



# MOB245HM MOB245MM

## 5 dBi Mobile Antennas

### Specifications

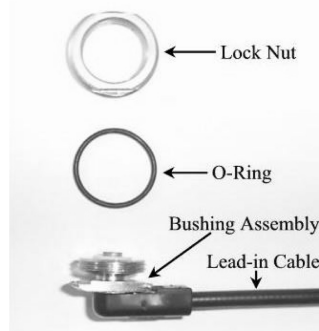
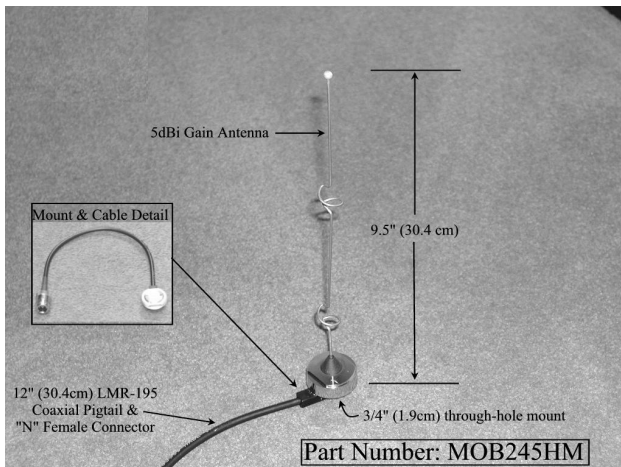
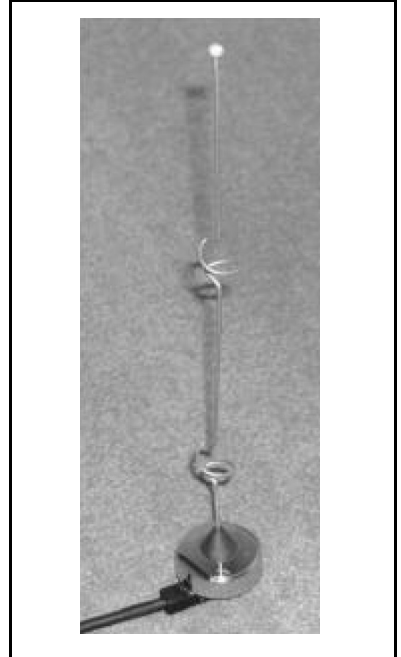
Frequency	2.400 - 2.4835 GHz
Gain	5 dBi
Center Tuned Frequency	2.4500 GHz
Radiator Material	.062" (1.57 mm) Stainless Steel
Base	Brass with bright chrome finish
MOB245MM Mount	Magnetic base (no mounting hole required)
MOB245HM Mount	3/4" (1.9 cm) hole; 1-1/8" (2.9 cm) 18 threads & installs from above
Maximum Power	100 watts
VSWR	Less than 1.5:1
Nominal Impedance	50 ohms
Type	Dual open coil
Overall Height	8.75" (22.2 cm)
Pigtail	12" (30.5 cm) LMR-195
Connector	Female N

### MOB245HM Mounting Instructions

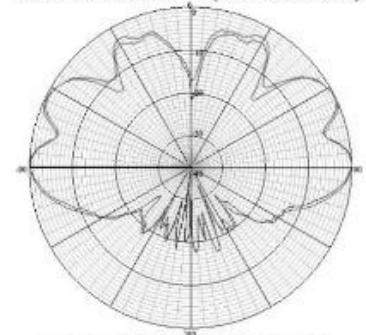
The MOB245HM is an open coil design that features a flexible rod on a standard universal mount. It is designed for through-hole mounting in metal surfaces. Its compact design offers minimal wind resistance and comes with a 12 inch pigtail lead with a female N connector.

The photographs below illustrate the sequence of assembly for the MOB245HM thru hole mount. The mount requires a 3/4" (1.9 cm) hole in a flat metal area with a thickness of 0.020" (.05 cm) to 0.040" (0.1 cm).

- 1) Feed the lead-in cable from the top until the bushing assembly is in position to drop into the hole. The bushing should be tilted at a slight angle and fed into the hole. The threaded top of the bushing will not fall through the hole.
- 2) Thread the lock nut onto the busing. Be sure the "O" ring is in the groove of the lock nut before tightening.
- 3) The lock nut should be tightened until it comes in contact with the surface and the "O" ring is fully compressed.
- 4) Attach your desired length of cable to the 12" (30.5 cm) lead-in cable pigtail female N connector with a male N connector.
- 5) Keeping in mind, this cable should be held as short as possible and shall be a low loss, 50 ohm coaxial cable.



5dBi Mobile Antenna (thru hole mount)



MOB245HM Radiation Pattern