

900 series HF SSB base station antennas

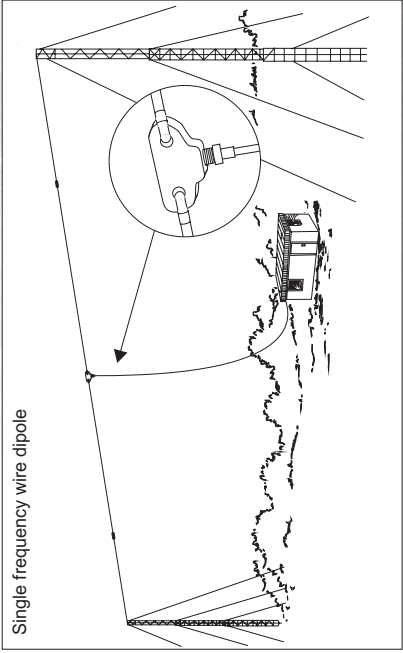
915 Single Wire Dipoles

Single wire dipole antennas, spot-tuned to the required operating frequency, are the most efficient antennas for use in HF base stations. They are simple to install and have a relatively narrow bandwidth and require little maintenance.

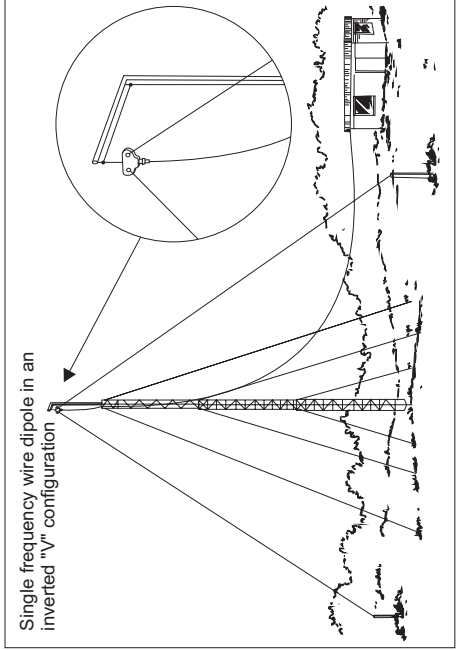
When several frequencies are required at a base station, several dipoles can be stacked one above the other between two towers. An antenna switch box BC91600 can be used to switch to the required dipole depending on the channel.

General Specifications

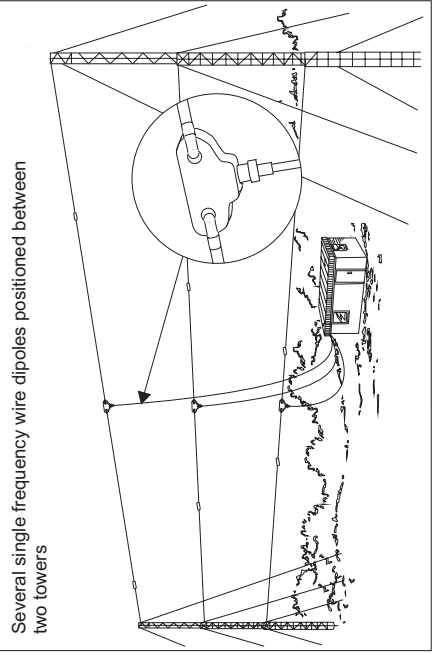
Frequency Range	500kHz - 30MHz
VSWR	Less than 1.5:1
Impedance	50 ohm
Construction	Stainless steel radiators



Single frequency wire dipole



Single frequency wire dipole in an inverted "V" configuration



Several single frequency wire dipoles positioned between two towers

In addition to the antennas described in this brochure, we can supply other antenna systems including, rotatable log periodics, deltas, rhombics and conical monopoles to suit specific customer requirements.

BCB900ANT/2

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Dealer Stamp

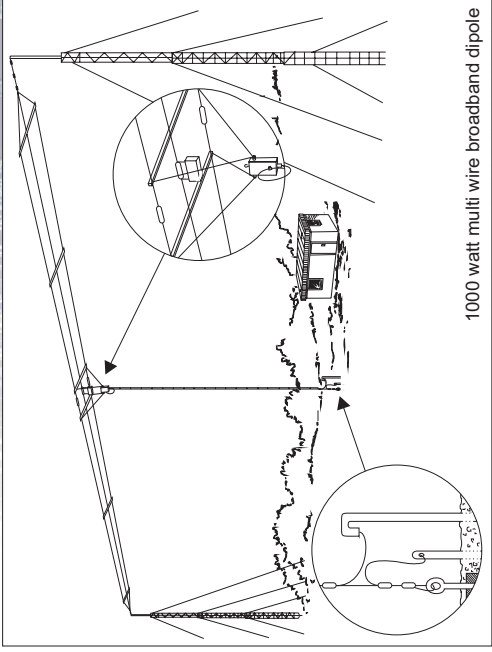
900 series HF SSB base station antennas

912 Series Broadband Dipoles

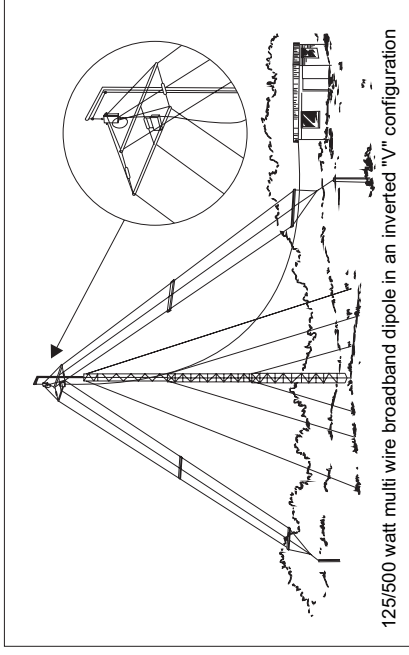
The Barrett 912 series of broadband base station antennas are designed for use in either an inverted "V" configuration, using a single mast, or a standard dipole configuration, between two masts.

In the inverted "V" configuration the 912 provides a more omni directional radiation pattern. All broadband antennas in the series are designed to provide optimum performance over a wide HF spectrum, without the need for antenna tuners.

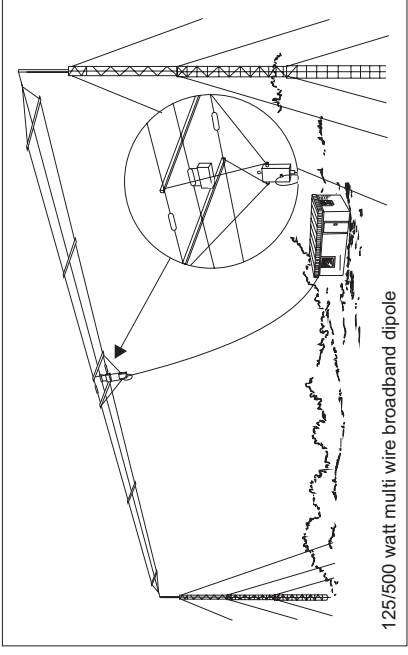
Using high quality stainless steel and glass reinforced composites the 912 series of broadband antennas are light weight and corrosion resistant, but are able to withstand wind speeds in excess of 200km/h. The antennas are supplied complete with an inverted "V" mounting harness, 30 metres of coaxial cable and high quality waterproof connectors.



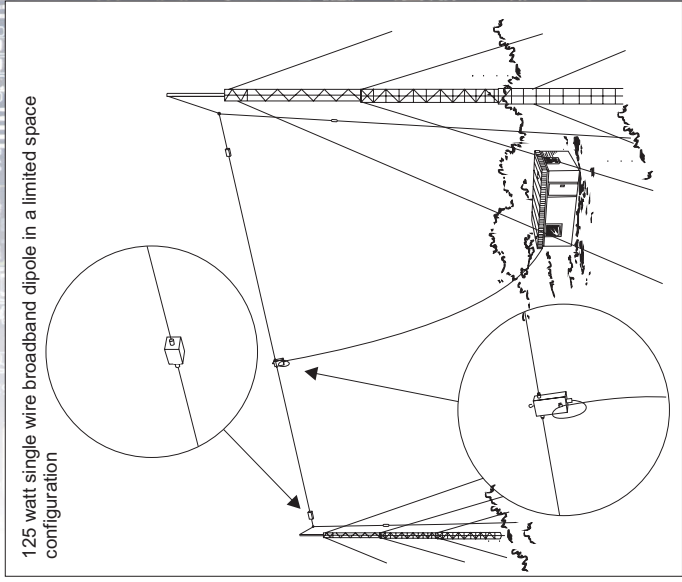
1000 watt multi wire broadband dipole



125/500 watt multi wire broadband dipole in an inverted "V" configuration



125/500 watt multi wire broadband dipole

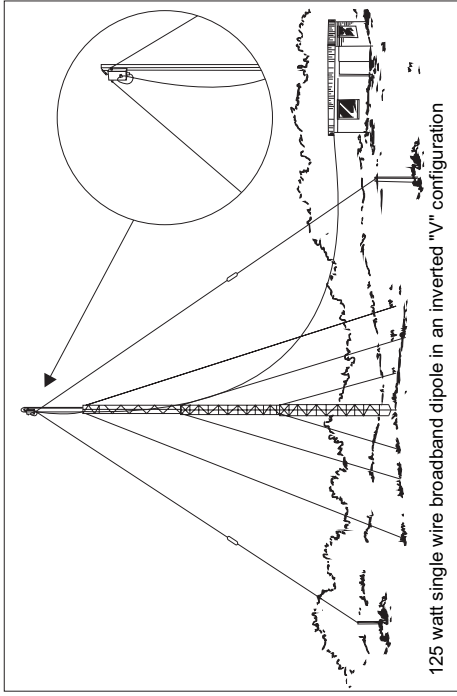


125 watt single wire broadband dipole in a limited space configuration

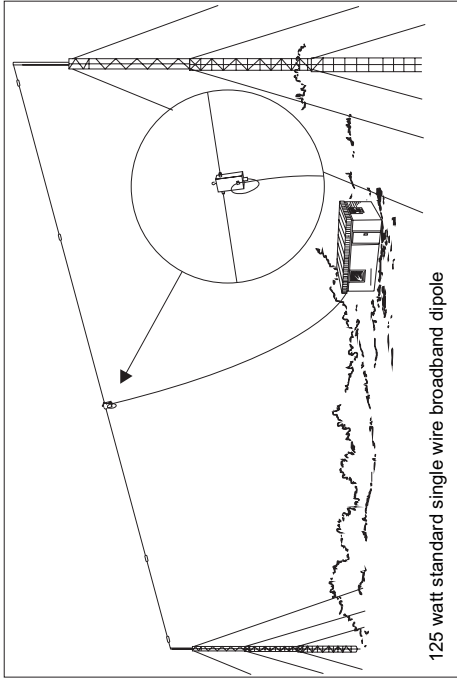
base station antennas

High Frequency Single Sideband Communications Systems

912 Series Broadband Dipoles



125 watt single wire broadband dipole in an inverted "V" configuration



125 watt standard single wire broadband dipole

General specifications

Frequency range2 to 30 MHz
VSWRLess than 2.5:1
Impedance50 ohm
Max Wind speed207 km/h

BC91200 125 watt multi wire broadband dipole

Length insulator to insulator28 metres
Width1.3 metres
Power handling125W CW, 250W PEP
Packed weight6 kg
Packed dimensions1.4m x 150mm x 100mm

BC91202 500 watt multi wire broadband dipole

Length insulator to insulator28 metres
Width1.3 metres
Power handling500W CW, 1250W PEP
Packed weight13kg
Packed dimensions1.4m x 300mm x 150mm

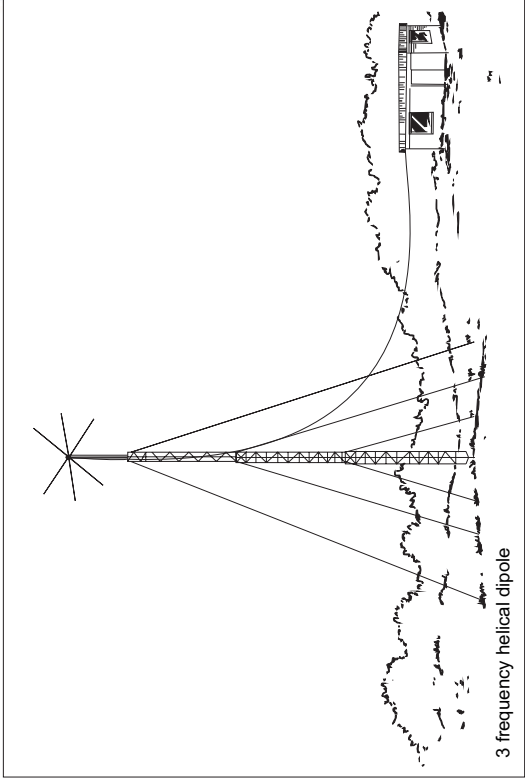
BC91203 1000 watt multi wire broadband dipole

Length insulator to insulator28 metres
Width1.3 metres
Power handling1000W CW, 2500W PEP
Packed weight20kg
Packed dimensions1.4m x 300mm x 150mm

BC91201 125 watt single wire broadband dipole

Length insulator to insulator48 metres
Widthn/a
Power handling125W CW, 250W PEP
Packed weight2kg
Packed dimensions250mm x 300mm x 75mm

913 Series Helical Dipoles



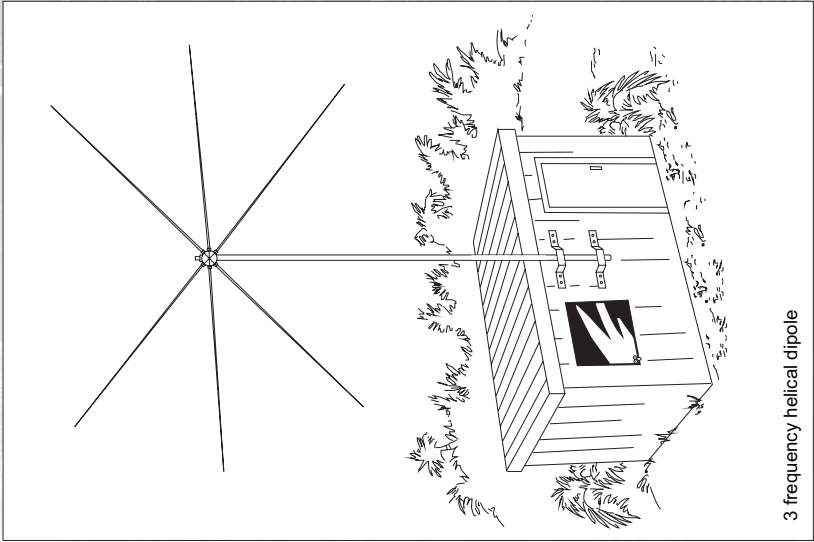
3 frequency helical dipole

The Barrett 913 series helical dipole antenna is designed for use in base station installations where the use of wire dipoles or broadband antennas is impractical.

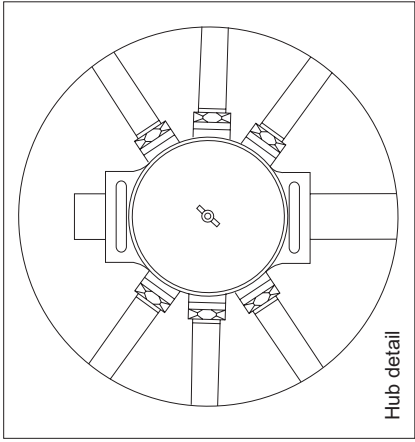
The construction and ease of assembly make the 913 Series ideally suited to sites where space is restricted or where it may be necessary to periodically dismantle in order to relocate a temporary base station. In environments where man made noise causes a problem when using a broadband antenna, signal to noise ratio is improved by the narrow bandwidth characteristics of the 913 Helical Dipole.

The hub is designed to be mounted on either a 50mm diameter support mast or an existing tower. The antenna comes complete with 30 metres of RG58 coaxial cable and high quality C32-21 waterproof connectors.

Barrett 913 Antennas are ready to erect, in kit form, with threaded mounting bolts which attach directly to the central hub.



3 frequency helical dipole



Hub detail