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'25W Wolf' and 'Wolf Pup' Transportable HF Antennas

Based on the higher power 'Wolf' antenna which is currently in worldwide use, the 25W Wolf and 'Wolf Pup' antennas have been designed for use where light weight and rapid deployment are needed, along with an extended frequency range up to 60MHz, typically for battery powered transportable and man-pack HF/VHF radio transceivers.

The '25W Wolf' Folded Dipole antenna is designed as a regional coverage antenna intended for near and mid-range HF communications in environmental disasters and similar scenarios. It offers a rapid deployment time for use when a fast communication set-up is essential.

Two versions are available, each having the same frequency range and power rating specification. The 'Wolf Pup' is only half the length of the '25W Wolf' and is ideal for use where deployment area is at a premium. A compact combined and fully encapsulated balun and load is used for light weight and rapid deployment in both versions, and Kevlar strengthened antenna elements are used for durability.



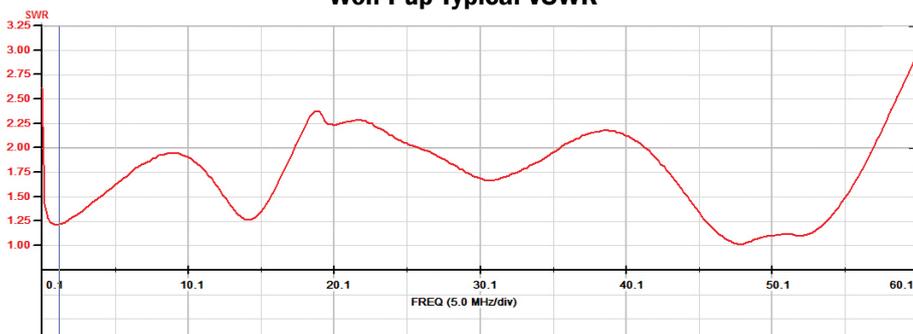
Features:	
Frequency coverage	2-60MHz
Power rating	25W data and PEP
Polarisation	Horizontal
VSWR	VSWR 1.5:1 typical, 3:1 maximum
Radiation Pattern	Essentially omnidirectional at HF
Supplied Accessories	Complete with RG-174 coax download, winding spools, transportable bag and ground stakes
Overall Antenna Length	25W Wolf 18.5m (60 ft approx), Wolf Pup; 9.25m (30ft approx)

This antenna can be configured as a Flat Top NVIS antenna, Inverted 'V' for medium to long ranges, or a sloping directional antenna.

Its strong NVIS (Near Vertical Incidence Sky wave) capabilities allow for communications over mountainous terrain or in jungle environments, and its broadband coverage makes it an excellent antenna for ALE (Automatic Link Establishment) operations without the need for a tuner/coupler thus reducing system costs and overall weight.

No radial ground plane or grounding is required, making the antenna ideal for rooftop installations.

Wolf Pup Typical VSWR



Wolf and Wolf Pup combined balun and load



South Midlands Communications Ltd. SM House, School Close,
Chandlers Ford, Industrial Estate, Eastleigh, Hampshire, SO53 4BY ENGLAND
Tel: +44 (0)23 8024 6200 - Fax: +44 (0)23 8024 6206 - Email: sales@smc-comms.com