

BROADBAND PROPAGATION Pty Ltd

Antenna Design & Supply

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EFB-1000-TM : TACTICAL HF BROADBAND END FED ANTENNA 1 KILOWATT

The EFB-1000-TM is an end-fed single wire HF broadband antenna designed for portable/ tactical use. It is operated as an inverted "V" Antenna and has a power rating of 1kw CW (4kw PEP)

The antenna has its feed-point conveniently located at ground level at one end of the antenna.

It is suitable for ground, vehicle and shelter installation and comes complete with a rapidly deployable earth radial system, 10m FRP hand operated telescopic mast and accessories.

The radiation pattern is directional with a component of high angle radiation at the lower frequencies for closer communication distances. (NVIS)

Construction is rugged and the antenna is designed to be portable and rapidly assembled and disassembled. The antenna and mast kit includes convenient carrying bags.

Erection of the antenna only requires a ground-space footprint of 20metres x 12metres

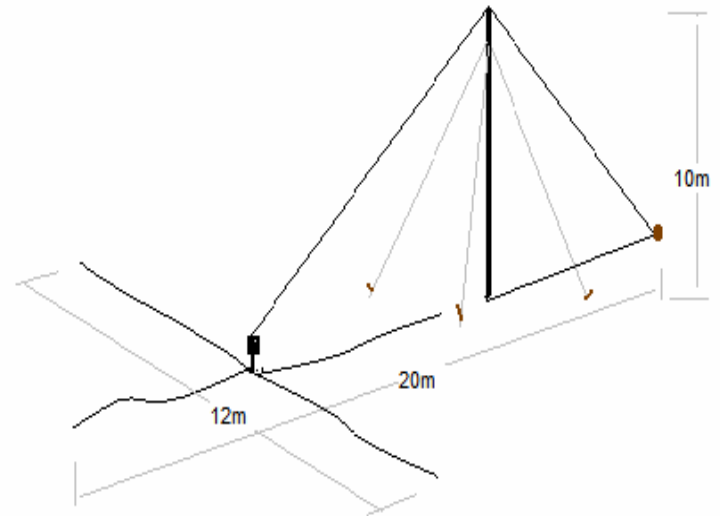
No antenna tuner is required

Specifications

Frequency range: 3-30 MHz
Input Impedance: 50 Ohms nominal
Power Input: 1 Kw Ave, 4 Kw PEP
VSWR: Better than or equal to 2:1 across the band
Polarisation: Vertical
Gain Min: -2dBi at 3 MHz
Gain Max: 4.5dBi at 30 MHz
Input Connector: N type Female
Radiation Pattern: Broadly directional with significant high angle component at lower frequencies
Antenna Length: 20m Including earth radials
Antenna Width: 12m Including earth radials

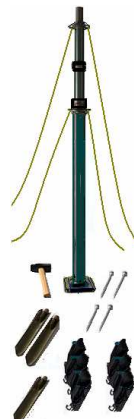
Options

#1 Supplied with nominated length of RG213 (low loss) coaxial cable fitted with N connectors at both ends.



Supplied with kit is
Model BPV-TM-35-8
Tactical Mast

No. of Sections	8
Extended Height	10m (35ft)
Retracted Height	1.8m
Guying Radius	6m
Mast Weight	3.35kg
Accessories Weight	5kg
Construction	Glass/ carbon composite



The antenna kit is supplied with

BPV-TM-35-8 Tactical Mast, guys stakes and ground plate.

Radiating elements & earth radial system kit.

One Kilowatt RF transformer.

Balun mounting stakes, and all other required accessories for a complete installation package.