

#### 406-512 MHz 2.5dB Gain

#### BASE STATION ANTENNA

**Reliable Performance:** Rated at 100 watts and 2.5dB gain, you can expect years of continuous service.

**Rugged Construction:** The radiating elements are constructed of copper alloy and are encased in a fiberglass radome. The elements are encapsulated to provide structural integrity and protection from moisture.

**Weatherproof:** The radome is ultraviolet inhibited. The mounting sleeve is triple plated chrome providing superior weather protection. An optional stainless steel hardware kit is available.

**Lightweight:** These antennas are lightweight at less than 2 lbs. and are designed to easily withstand winds of over 100 MPH.

**Simple Installation:** A standard hardware kit for mounting is supplied, A complete installation can be done in minutes.

#### ELECTRICAL SPECIFICATIONS:

##### FREQUENCY RANGE:

BS450S-A	406-430 MHz
BS450SN-A	406-430 MHz
BS450S-B	430-450 MHz
BS450SN-B	430-450 MHz
BS450S-C	450-470 MHz
BS450SN-C	450-470 MHz
BS450S-D	470-490 MHz
BS450SN-D	470-490 MHz
BS450S-E	490-512 MHz
BS450SN-E	490-512 MHz

##### GAIN:

2.5dBd

##### VERTICAL BEAMWIDTH:

45 degrees

##### BANDWIDTH:

20 MHz

##### IMPEDANCE:

50 ohms

##### POWER RATING:

100 watts

##### VSWR:

< 1.5:1

#### MECHANICAL SPECIFICATIONS:

##### RADIATOR:

White UV inhibited fiberglass radome sealed internal copper elements

##### TERMINATION:

TNC or Type N female connector

##### MOUNTING:

1-1/2" standard mast kit supplied, optional stainless steel mast kit available

##### ANTENNA LENGTH:

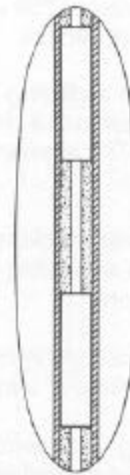
37"

##### ANTENNA WEIGHT:

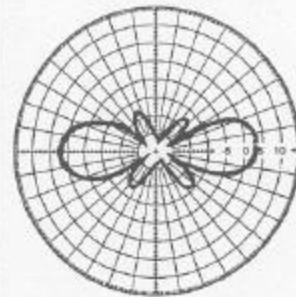
2 lbs.

##### WIND SURVIVAL:

100 mph



Vertical Pattern



VSWR vs. Frequency

