

Wideband Bi-Conical Dipole Antenna

130 - 550 MHz

Ideal for rapid deployment alongside wideband tactical radios.

KEY FEATURES

- Central feed
- Rapid Deployment
- Can be stacked for additional gain
- Lightweight Aluminium
- Fully Weatherised
- Optional Anodised Finish

Technology Readiness Level - 9

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Mission Critical Communications

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130 - 550 MHz



TECHNICAL SPECIFICATION

Frequency Ranges	130 - 550 MHz (usable to 1GHz+)	
Max Gain	2.1 dBi approximately	
Pattern	Dipole Equivalent	
Polarisation	Linear	
Input Connector	Type N Female	
Input Impedance	50Ω (nominal)	
Max Input VSWR	2.5:1	
Input Power	500 Watts maximum	
Mounting	Horizontal or Vertical Pipe Mount	
Dimensions	Height Inches [cm]	26 [66]
	Width Inches [cm]	14 [36]
	Depth Inches [cm]	14 [36]
	Weight Lbs. [kg]	4 [1.8]

OVERVIEW

The Wideband Dipole Antenna is a cage biconical dipole antenna for broad frequency coverage with linear polarisation. Mounted on an insulating support tube, the antenna is centre-fed with an integral broadband choke balun.

Typically used for vertical polarisation, the antenna is ideal for rapid deployment in conjunction with wideband tactical radios.

With nominal frequency coverage from 130 to 550 MHz, the antenna covers the VHF High and UHF military frequency bands with ideal horizon coverage.

It can also be used in its second resonance band to provide horizon coverage from 700 to 1000 MHz with no performance penalty.

This antenna may be stacked for additional gain.

Made of lightweight aluminium construction this antenna can also be anodised with optional black, tan or olive drab coating, available on request.

A ruggedised storage/carry case can also be supplied.



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