

2.4 GHz ISM Elevated Feed Mobile Data Antenna

The MAXRAD (B)MEFC24005 2.4 GHz elevated feed mobile antenna is designed for installations requiring elevation of the antenna over surrounding objects that could prevent true omnidirectional coverage. Providing 5 dBi of gain, this antenna is ideal for public safety vehicles with overhead light bars that often obstruct the RF signal. It operates both on and off a ground plane without degradation in VSWR performance.

General Specifications:

2.4 GHz ISM elevated feed mobile data omnidirectional antenna

Radiator Material:

.100" OD stainless steel; bright (MEFC24005) or black finish (BMEFC24005)

Nominal Impedance:

50 Ohm

Mount Method:

3/4" hole mount

Mount Options:

The following mounts are recommended with this antenna.

MTPM800	5/8" hole, 1-1/8"-18 thread thick plate mount. Terminates in an N, female connector. No cable. Order cable assembly separately.
MVP	5/8" hole, vandal proof mount. No cable or connector.
MMF	3/4" hole, 1-1/8"-18 mount for frequencies above 1 GHz. Terminates in an SMA, male connector. No cable. Order cable assembly (SMA, female ending) separately.

Features and Benefits:

- Feed point is elevated 9-1/4 inches above its mounting surface, easily clearing the overhead light bars in police and ambulance vehicles which often obstruct the RF signal.
- Quiet, closed coil trilinear rod.
- Excellent VSWR performance on or off a ground plane.
- Rugged molded polymer elevated feed housing and stainless steel spring and rod, for maximum resistance to every day wear and tear.



The MEFC24005 omnidirectional mobile data antenna provides excellent VSWR performance on or off a ground plane.



The MEFC24005 omnidirectional mobile data antenna is ideal for public safety vehicles with overhead light bars that often obstruct the RF signal.

Specs and Pattern

Electrical Specifications

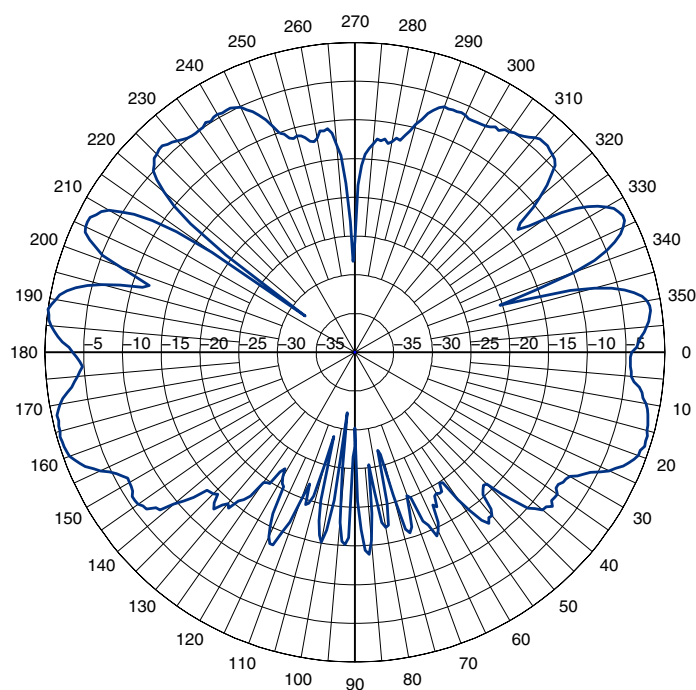
Model #	Frequency Range	Gain (ground plane)	Gain (no ground plane)	Vertical Beamwidth @1/2 Power	Horizontal Beamwidth @1/2 Power	VSWR	Maximum Power
(B)MEFC24005	2.4-2.5 GHz	5 dBi	3.5 dBi	45°	360°	< 1.5:1	50 Watts

* Prefix "B" indicates a black finish.

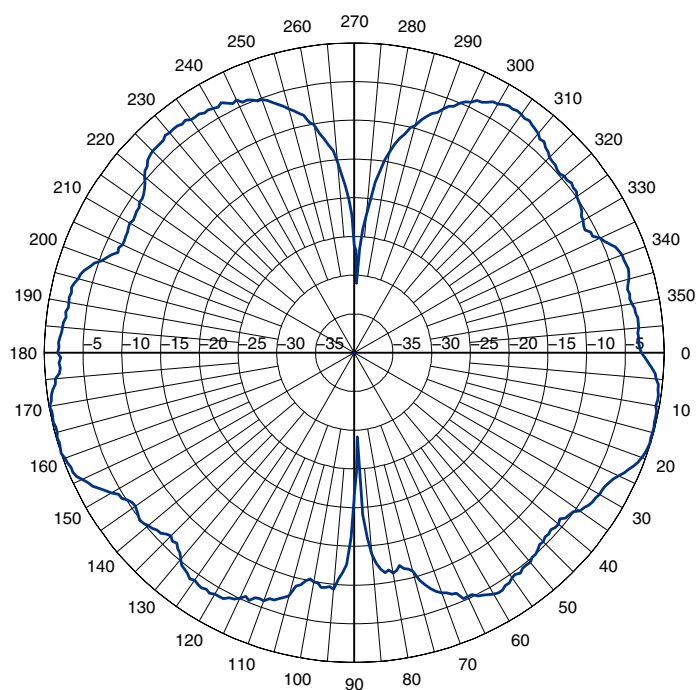
Mechanical Specifications

Model #	Antenna Height	Weight	Temperature Range
(B)MEFC24005	16" (406.4 mm)	0.5 lbs (0.227 kg)	-40°C to +70°C

* Prefix "B" indicates a black finish.



**(B)MEFC24005 Elevation Cut
(with a ground plane)**



**(B)MEFC24005 Elevation Cut
(without a ground plane)**