

# COMTELCO

## Technical Specification

A1845 A, B

### 406-512 MHz 5dB Gain

### BASE LOADED MOBILE ANTENNA

**High Performance:** A full 5dB gain is achieved in this premium antenna by featuring a 5/8 wave over 5/8 wave whip with a base loaded matching coil. It has a power handling capacity of 200 watts.

**Stylish and Durable:** This antenna is manufactured using the finest corrosion resistant materials and finishes available. The base is triple plated chrome brass with an insert molded low loss coil form and a spring loaded, gold plated contact. The silver plated phasing coil is fully enclosed to insure years of dependable service. It is available in both brite and black finish.

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

**Economical:** These base loaded antennas feature a great price to performance ratio.

**Standard Mounting:** All Comtelco base loaded antennas mate with the standard TAD/NMO type mount.

#### ELECTRICAL SPECIFICATIONS:

**FREQUENCY RANGE:** 406-512MHz  
**GAIN:** 5dB  
**IMPEDANCE:** 50 ohms  
**POWER RATING:** 200 watts  
**VSWR:** <1.5:1  
**RADIATION PATTERN:** Omni directional

#### MECHANICAL SPECIFICATIONS:

**RADIATOR:** Stainless steel  
**MATCHING COIL:** Silver plated enclosed coil  
**BASE:** ABS, chrome plated brass  
**CONTACT:** Gold plated spring loaded contact  
**LENGTH:** 39" maximum  
**WEIGHT:** < 1 lb.  
**MOUNTING:** Standard TAD/NMO type

#### Ordering Information:

FREQUENCY	BRITE	BLACK
406-430MHz	A1845A-06	A1845B-06
430-450MHz	A1845A-30	A1845B-30
450-470MHz	A1845A-50	A1845B-50
470-490MHz	A1845A-70	A1845B-70
490-512MHz	A1845A-90	A1845B-90

To order with shock spring add suffix S to the part number.

**Example:** A1845AS-50 or A1845BS-50



Vertical Pattern

