

# Permanent Mount - Mobile Series

**MAXRAD**  
An ISO-9001 Registered Company

## 2.4 GHz ISM Mobile and WLAN Antenna Series

These antennas are ideal for vehicles utilizing mobile data terminals. The (B)MAXC models provide wideband performance covering frequencies from 2.2 GHz to 2.9 GHz. They feature a molded polymer base, plated spring-loaded contact pin, and .100" diameter stainless steel whip for long lasting, trouble free service. The MUF24005 (not a wideband model) is a chrome nut antenna with a .062" stainless steel whip. Various mount and connector options provide low-loss mounting for a variety of metal surfaces.

### General Specifications:

2.4 GHz ISM mobile and WLAN antennas

### Radiator Material:

.100" OD stainless steel; bright (MAXC) or black finish (BMAXC)  
.062" OD stainless steel; bright finish - MUF model

### Base:

Molded polymer with a plated brass insert ring and a spring-loaded, brass contact pin - (B)MAXC models  
Brass mount nut with bright chrome finish - MUF model

### Rod Ferrule:

5/16"-24 thread; bright or black chrome plated brass - (B)MAXC models

### Nominal Impedance:

50 Ohms

### Mount Method:

3/4" hole mount

### Mount Options:

Unless otherwise specified, the following mounts include 17' of ML195 high efficiency, low loss cable.

SMML195	3/4" hole mount, 1-1/8"-18 thread stainless steel mount.
BMML195	3/4" hole, 1-1/8"-18 thread brass mount.
MAML195	3/8" or 3/4" hole, 1-1/8"-18 thread mount for 1/8" thick plates.
BMATM338	3/8" hole, 1-1/8"-18 thread adjustable brass mount for metal surfaces of 1/32"-1/2" thickness. No cable or connector.
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.
MPM26-NC	3/4" hole, 1-1/8-18 thread, 26° pivot mount. Includes 17' RG58A/U cable. No connector.
MPM26DSCP	3/4" hole, 1-1/8-18 thread, 26° pivot mount. Includes 17' double shielded cable with PL-259 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:

- Molded polymer base ((B)MAXC models). Provides ruggedness and durability in harsh mobile environments. Flexible rod design (MUF24005 model). Less prone to breakage in tough mobile environments.
- Compact design. Measuring less than 9" tall, these antennas are ideal for industrial applications where vehicle clearance is a concern.
- Wideband performance (BMAXC models only) provide coverage of 2.2 GHz to 2.9 GHz frequencies without any tuning required.



BMAXC24503 and BMAX24505



SM Mount



BM Mount



MA Mount



MTPM800 Mount



MPM26 Mount



MVP Mount



MMF Mount

# Specifications

## Electrical Specifications

Model #	Frequency Range	Factory Tuned Frequency	Coil Type	VSWR	Maximum Power	Gain
(B)MAXC24503	2.2-2.9 GHz	2.45 GHz	Closed	< 1.5:1	100 Watts	3 dBi
(B)MAXC24505	2.2-2.9 GHz	2.45 GHz	Closed	< 1.5:1	100 Watts	5 dBi
MUF24005	2.4-2.48 GHz	2.45 GHz	Open	< 1.5:1	100 Watts	5 dBi

\* Prefix "B" indicates a black finish.

## Mechanical Specifications

Model #	Antenna Height	Weight
(B)MAXC24503	5.25" (133.35 mm)	0.12 lbs (0.054 kg)
(B)MAXC24505	7.50" (190.50 mm)	0.16 lbs (0.073 kg)
MUF24005	8.75" (222.25 mm)	0.10 lbs (0.045 kg)

\* Prefix "B" indicates a black finish.