

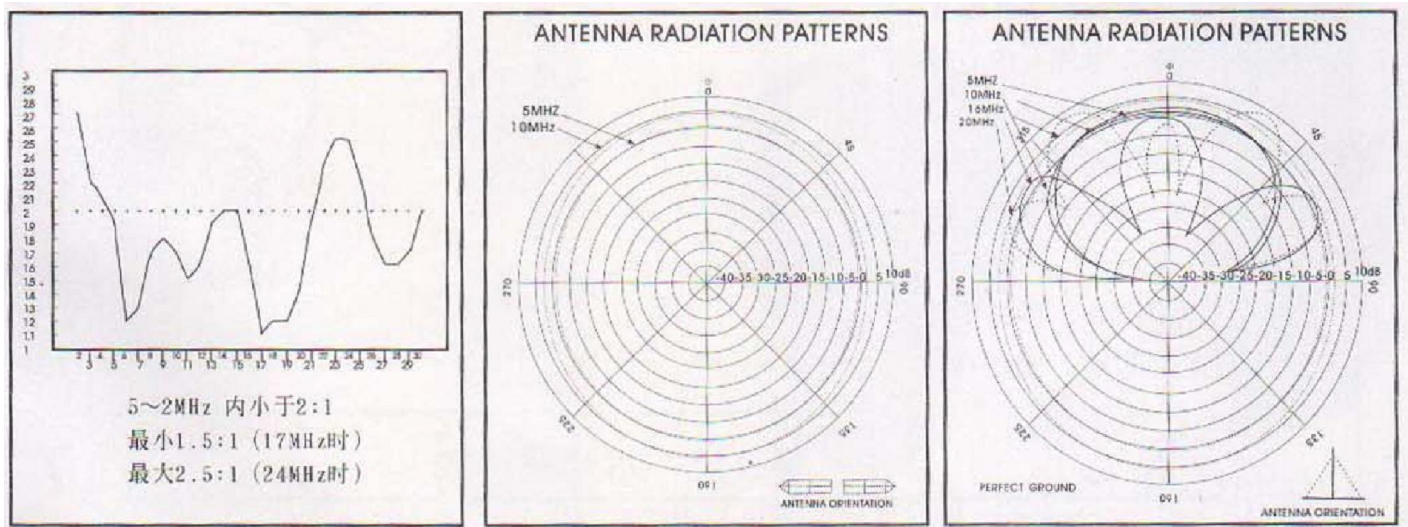


MULTI-WIRE HIGH EFFICIENCY SHORTWAVE ANTENNA

Model : BTA-230-500W

The BTA-230-500W is an excellent capacity, full band shortwave base station antenna. It has good communication effect within 0-2500 km range. It is widely used around the world.

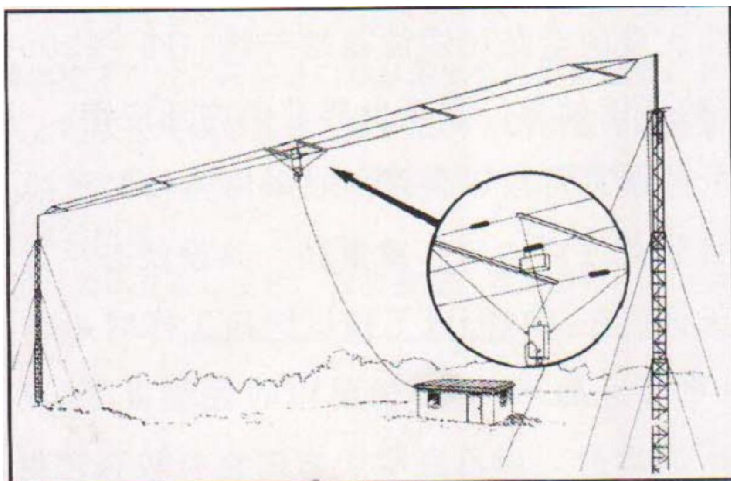
The antenna is fully different from the general wideband dipole antenna. It uses unique three wire dipole structure, which the radiation is high efficiency, the performance of every frequency band is even, and is lightweight. The mounting is also stable and strong wind survival. Below 10 MHz, the antenna provides high elevation. It is good to overcome communication blind zone within the 20-100 km. It has strong radiation at the wide side, as well as the narrow side. So it can communicate 360 ° omni-direction.



The construction of antenna can be assembled by two different ways (See the following photo) as its different application.



Model : BTA-230-500W



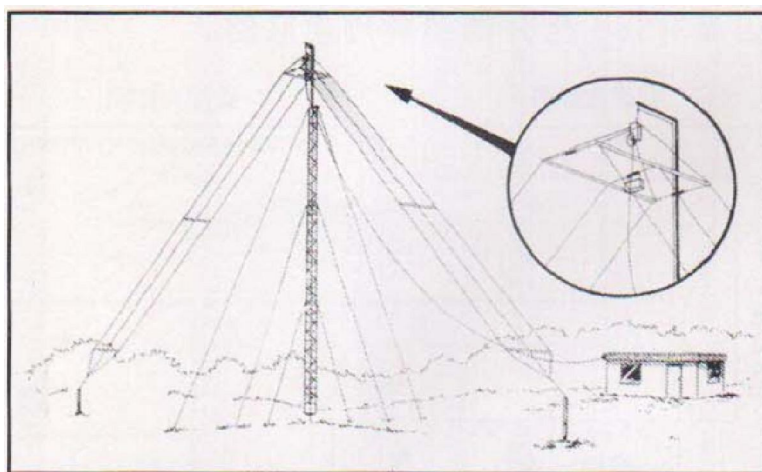
Horizontal way to set up

When the height of both sides bracket is $1/4$ wavelength, the performance is best. (Such as: $F=10$ MHz, the bracket is about 7.5m.)

Inverted V way to set up

It provides the standard 360° omni-direction. It is suitable for the centre station communicate with the different direction of the substation with horizontal and vertical polarisation at the same time. It is used for vehicular-mounted radio and manpack radio at horizontal polarisation.

When the length of antenna is 30 m, the centre bracket is 15 m. The both sides of brackets are 2 m, the spacing is 18m.



SPECIFICATION

Frequency Range	2-30 MHz
Impedance	50
Power Input	500 W
Wind survival	210 km/h
Total Length	30 m
Width	1.5 m
Gain	3 dBi
Packing Weight	8.5 kg
VSWR	<2.0:1