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.