

Q-MAC Portable Broadband Antenna (standard version) - QM7005

Description:

The QM7005 Portable Broadband Antenna is a simple, rollout, end-fed broadband antenna designed for rapid deployment. The antenna is supplied with the HF-90 Manpack and Portable Package.

The antenna is designed and built for long life. It is constructed with plastic-coated (insulated) wire radiation elements that guarantee high resistance to corrosion. This means that the QM7005 antenna will significantly outlast other similar portable broadband antennas.

The antenna has the coaxial feed at one end of the antenna and requires only one mounting point (such as a tree or a post). The antenna is mounted high on one end and grounded to earth at the other end. It is neither necessary nor desirable to elevate the end of the antenna above 3 metres as keeping the antenna low enhances NVIS propagation. Typical deployment time is less than 10 minutes.

In very dry conditions, where there are no trees or posts, the portable broadband antenna can simply be stretched along the ground.

Note that the QM7005 antenna is supplied complete with 5m of RG-58 coaxial cable, throw cord, earth stake, counterpoise and earth clip. The antenna is supplied on a shuttle for easy deployment and storage. No mounting structures are included.

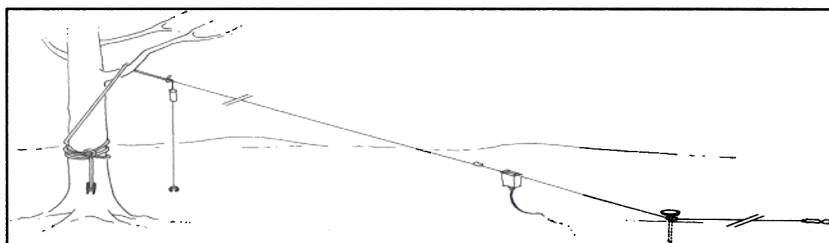
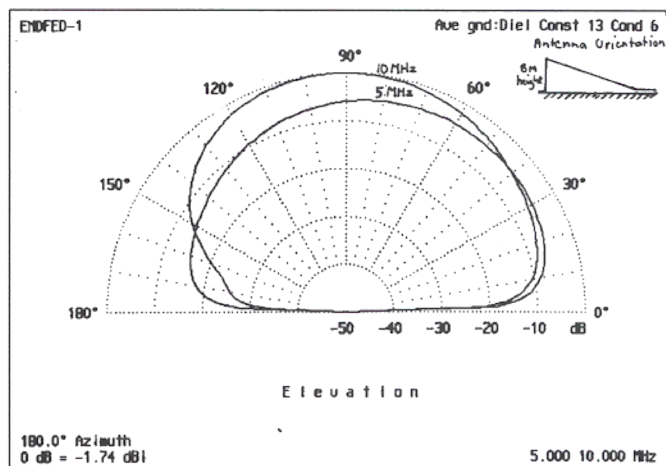
Specifications:

ELECTRICAL

Frequency Range: 2 – 30MHz
Impedance: 50Ω
Power Input: 100 Watt
Input Connector: BNC Socket

MECHANICAL

Shipping weight: 1.25kg
Recommended height: 3 metres
Radiating element : Plastic-coated wire
Length: 16m



The illustration above shows the Portable Broadband Antenna set up using the alternative method - ie. using the earth stake and counterpoise to earth the antenna (illustration is not to scale).