

Tactical VLF/LF/MF Watson Watt Antenna

0.009 – 1 MHz*

VERSION: 1.2

Product Code: DF-A0097

SPECIFICATIONS:



Electrical:	
Frequency range	0.009 – 1 MHz*
VSWR	< 5.0:1 (over 90% of the band)
Nominal impedance	50 Ω
RF power handling	Passive, receive only
Polarisation	Vertical
Connectors	3 x N-type female
Null depth	> 15 dB
Omni pattern ripple	< 3 dB peak to peak
Antenna gain at connectors	See gain graph overleaf
Mechanical:	
Total height (deployed/stowed)	< 4500/2500 mm
Total diameter (deployed /stowed)	< 2000/350 mm (excl. quadpod) < 3000/350 mm (incl. quadpod)
Total mass	< 20 kg
Mounting	- Self-standing with quadpod - Guys ropes for high wind - Bolt hole flange for semi-permanent on plinth
Colour	Per request
Environmental: designed to meet the following specifications	
Temperature range	Designed for storage: -30 °C to +70 °C Designed for operation -30 °C to +55 °C
Weatherproofing	Designed for IP55
Shock and vibration	Designed for MIL-STD 810E 516.4: vibration category 8, shock 40 g
Exposed materials	Painted aluminium and fibreglass

* Possible extension to 10 MHz

PRODUCT FEATURES:

- Tactical
- Low visual profile
- Quick deployment
- Compact stowed form factor
- Optimised for low frequency operation
- Tactical mounting system included

APPLICATIONS:

- VLF/LF/MF direction finding
- Tactical DF

PRODUCT DESCRIPTION:

A crossed-loop/monopole direction finding antenna for use with Watson Watt method, with a large diameter of 2 m to achieve a high sensitivity for the size available. The loop design is optimised for use in the VLF/LF/MF bands for maximum sensitivity for the small size of the antenna.

The antenna is collapsible for transport and storage. It is made of aluminium elements and coaxial cable, with aluminium and composite mechanical parts. A lightweight composite quadpod supports the antenna above the ground. The quadpod collapses against the antenna when stowed.

A complete kit of parts including antenna, anchor stakes and guy ropes, is supplied with each antenna. The complete antenna and all accessories fit into the supplied shipping crate.

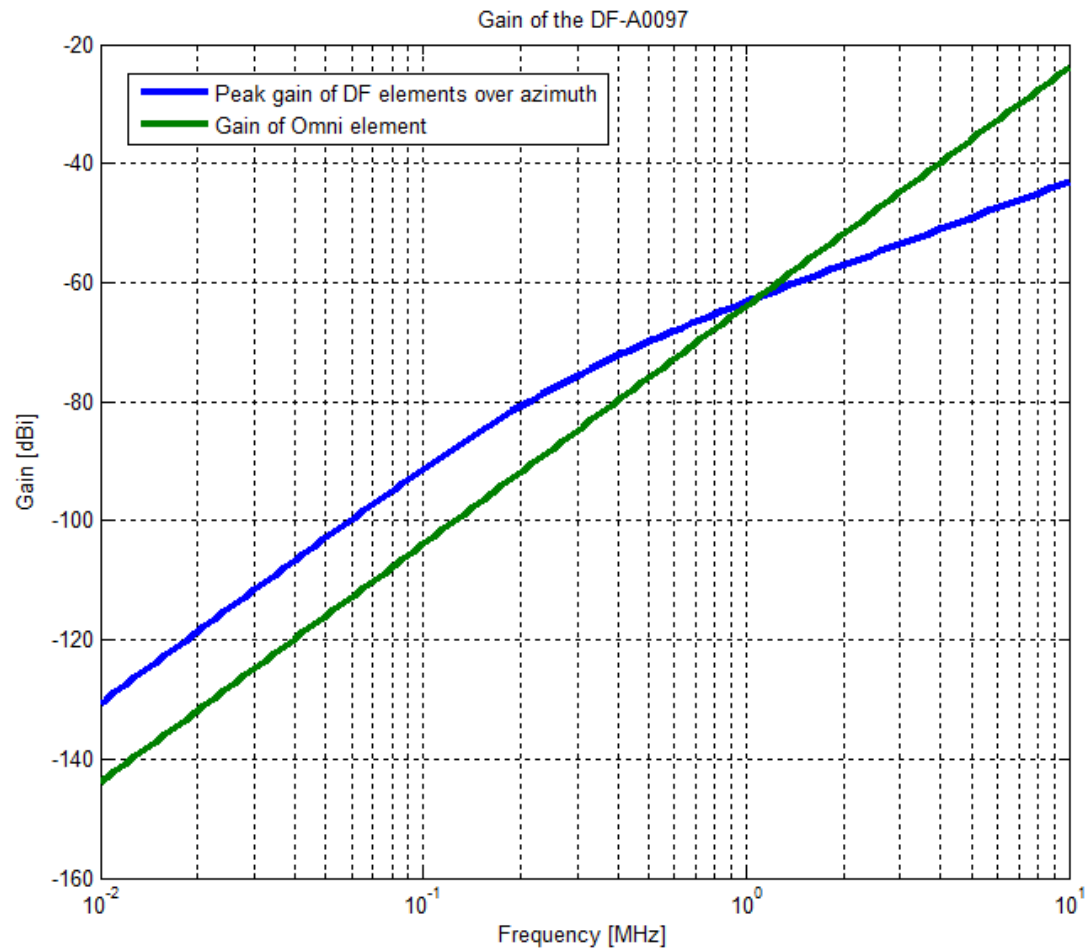
Tactical VLF/LF/MF Watson Watt Antenna

0.009 – 1 MHz*

Product Code: DF-A0097

VERSION: 1.2

GAIN PLOT:



**AUTHORIZED USA
DISTRIBUTION BY:**

Cyntony Corporation
195 Follen Road
Lexington, Massachusetts
sales@cyntony.com
781-430-0675



**GAIN THE
ADVANTAGE**