

MULTI-WIRE BROADBAND DIPOLE ANTENNA

FEATURES AT A GLANCE

- Durable
- Easy to install
- High performance

The Multi-wire Broadband Dipole Antenna is a 3-wire terminated folded dipole antenna designed for broadband operation in fixed stations. It is available in multiple power levels up to 1 kW. The Antenna can be mounted horizontally between two support systems, or as an inverted “V” using a single central support mast.

DURABILITY

The Multi-wire Broadband Dipole Antenna is made from lightweight, weatherproof materials designed to withstand extreme environmental conditions and wind speeds greater than 200 km/h.

The wire elements are constructed of high quality, corrosion resistant stainless steel, with balun and load housings, and insulators made from UV resistant, durable moulded plastic.

EASY TO INSTALL

The Antenna is supplied completely assembled and ready for erection with an inverted “V” mounting arm and detailed erection instructions.

HIGH PERFORMANCE

Due to the Antenna’s optimum performance over a wide HF range, an antenna tuner is not required — minimising cost and setup requirements.

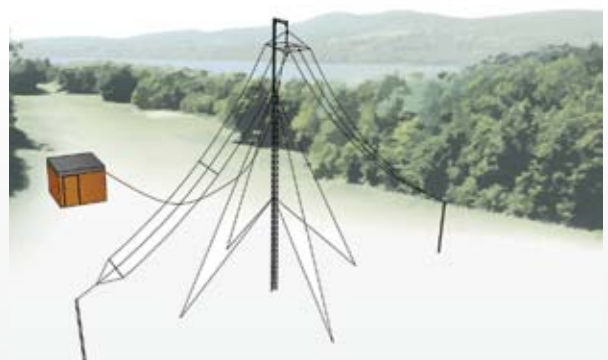
Antenna performance is very similar in both horizontal and inverted “V” configurations.

The inverted “V” configuration provides a good overall solution for most base station applications with the added benefit of only requiring a single mast for installation.

For long-range operation, the horizontal configuration is recommended.



Horizontal configuration



Inverted “V” configuration

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SPECIFICATIONS

ELECTRICAL

Frequency	2 to 30 MHz
Power rating	250 W PEP (125 W avg) 500 W PEP (300 W avg) 1 kW PEP (600 W avg)
Nominal impedance	50 Ω
VSWR	Generally less than 2:1
RF connector type	SO239

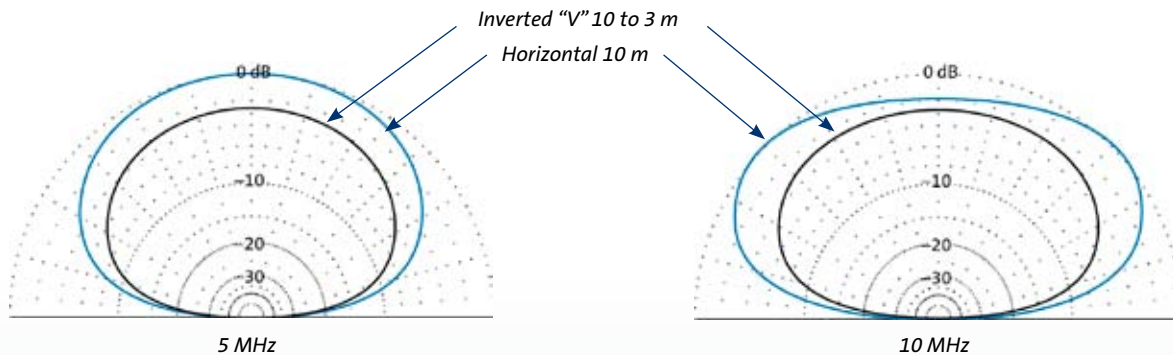
MECHANICAL

Length	28 m (91.9 ft) insulator to insulator
Width	1.3 m (4.27 ft)
Minimum mast spacing	30 m (98.5 ft)
Recommended mast height	10 to 12 m (32.8 to 39.4 ft)
Wind rating	200 km/h (125 ml/h)
Packed weight	6.7 kg (14.8 lbs)
Carton dimensions	1435 mm x 165 mm x 165 mm; 56.5" x 6.5" x 6.5"
Mounting hardware	Halyard, pullies and mounting arm supplied

ACCESSORIES

- Coaxial cables
- Lightning protection kit
- Masts 12 (39.4 ft) and 15 m (49.2 ft)
- Stub masts

RADIATION PATTERNS



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Values noted are typical. Equipment descriptions and specifications subject to change without notice or obligation.



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RADIO COMMUNICATIONS

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