



**BMR6-A-B1**

Penetrator™ Antenna, 806-869, 10.4dBi, 220deg

The novel side fed dipole design of these antennas provides 6 dBd, 8 dBd, 10 dBd or 12 dBd omnidirectional gain with 63 MHz bandwidth. They feature constant beamtilt, heavy null fill, and have been VSWR tested. Depending upon the specific required area of coverage, horizontal patterns O, A, B, D or H are available.

**FEATURES / BENEFITS**

- High gain maximizes ERP.
- Heavy null fill enhances close-in coverage.
- Customized beamtilt minimizes interference to and from adjacent systems.
- Various patterns available to efficiently cover target area.



BMR\* Series

**Technical features**

**ELECTRICAL SPECIFICATIONS**

<b>Horizontal Pattern</b>		Directional	
<b>Frequency Range</b>	MHz	806 - 869	
<b>Horizontal Beamwidth</b>	deg	220	
<b>Gain</b>	dBi (dBd)	10.4	8.3
<b>Vertical Beamwidth</b>	deg	13	
<b>1st Null Fill</b>	dB	Included	
<b>Null Fill</b>	dB	Included	
<b>Front-To-Back Ratio</b>	dB	8	
<b>Polarization</b>		Vertical	
<b>VSWR</b>		< 1.5:1	
<b>Bandwidth for 1.5:1 VSWR</b>	MHz	< 1.5:1	
<b>Impedance</b>	Ohms	50	
<b>Maximum Power Input</b>	W	500	
<b>Lightning Protection</b>		Top Rod Grounded to Base Mount	

**GENERAL SPECIFICATIONS**

<b>Antenna Type</b>		Penetrator
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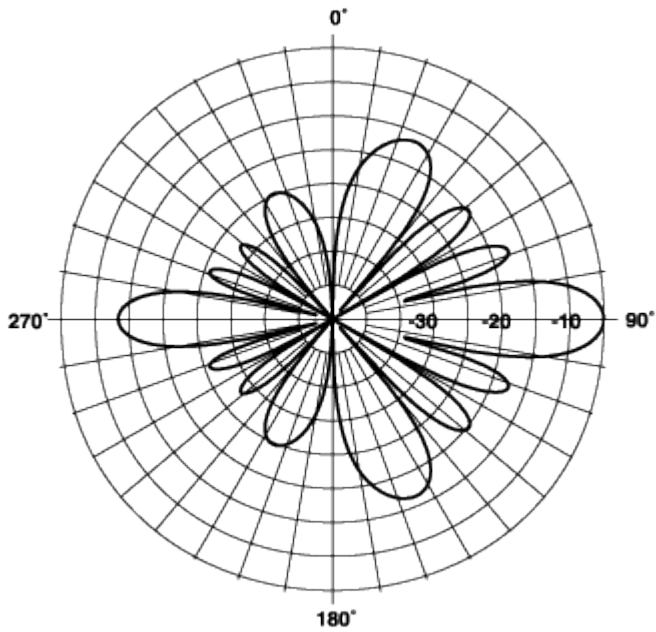
**MECHANICAL SPECIFICATIONS**

<b>Connector Type</b>		N Female
<b>Connector Location</b>		Bottom
<b>Weight</b>	kg (lb)	12 (26)
<b>Weight with B1 Bracket</b>	kg (lb)	26 (58)
<b>Mount Type</b>		Bracket
<b>Mounting Hardware</b>		B1 Bracket (included)
<b>Rated Wind Speed</b>	km/h (mph)	200 (125)
<b>Overall Length</b>	m (ft)	1.68 (5.5)
<b>Diameter</b>	mm (in)	168.3 (6.625)
<b>Radiating Element Material</b>		Aluminum
<b>Element Housing Material</b>		Fiberglass
<b>Mounting Hardware Material</b>		B1 Bracket (included)
<b>Max Wind Loading Area</b>	m <sup>2</sup> (ft <sup>2</sup> )	0.195 (2.1)
<b>Survival Wind Speed</b>	km/h (mph)	200 (125)

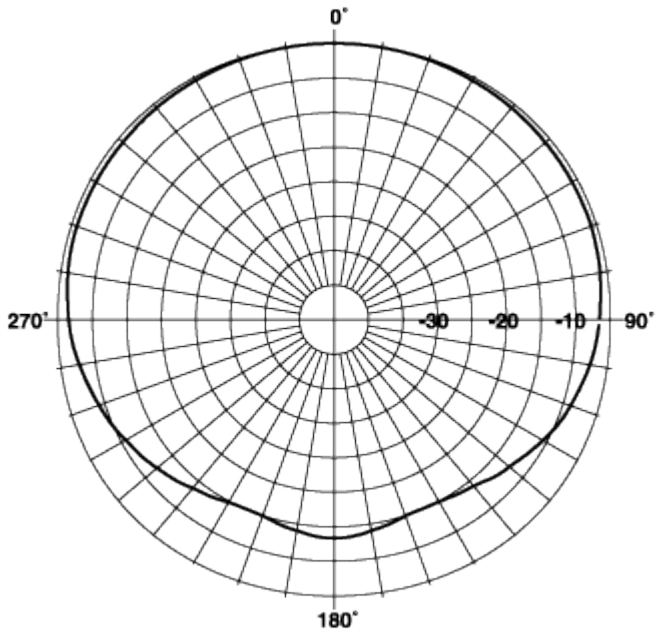


**PACKAGING INFORMATION**

Shipping Weight	kg (lb)	29.5 (65)
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Vertical Pattern



Horizontal Pattern

External Document Links

[RFS\\_B1\\_Bracket\\_Installation\\_Instruction](#)

Notes

- Radiating patterns: [Request pattern files](#)