

# R-303

- VHF BROADBAND
- TRANSPORTABLE
- DIRECTIONAL
- QUICK ERECT

## Applications

The R-303 is a militarized, directional, transportable VHF antenna capable of use with two way radio communications in ground military operations. Its primary function is to extend the range of coverage of portable and mobile radios beyond that available from low elevation whip antennas or mast mounted omnidirectional antennas. Applications include situations where the system must be quickly unpacked and erected.

## Features

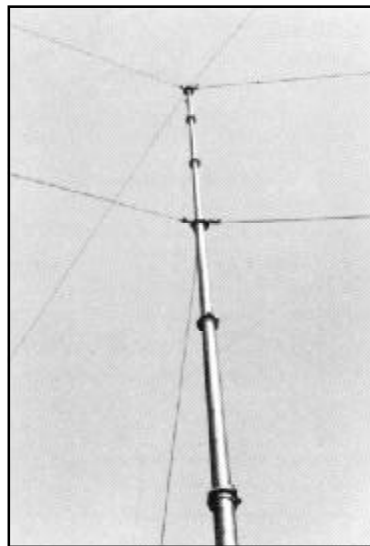
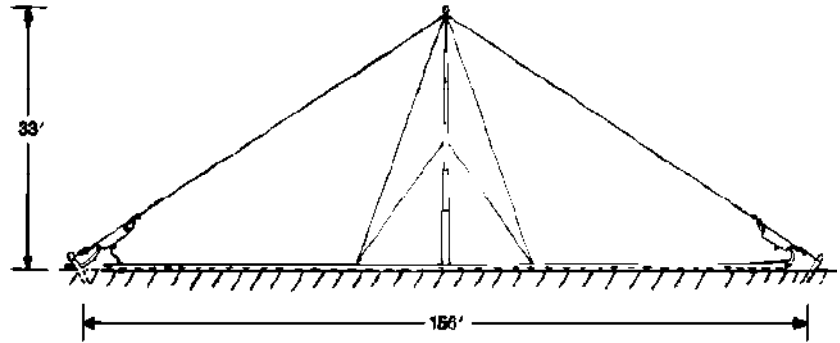
The R-303 uses a 33-foot telescoping mast to support the vertically polarized, half-rhombic antenna. The mast is precision engineered to meet quick erect and ease of handling requirements. It is air-dampened to ensure smooth, safe retraction of the telescopic tubes.

## Characteristics

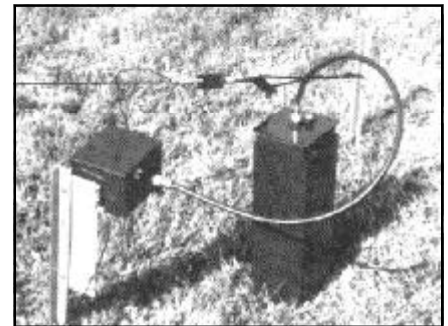
The R-303 operates over the frequency range of 30 to 88 MHz. The input impedance is 50 Ohms with a VSWR of 2:1 or less. The average gain is 8 dBi and the power handling capability is 350 watts. The antenna is easily erected by two men in 30 minutes. The antenna stows in a mast case and two storage bags made of canvas. The erected antenna is 156 feet long, 33 feet high and weighs 88 pounds.

## Optional Equipment

Transit case



**ANTENNA PRODUCTS**



## SPECIFICATIONS

Frequency Range	30 to 88 MHz
Impedance	50 Ohms unbalanced
VSWR	2:1
Average Gain	8 dBi
RF Power	350 watts, avg/PEP
Front to Back Ratio	12 dB
Input Connector	Type "N" Female
Erection Time	2 Men, 30 Minutes
Weight	88 lbs
Height	33 ft (10.1 m)
Length	156 ft (47.5m)

