

PORTABLE ANTENNA

TACTICAL 411 BROADBAND 150W

DTC

A CODAN COMPANY

Codan's Tactical 411 Broadband Antenna is a rapid deploy, portable antenna suitable for NVIS and medium distance HF communications. Robust and reliable, the antenna is designed to operate over the full HF band and is rated for 150 W PEP at full duty cycle for voice and data.

RUGGED AND EASY TO INSTALL

The antenna is supplied fully assembled, complete with anchor stakes, laminated installation instructions, and a canvas carry bag. No specialised tools are required for installation. The central antenna spreader bar is fitted with a sleeve that enables the antenna to be mounted into the Top section of a mast with an inner diameter of 32 mm.

The antenna is constructed of Kevlar reinforced antenna wire for strength, long life, and immunity to kinking.

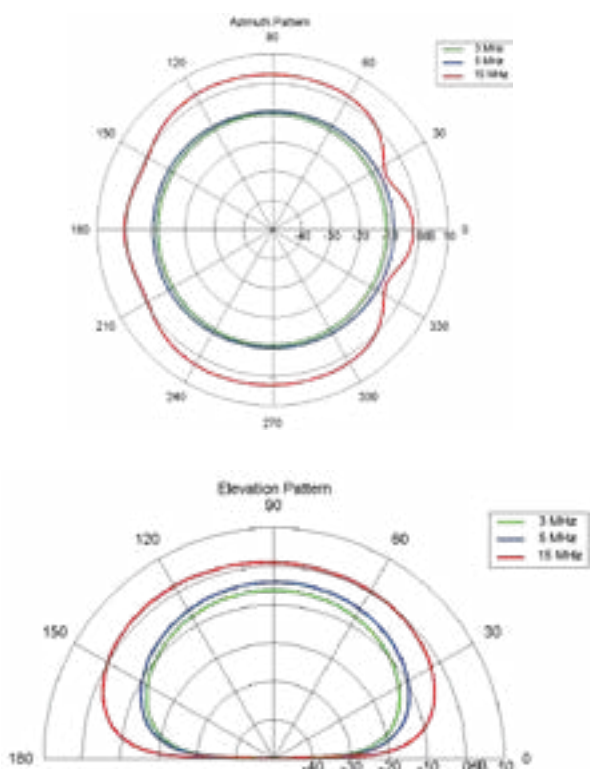
The CODAN™ 6 and 10 m Tactical Masts (part numbers 78-13035 and 78-13036) are recommended for use with this antenna.



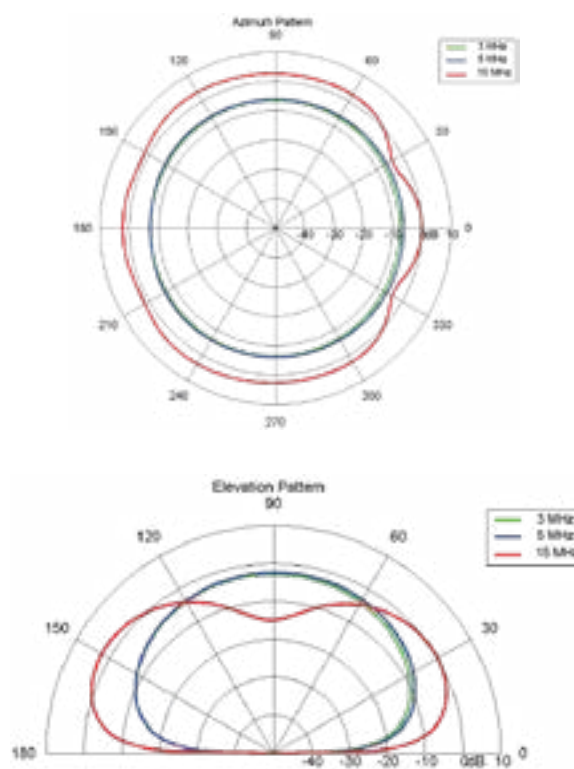
NVIS OPERATION

The optimum height for general communications is 10 m. However, 6 m will improve Near Vertical Incidence Skywave (NVIS) radiation for communications over shorter distances.

RADIATION PATTERNS – 6M MAST



RADIATION PATTERNS – 10M MAST



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GENERAL SPECIFICATIONS	
Frequency range	2 to 30 MHz
Power rating	150 W PEP, 100 W average
Input impedance	50 Ω
VSWR over range	Generally <2:1
Radiation pattern	Refer radiation plots
RF connector type	N-type socket
Wind rating	160 km/hr, no ice
Mounting hardware	All supplied
Package details (packed bag)	5 kg, including anchor stakes
Suggested masts	Codan 6 m Manportable Mast (part number 78-13035) Codan 10 m Transportable Mast (part number 78-13036)
Anchor stake spacing	31 m for 6 m Man-Portable Mast 36 m for 10 m Transportable Mast

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

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