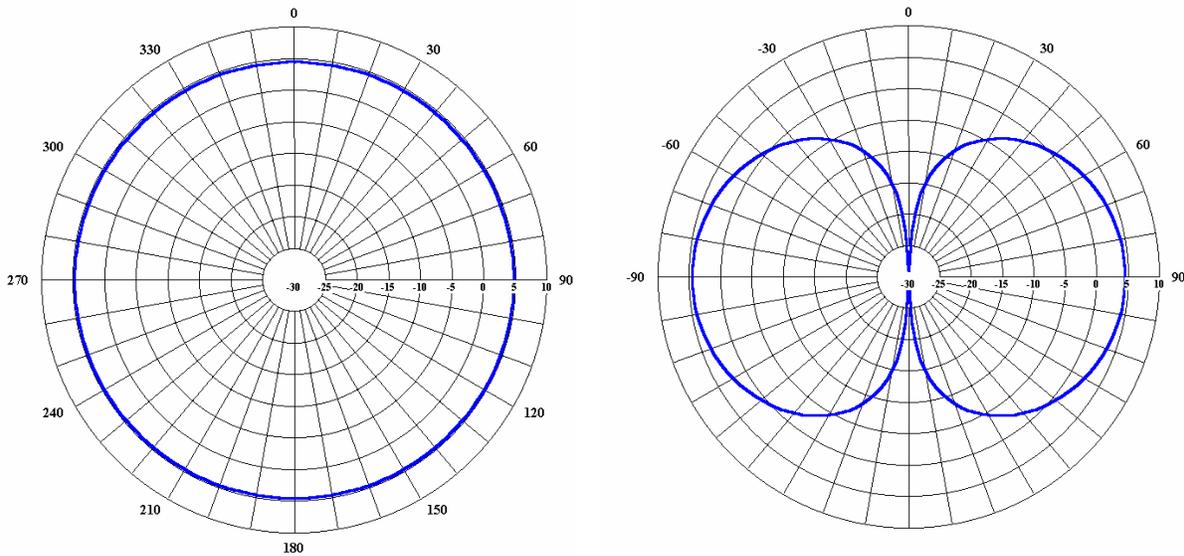


**BM-04**  
Communications Antenna

The BM-04 is a very wide band, electrically small biconical monopole antenna designed to allow coverage of the VHF/FM communications band (30-88 MHz) without need of tuning systems. The very wide bandwidth will also transmit fast rise pulses with high fidelity for HPM operations. This rugged antenna is portable and easily shipped/stored and can be set up and operational in a matter of minutes. Guy kit included for outdoor operation in high winds.

## Electrical Specifications

<b>Model:</b>	<b>BM-04</b>
<b>Frequency:</b>	<b>30-500 MHz</b>
<b>Gain:</b>	<b>4 dB (center frequency)</b>
<b>Polarization:</b>	<b>Linear (typically vertical)</b>
<b>VSWR:</b>	<b>2.8:1 maximum (30-100 MHz)</b> <b>3.0:1 maximum (25-1000 MHz)</b>
<b>Beamwidth:</b>	<b>360 x 85 degrees (center frequency)</b>
<b>Power Handling:</b>	<b>to 100 watts continuous</b> <b>(1000 watt versions available)</b>



### Mechanical Specifications

**Dimensions:** 72.5" x 38.2"  
**Weight:** 28.6 lbs.  
**Temperature:** -20 to +150 F  
**Winds:** to 45 mph (with optional guy kit)  
**Environment:** commercial/industrial  
 (mil spec available)



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