

D2T ANTENNA (2002 MODEL)

1.5 – 200MHz, 1kW PeP



- 1.5 - 200MHz CONTINUOUS COVERAGE
- NO TUNING REQUIRED
- USES ONLY ONE 50 OHM COAXIAL CABLE
- BOOM: 2m (6.6ft)
- ELEMENTS: 6m (19.8ft)
- WEIGHT: 6kg (13lb)

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REVOLUTIONARY DESIGN - SMALL SIZE - IDEAL FOR RESTRICTED SPACES

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).

Mechanical-Electrical Features		
Operating frequency range	1.5 - 200 MHz	
Maximum output power	1.5 - 80 MHz	1kW PeP
" " "	80 - 200 MHz	500W PeP
Max. continuous power output	1.5 - 2.5 MHz	100W
" " "	2.5 - 4 MHz	200W
" " "	4 - 10 MHz	400W
" " "	10 - 30 MHz	500W
" " "	VHF	250W
SWR		See graph
Connector		SO239
Boom		2m (6.6 ft)
Elements		6m (19.8 ft)
Turning radius		3.6m (11.8 ft)
Weight		6kg (13lb)
Maximum wind speed		150 km/h
" " "	with 3 mm ice sleeve	90 km/h
Surface area		0.25m ² (2.7 sq.ft)
Operating temperature range	1.5 - 10 MHz	-30°C - +25°C
" " "	10 - 200 MHz	-30°C - +40°C
Shipping Weight		6.5kg (14.3 lb)
Box		1.02x0.12x0.11m

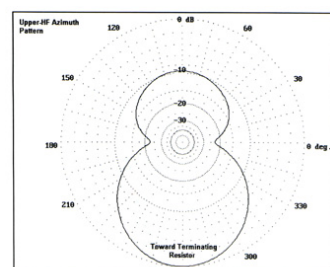
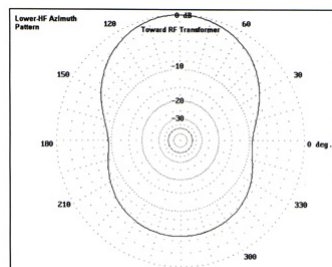
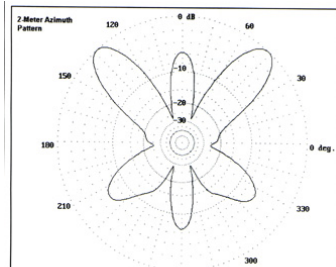
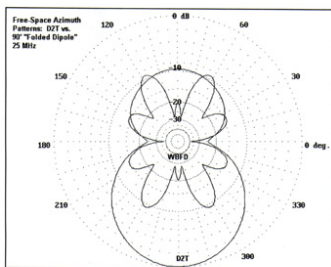
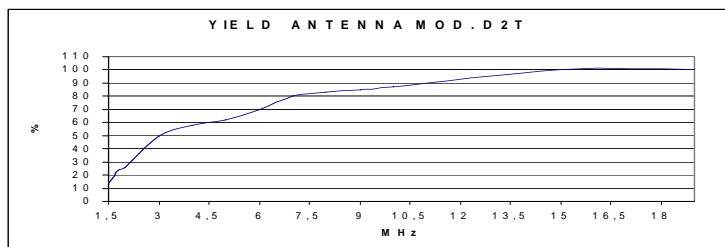
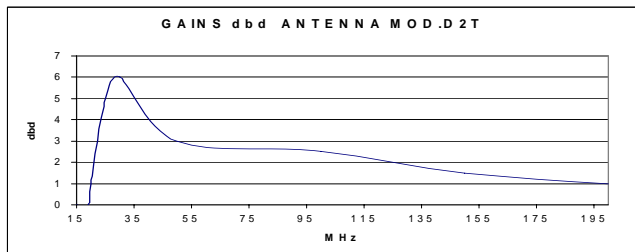
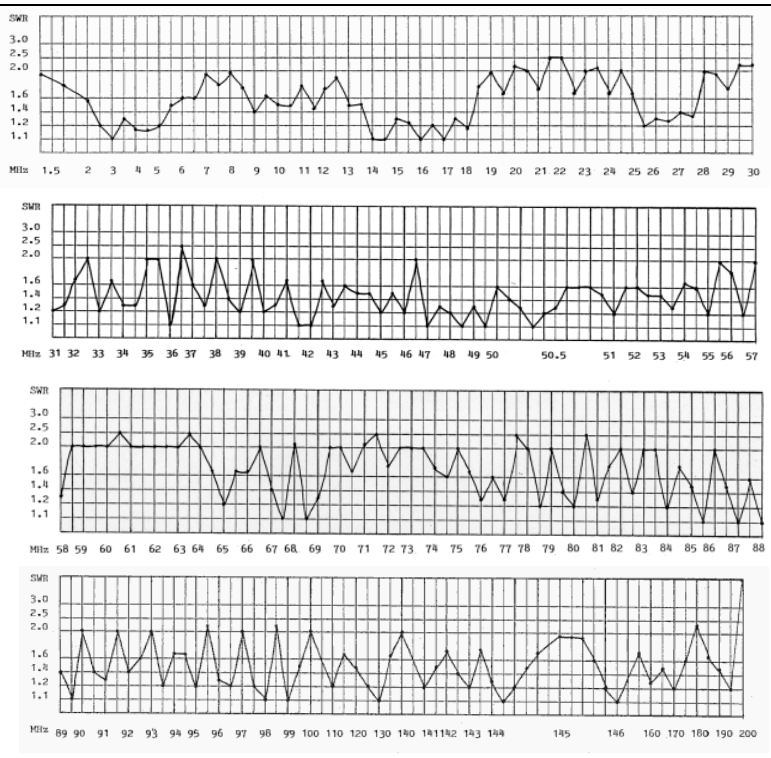


Fig. 6- Azimuth patterns at 25 MHz for the D2T and a standard 90° "folded dipole" terminated horizontal antenna. Note the 9 dB gain differential at this frequency.

Fig. 4- Free-space azimuth pattern of the D2T at about 2 meters.

Fig. 2- Free-space azimuth pattern of the D2T at a lower HF frequency (below 10 MHz).

Fig. 3- Free-space azimuth pattern of the D2T at a higher HF frequency (above 25 MHz).