

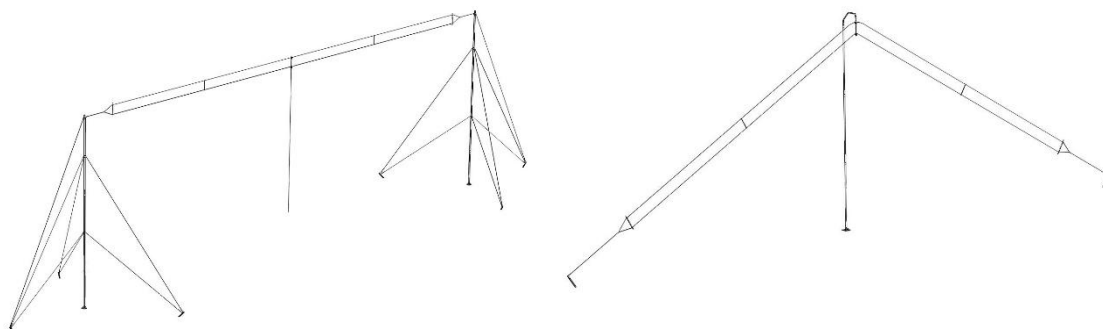


## Two-Wire Folded Broadband Dipole

02-2150 | 1kW | 2-30MHz

04

Data Sheet



*Horizontal*

*Inverted V*

*Figure 1 – Installed Antennas*

The **Lencom®** 02-2150 Broadband Dipole antenna has been designed for fixed station, multi-frequency operation, and covers the entire frequency range of 2-30MHz with a power rating of 1kW PEP (600W average).

No antenna tuner is required.

Three different lengths are offered; all provide VSWR of generally less than 2:1 over the whole range but increase in efficiency with length. Lengths are 27m, 34m and 43m.

The antenna can be mounted horizontally between two masts, or as an inverted-V using a single central mast.

The antenna is constructed of stranded, stainless-steel wire rope for long life and resistance to kinking.

Installation is made easy as the antenna elements are rolled onto cardboard tubes to enable the antenna to be easily unrolled on site.

The antenna is fully assembled, and no specialised tools are needed for installation.

Lencom can provide extremely lightweight aluminium masts for either application.



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## Key Characteristics<sup>1</sup>

Frequency range	2-30MHz
Power rating	1kW PEP (600W average)
Input impedance	50Ω
VSWR over range	Generally <2:1
Radiation pattern	Refer radiation plot
RF connector type	N-Type socket
Mast Requirement	10-12m (6m minimum)
Wind rating	160km/h, no ice
Mounting hardware	Halyard and pullies supplied
Package details	15kg (27m version), 800mm x 600mm x 250mm

## Mast Information

Mast height	9m	12m	15m
Lencom model	LA011	LA006	LA007
Minimum mast spacing	31m	38m	47m

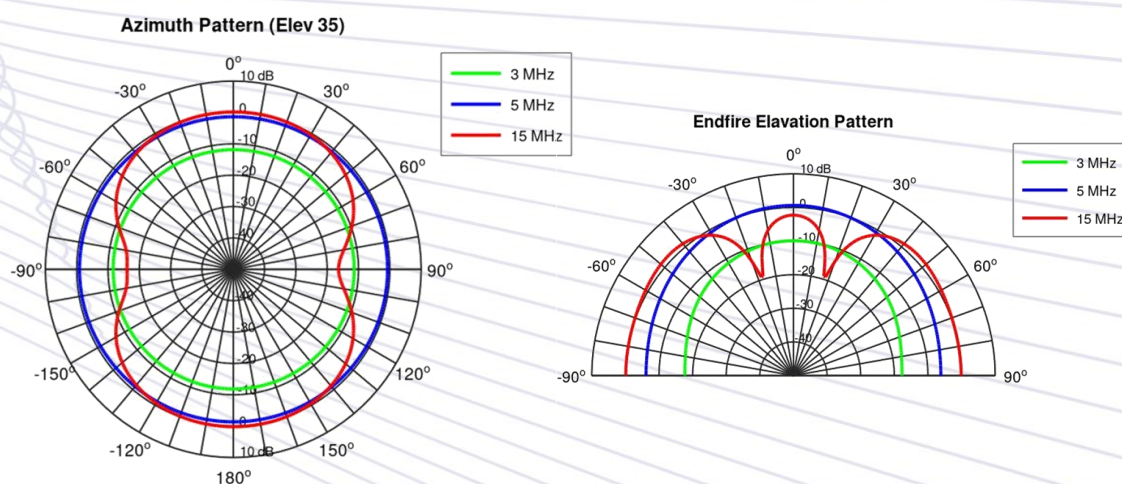


Figure 2 – Inverted V Radiation Patterns

Modelled above perfect earth; Azimuth slice taken at an elevation of 35degrees from horizon;  
Elevation slice taken at an azimuth angle of 90degrees from Endfire

<sup>1</sup> Specifications subject to change without notice

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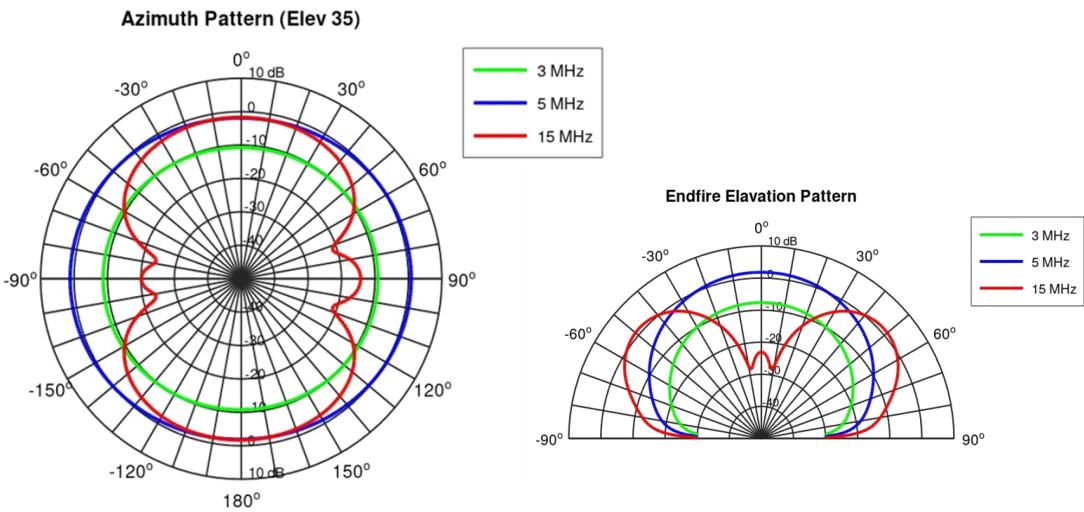


Figure 3 - Horizontal Radiation Patterns  
Modelled above perfect earth; Azimuth slice taken at an elevation of 35degrees from horizon;  
Elevation slice taken at an azimuth angle of 90degrees from Endfire

Accessories

Masts	9m (LA011), 12m (LA006). 15m (LA007)
Earthing Kit	01-1010-001
Lightning Arrestor	LA088
Coaxial Cable	