

1.0 GENERAL INFORMATION

1.1 DESCRIPTION

The ANDREW Series 5065 Antenna consists of an array supported by two masts (which is customer supplied and installed). It is designed for broadband operation without the requirements of an antenna tuning unit.

The antenna array is configured as a "V" fan dipole, supported by a central polyfibre rope (poly-rope) which runs the length of the antenna. This design allows the poly-rope to absorb the entire loading of the array with the radiating wires only required to support their own weight. The two ends of the array are supported by 15 metre masts (customer supplied). The balun is mounted at the centre of the array which in turn is tensioned to the ground via a messenger cable.

1.2 THE RADIATING ARRAY

Each half of the dipole consists essentially of two stainless steel stranded wires, which are resistively loaded to decrease the antenna "Q" and extend the natural low frequency cutoff of the antenna.

The array is made up of two prefabricated sections, and a central support poly-rope, which together with the balun, and resistive elements are factory preassembled to facilitate rapid and simple deployment.

Array fixtures and fittings are manufactured from stainless steel and aluminium to ensure maximum corrosion free conductivity. The antenna array is conveniently packaged for ease of deployment.

