

# 1.5 - 200 MHz 1 KW PeP CONTINUOUS COVERAGE ANTENNA



## COMPACT ANTENNA SYSTEM FOR TACTICAL AND FIXED USE

### MOD. D2T-M

Quick mount and dismount, easy to handle, light. Revolutionary design

PROPERLY FIT FOR MUCH RESTRICTED SPACES AND FOR TACTICAL USE.

#### QUICK, SIMPLE ASSEMBLY

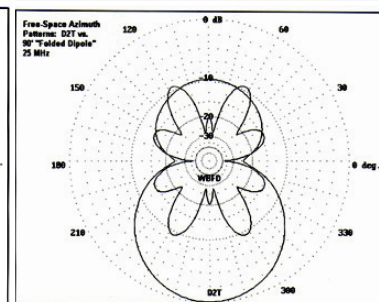
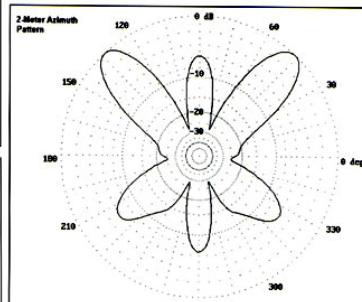
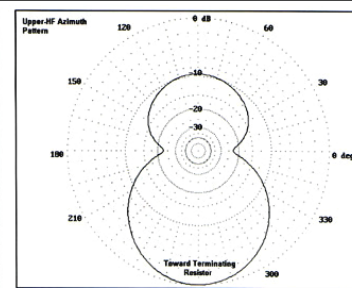
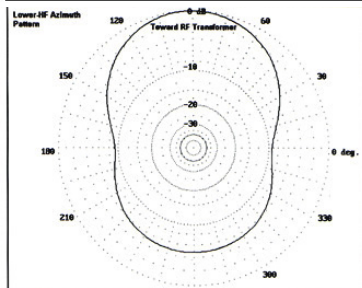
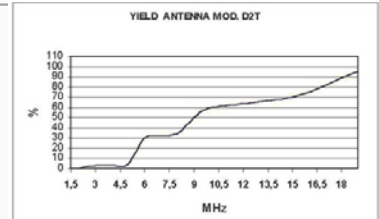
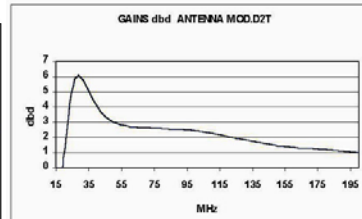
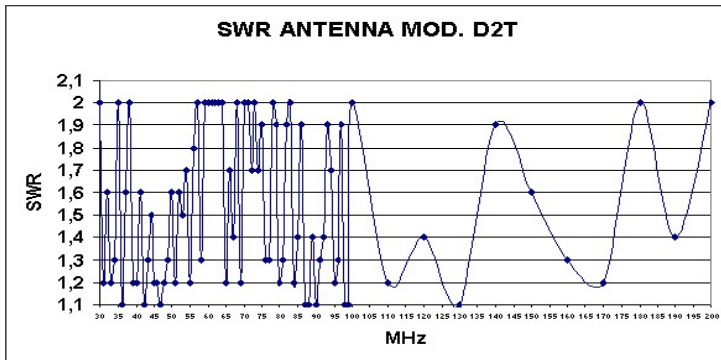
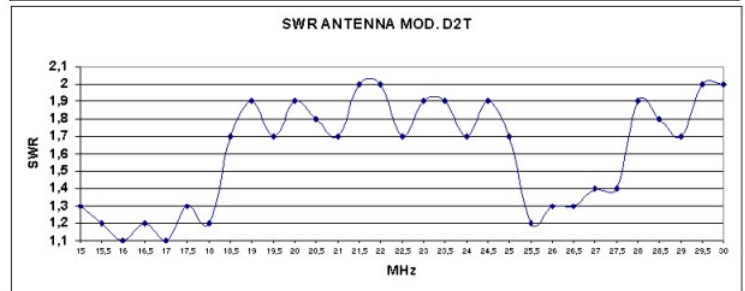
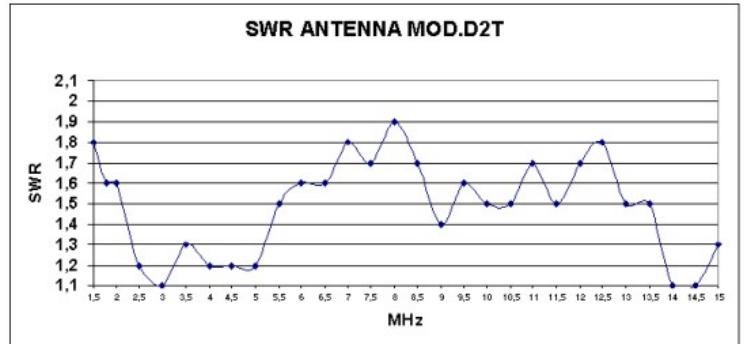
- WEIGHT : ONLY 6 Kos ( 13 lbs )
- ELEMENTS : ONLY 6 m. ( 19.8 ft )
- BOOM : ONLY 2 m. ( 6.6 ft )
- ONLY ONE 50 OHMS CABLE
- 1.5 - 200 MHz CONTINUOUS COVERING

" NO TUNING "

#### DESCRIPTION:

The D2T is a non-resonant high-impedance antenna, composed of two folded dipoles dephased by 180°. It has a non-inductive terminating resistor and broadband RF transformer fed with a single 50 Ohm cable. The D2T is bi-directional starting from about 10MHz with 10dB F/S. At 21MHz it gains 3dB with 5dB F/B and 10dB F/S, and progressively it reaches 6dB at 30MHz with 5dB F/B and 20dB F/S. At VHF it shows a daisy-type radiation lobe. Up to about 15MHz both the transmitted and received signals are attenuated (see the 'Yield' graph below).

D2T-M MECHANICAL-ELECTRICAL FEATURES	
CONTINUOUS COVERING	1.5 - 200 MHz
MAX. output POWER 1.5 - 80 MHz	1 KW PeP
" 80 - 200 MHz	500 W PeP
CONTINUOUS power , RTTY,CW,etc. 1.5-2.5 MHz	100 W
" 2.5-4 MHz	200 W
" 4-10 MHz	400 W
" 10-30 MHz	500 W
" VHF	250 W
SWR	SEE GRAPH
CONNECTOR	N FEMALE
BOOM	2m (6.6ft)
ELEMENTS	6m (19.8ft)
TURNING RADIUS	3.6m (11.8ft)
WEIGHT	6 kg (13 lbs)
MAX. SPEED OF WIND	km/h 161 (100mph)
" WITH 3mm ICE SLEEVE	90 km/h
SURFACE AREA	0.45 m <sup>2</sup> (4.9sq.ft)
EMPLOYMENT TEMPERATURE 1.5-10 MHz	-30°C - +25°C
" 10-200 MHz	-30°C - +40°C
STORAGE	-40°C - +85°C
SHIPPING Wt.	16 kg (35 lbs)
WOOD CASE m	m 1.05 x 0.15 x 0.15 (3.44 x 0.49 x 0.49 ft)



140 MHz - Free-space azimuth pattern of the D2T at about 2 meters.

6-- Azimuth patterns at 25 MHz for the D2T and a standard 90 ft. "folded dipole" terminated horizontal antenna. Note the 9 dB gain differential at this frequency.

