

463 TERMINATED FOLDED DIPOLE ANTENNA

FEATURES AT A GLANCE

- Durable
- Easy to install
- High performance
- 125 W PEP RF power rating

The Code 463 Terminated Folded Dipole Antenna is a 3-wire antenna designed for broadband operation in fixed stations and has a power rating of 125 W PEP. The Code 463 Antenna can be mounted horizontally between two support systems, or as an inverted “V” using a single central support mast.

DURABILITY

The Code 463 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 Code 463 Antenna is supplied completely assembled and ready for erection with an inverted “V” mounting arm and detailed erection instructions.

HIGH PERFORMANCE

Due to the optimum performance of the Code 463 Antenna over a wide HF range, an antenna tuner is not required — minimising cost and setup requirements.

The performance of the Code 463 Antenna 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	125 W PEP
Nominal impedance	50 Ω
VSWR	Generally less than 2:1
RF connector type	SO239

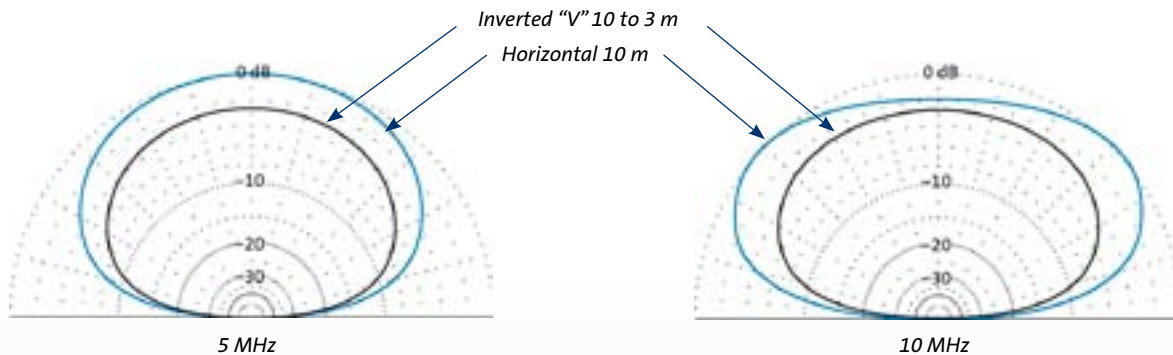
MECHANICAL

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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RADIO COMMUNICATIONS

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