

# PORTABLE ANTENNA

# TACTICAL 411 BROADBAND



**CODAN**  
COMMUNICATIONS



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 125 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 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.

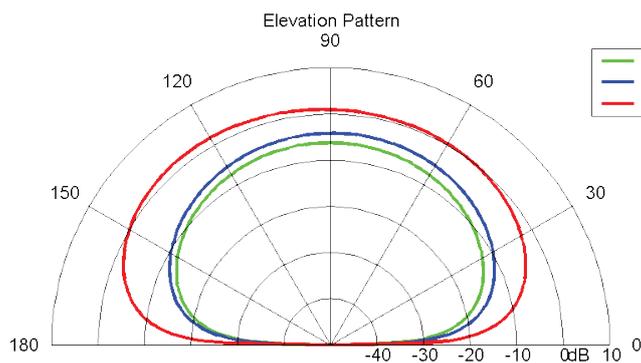
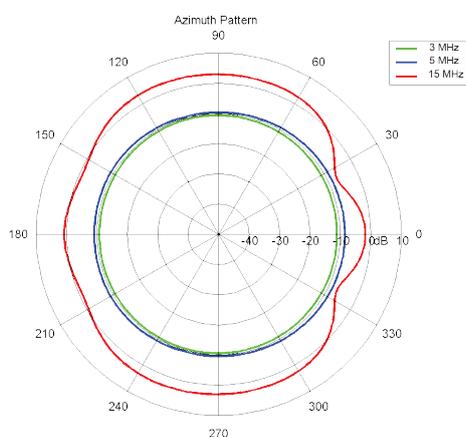
The antenna is constructed of Kevlar reinforced antenna wire for strength, long life, and immunity to kinking.

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

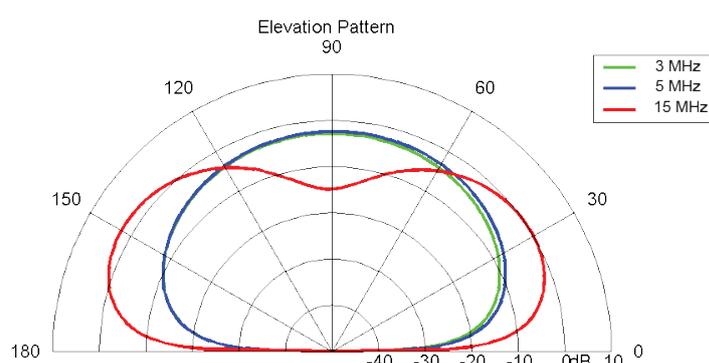
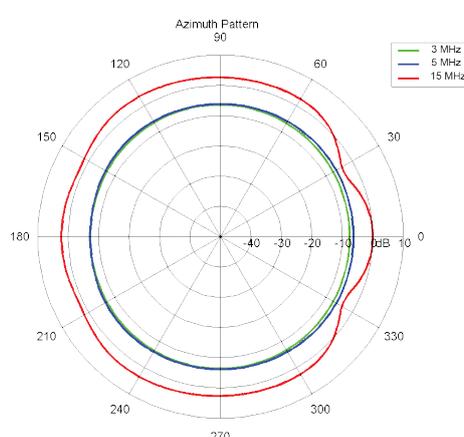
## NVIS OPERATION

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



# PORTABLE ANTENNA

# TACTICAL 411 BROADBAND



CODAN  
COMMUNICATIONS

## SPECIFICATIONS

<b>Frequency range</b>	2 to 30 MHz
<b>Power rating</b>	125 W PEP, 60 W average
<b>Input impedance</b>	50 $\Omega$
<b>VSWR over range</b>	Generally <2:1
<b>Radiation pattern</b>	Refer radiation plots below
<b>RF connector type</b>	N socket
<b>Wind rating</b>	160 km/hr, no ice
<b>Mounting hardware</b>	All supplied
<b>Package details (packed bag)</b>	5 kg, including anchor stakes
<b>Suggested masts</b>	Codan 6 m Manportable Mast (part number 78-13035) Codan 10 m Transportable Mast (part number 78-13036)
<b>Anchor stake spacing</b>	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.