

Heavy duty, high-gain base station antenna

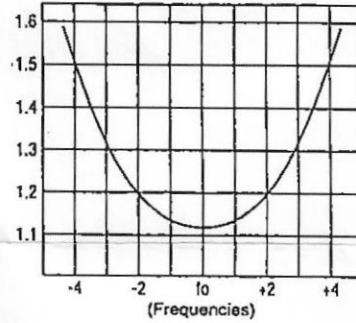
Features

- High-gain : 5.5dBi base station antenna.
- 1-piece fiber glass is heavy duty and durable against weather and pollution.
- Frequency can be easily adjusted according to the below element cutting chart.  
 (Or, the frequency will be fixed before delivery, if appointed at the time of order confirmation.)

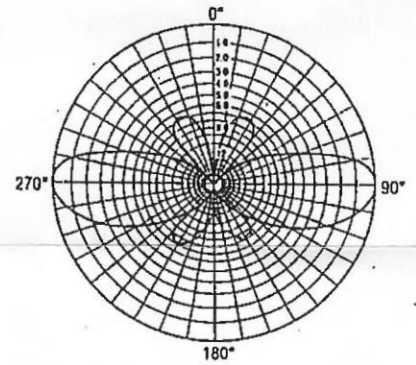
Specifications

Frequency : F72GFL [400-460MHz]  
 F72GF [440-480MHz]  
 Gain : 5.5dBi [5 λ/8 2-step]  
 VSWR : 1.5 or less  
 Impedance : 50 ohms  
 Connector : N-Female  
 Max.Power : 150 (FM)  
 Weight : approx. 1kg  
 Length : approx. 1.25m

V. SWR Characters:



Beam Pattern:



How to adjust frequency

- 1) Unfasten the Fix-screw at the low end of power-feeding section. (Fig.1)
- 2) Then, pull out whole inside wiring assembly as shown on Fig.2
- 3) Please adjust length of L1 (L1') and L3 (L3') according to the element cutting chart. CA-F72GFL can change the length of the phase shifter (L2).
- 4) When the adjustment is finished, the element is returned in the fibreglass and it fixes.
- 5) Before insertion, silicone at the connector section will be recommended for complete water-proof.

Fig.1

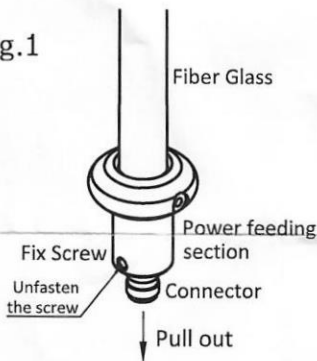
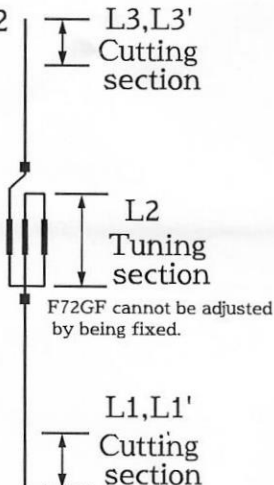
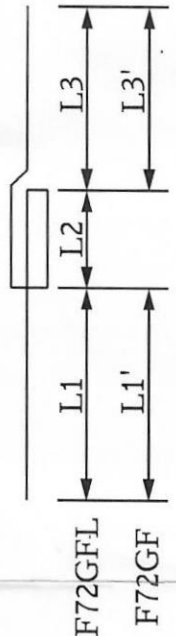
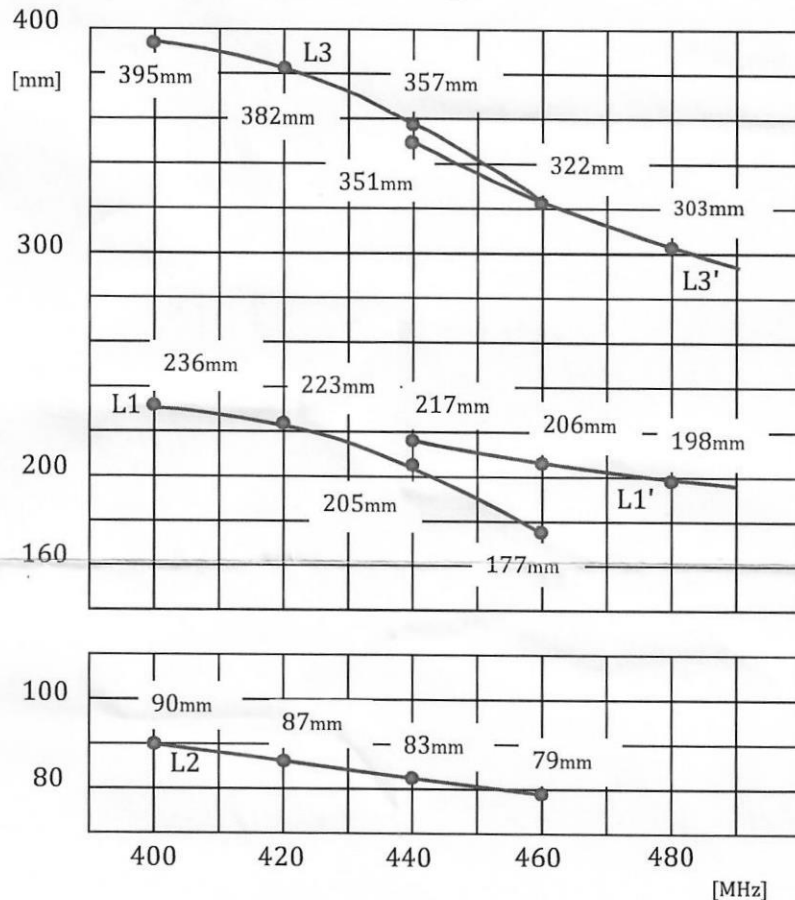


Fig.2



Element length cutting chart



Length is a reference value.

Note

- Because high UHF frequency, please use high quality coax. cable and connectors.
- Kindly provide sufficient water-proof works, on connector joint section, for long period use.