

# COMTELCO

## Technical Specification

A1812MC, A1842MC

**150-174 MHz, VHF**  
**406-512 MHz, UHF**

## MOTORCYCLE ANTENNA

**Performance:** These antennas feature a 1/2 wave white polyester epoxy coated brass alloy whip with a base loaded matching coil. They have a power handling capacity of 200 watts.

**Stylish and Durable:** These antennas are manufactured using the finest corrosion resistant materials and finishes available. The base is triple plated chrome brass with a heavy duty shock spring.

**Dependable:** The large diameter low loss coil form is insert molded and features a gold plated spring loaded contact.

**Weatherproof:** O ring seals and overlap construction keep moisture out of the antenna.

**Standard Mounting:** The 1812MC and 1842MC motorcycle antenna mounts on a standard Motorola type TAD/NMO type mount.

### ELECTRICAL SPECIFICATIONS:

**FREQUENCY RANGE:** 150-174MHz  
406-512MHz  
**GAIN:** Unity, No Ground Plane  
**IMPEDANCE:** 50 ohms  
**POWER RATING:** 200 watts  
**VSWR:** <2.:1  
**RADIATION PATTERN:** Omni directional

### MECHANICAL SPECIFICATIONS:

**RADIATOR:** White epoxy coated brass, .250" dia.  
**BASE:** ABS, triple plated chrome  
**CONTACT:** Gold plated, spring loaded  
**LENGTH:** VHF 40", UHF 14", maximum  
**MOUNTING:** Standard TAD/NMO type

### Ordering Information:

#### FREQUENCY VHF

150-160MHz	A1812MC - 150
155-162MHz	A1812MC - 155
160-169MHz	A1812MC - 160
165-174MHz	A1812MC - 165

#### FREQUENCY UHF

406-430MHz	A1842MC-406
430-450MHz	A1842MC-430
450-470MHz	A1842MC-450
470-490MHz	A1842MC-470
490-512MHz	A1842MC-490

