

## RR6306 Tactical Adjustable Wideband HF Antenna

The antenna RR6306 is a tactical HF adjustable wire dipole antenna covering the frequency range from 2 to 30MHz. It is intended for use with portable and man-pack HF radio stations. The antenna is primarily designed to be erected as an "inverted V" or in specific cases as a "long wire" antenna. The antenna could be supported by trees or similar objects or could be used with some appropriate tactical portable mast such as the RR6401 series of fibreglass masts. The antenna is composed of a centre dipole junction box and two dipole wire elements calibrated with marker sleeves indicating the length necessary for a particular frequency. The dipole wire elements are wound on the polypropylene reels, which are also used as insulators. Each dipole element has 15 m of nylon rope for fixing it to the ground through the anchors. The antenna comprises also a 24m raising rope with throwing weight for erecting and two coaxial cables for connecting the antenna to the radio station. In special cases the antenna could be erected as a long wire antenna using only one dipole element. One end of the element would be connected to the radio set and the other end would be spread out towards the direction of communication. For that specific case of antenna some special elements are included such as a grounding anchor and BNC two-pole adapter connector. All parts of the antenna are made of materials tested to MIL-810-C standards. A special 'kevlar' reinforced wire is used for the dipole wire elements. All metal parts are made of stainless steel or they are galvanically protected. All elements are packed in a linen bag suitable for transport.

Specification	Parameter
Frequency range	2 - 30MHz
Impedance	50Ω
VSWR	<1.5:1
Maximum power	100W CW
Efficiency	15-55%
Minimum Mounting Height	8m
Length of Dipole	4 x 34m
Weight	3kg
Input Connector	BNC

