

Operating Manual

C★MET ANTENNA

Model: CWA-840

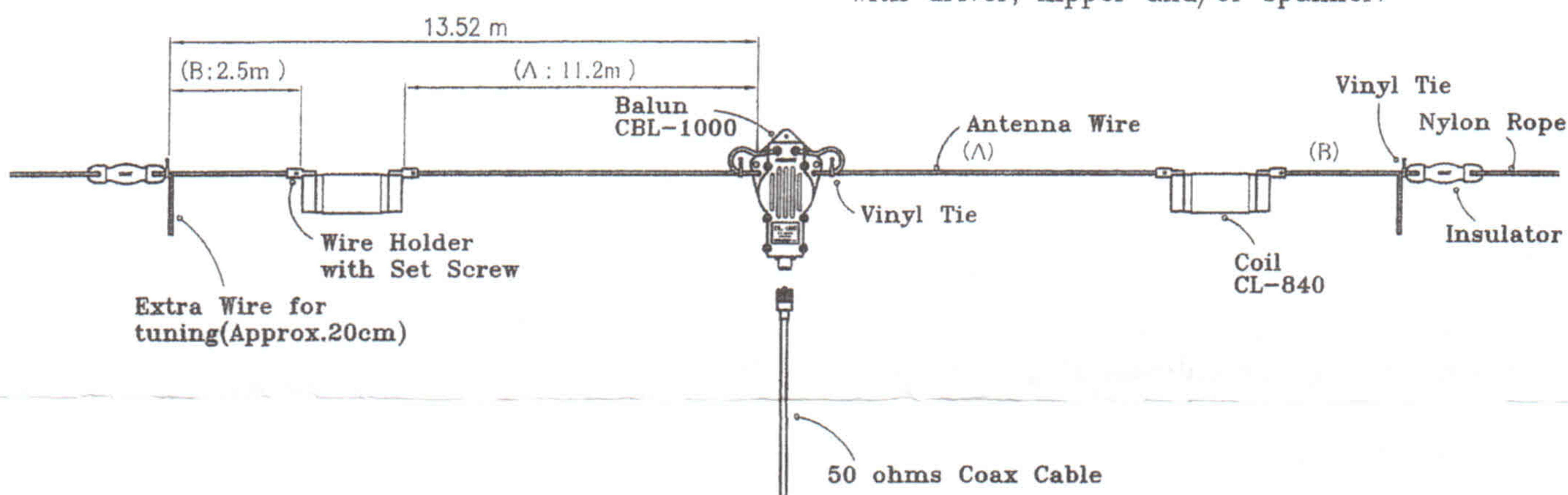
HF Dual Band Dipole Wire Antenna
For: 3.5MHz & 7MHz

Many thanks for your best choice of our products.

For your safety use:

Please read through this Operation Manual initially for correct assembling and proper operation.
At opening package and before assembling, please check all components are involved.

Complete Assembled Figure

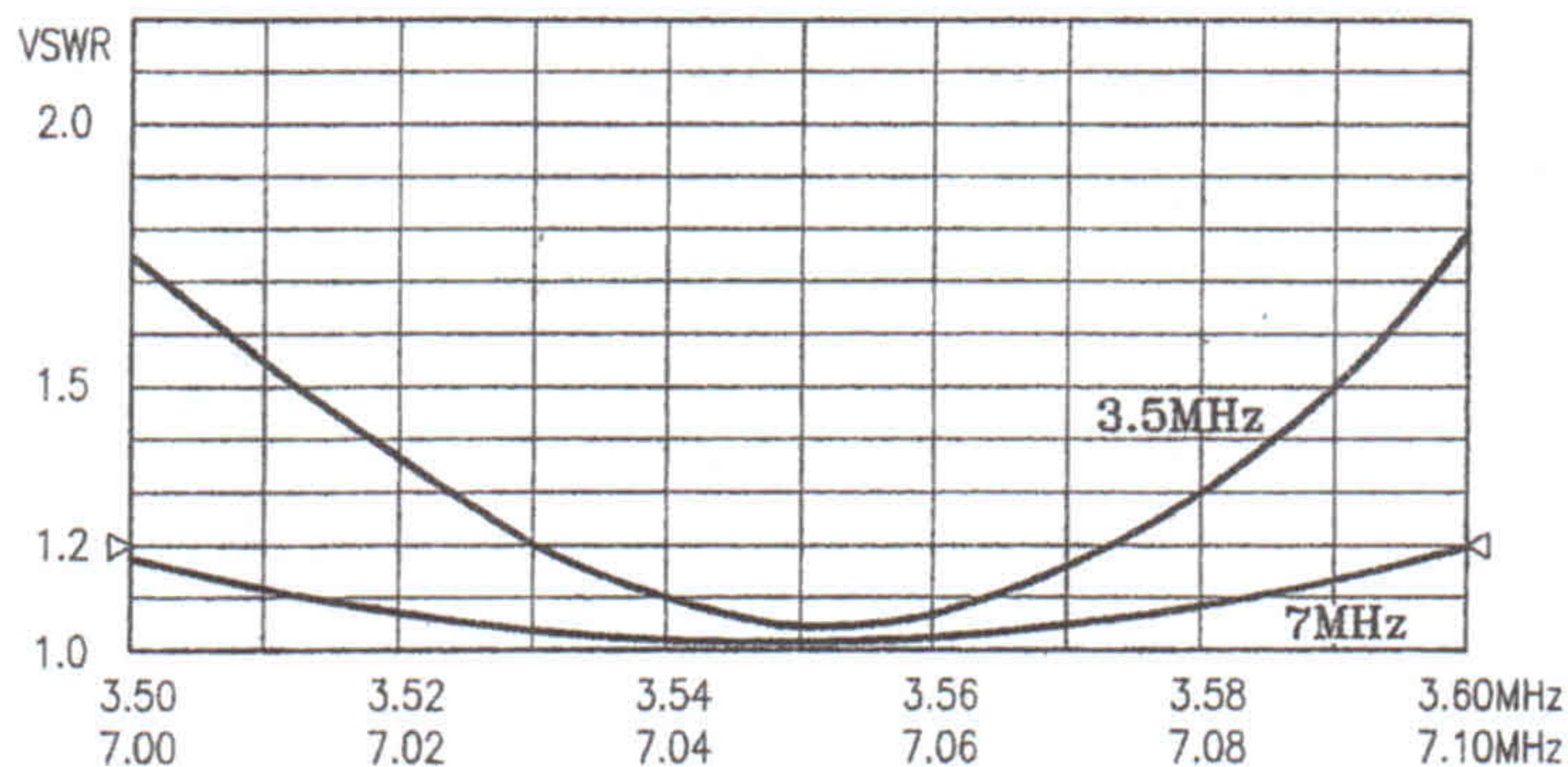


Dipole Antenna is one of the most fundamental methods for communication. Please start assembling and frequency adjustment with full reference of the following explanations, with driver, nipper and/or spanner.

Specifications:

Frequencies	3.5 , 7 MHz
Impedance	50 Ω
Max. In-put Power	500W (PEP) 300W (CW)
V S W R	Less than 1 : 1.2
Total Length	27.2 m
Balun connector	M-J Type(S0-239)

V.SWR Characters :



Assembling Works :

1) Antenna Wires to balun

Pass the (A) Wire through the Hole it firmly with vinyl tie. Then, assemble both (A) Wires with terminals to front & back side of the balun, with bolt nut, as shown on Fig. 1.

2) Antenna Wires to coils

Insert wires into the metal brackets of coils and fasten tightly with set screw.

At this occasion, no need to take off the outer cover.

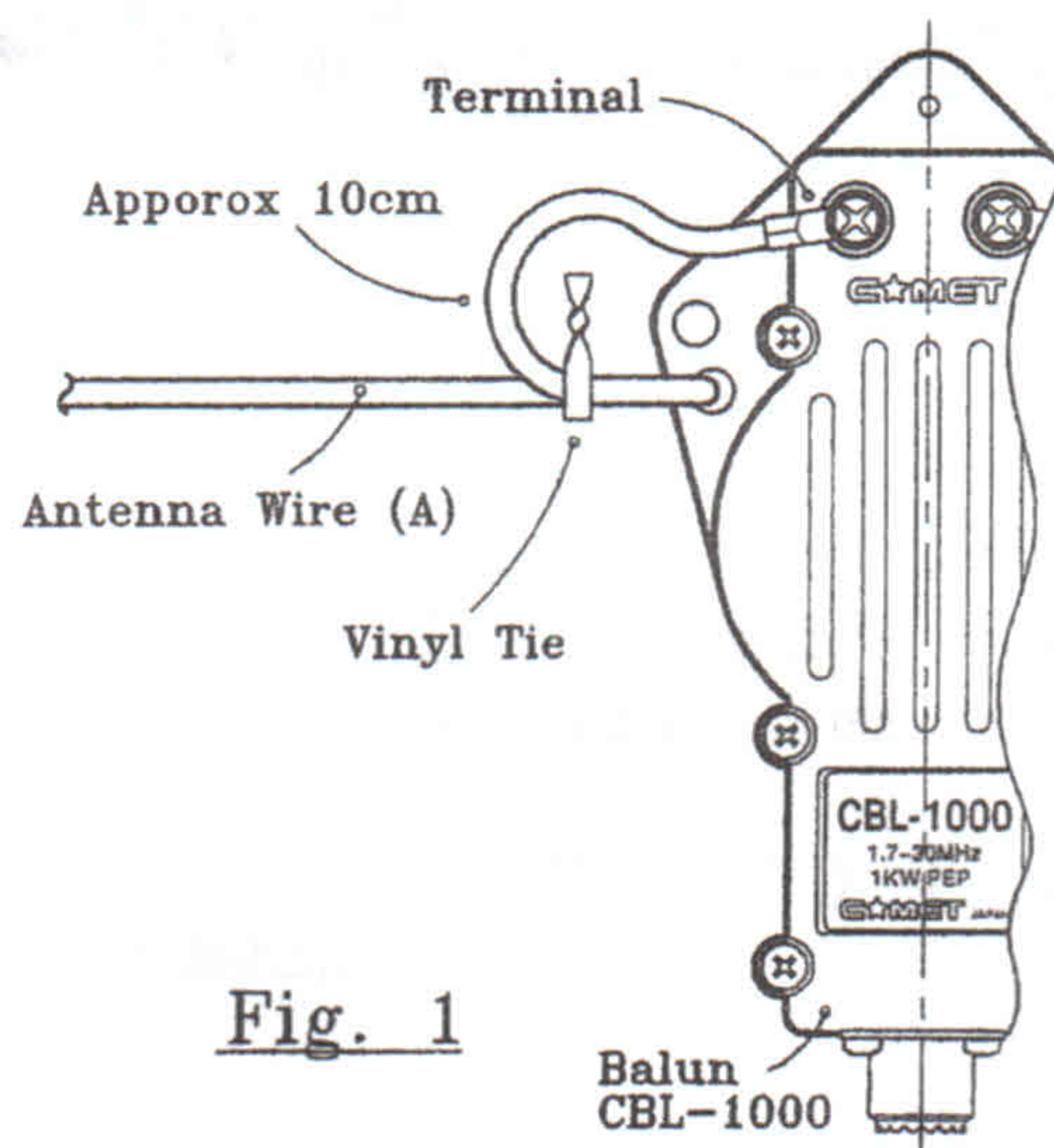


Fig. 1

3) Antenna Wires to Insulator

Please assemble as 1) (A) Wire.

After tight fastening with vinyl tie, please prepare extra wire, length of 20cm approx., for the frequency adjustment.

Frequency Adjustment CWA-840

- ① Set up the whole assembly to the desired location initially. Then, measure out V.SWR of 7MHz firstly. If the frequencies are lower than the desired, unfasten the Set Screw of (A) Wire (on coil, CL-840), and cut its end little by little. 10cm cut-off may change the frequency higher, approx. 70KHz.
- ② Then measure out V.SWR of 3.5MHz. Adjust length of (B) Wire, just as done in 1). Each 10cm may change frequency of 60KHz.

Remarks:

- ① Please cut-off the elements little by little, watching your SWR Meter.
- ② Please set-up the antenna at good location as possible.
- ③ Kindly proceed sufficient Water-Proof, at the coax. joint section, for long period use, with self-melting tape and vinyl tape.

Note & for operation:

- This antenna is for amateur radio operator, Do not use other than for the purpose of antenna.
- Please use this antenna within the standard and specifications described in this manual.
Failure to this may cause heat up and break down of the unit.
- Whatever damage and the malfunction which is due to the repair and the reorganization at end-user itself occur, it doesn't take the responsibility.

【Maintenance】

- ☆ If mal-function is occurred, stop operation and try to find the reason. If it is not settled, please contact the store/shop where you purchased the antenna or our Engineering Department.
- Before driving start, please check the VSWR is in correct position.
- Routinely, please confirm tight fastening of each Set Screws.

【Customer Service】

- Replacement parts and accessories are available at our dealer and our factory.
- This quality product is manufactured under strict quality control. Please contact the store/shop for those damaged by transportation.
- For further information about assembling work and other technical matters, please contact to our Engineering Department.

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