

Maldol

- Owners' Manual -

Model GHX-510

*** Base Station Antenna for 50/144/430MHz ***

Features:

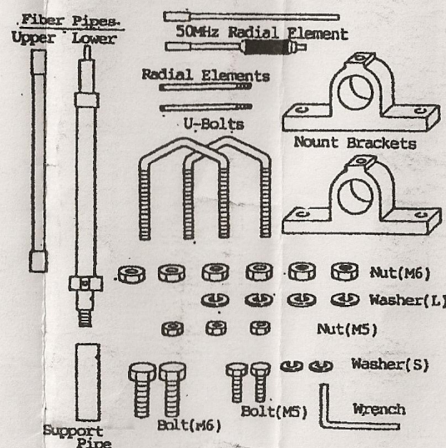
1. High gain tri-bands base station antenna
2. Light-weight, but durable double-support joint system
3. 50MHz frequency can be adjusted easily, by extending the radial in/out.

Parts-List:

Please confirm the contents initially.

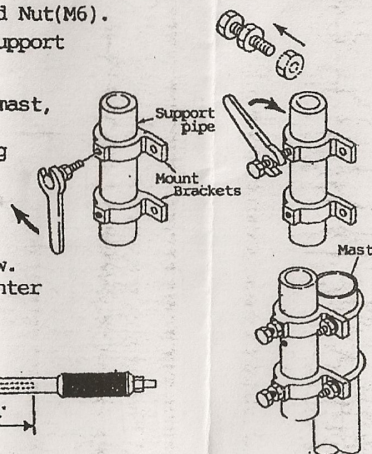
Specifications:

Freq. & Gain :	50MHz 3.0dBi
	144MHz 6.2dBi
	430MHz 8.4dBi
V. SWR :	Less than 1: 1.5
Impedance :	50 ohm
Max Power :	200W/FM total
Length :	2,650mm
Weight :	1.3kgs.
Mast dia. :	25 - 60mm
Connector :	SO-239 (M-J)

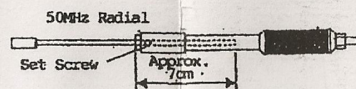


Assembling & Mounting Works:

- 1) Prepare 2 assemblies of Bolt(M6) and Nut(M6).
- 2) Then, assemble Mount Brackets and Support Pipe, with Bolt(M6) and Nut(M6).
- 3) The Brackets can be mounted to the mast, dia. 25 to 60mm. Then, mount the Bracket Assemblies to your Mast using U-Bolt, Spring Washer(L) and Nut(M6).



- 4) Assemble 50MHz radial as shown below. When the element is inserted 7cm, center frequency will be 51MHz.



- 5) Take off the Cap of the Upper Fiberglass and pull out the inner element 4-5cm.

- 6) Assemble the Upper Element to the Joint Adaptor of lower Element and fasten the Set Screw firmly.

Then, joint Upper and Lower fiber pipes.

- 7) Assemble 3 Radial Elements to the Radial Holder.

- 8) Pass the coax. cable through the Support Pipe and assemble it to the antenna connector.

- 9) Mount the whole antenna assembly to the Support Pipe, and fix it using Washer(S) and Bolt(M5)-2 places.

*The location of Radials is to be higher than the Mast.

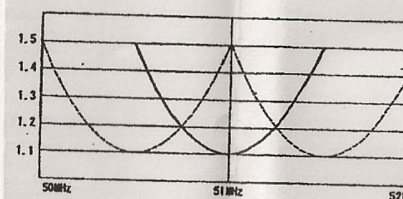
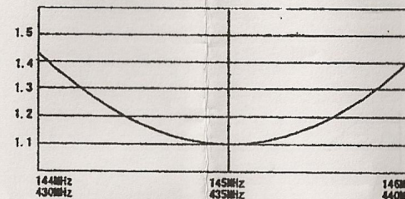
Frequency Adjustment:

*No adjustment is required on: 144/430MHz.

*By extending the Radial Element, you can change the Center frequency of 50MHz: Longer Element-lower freq., shorter-higher freq.

For frequency checking, please use SWR meter.

V. SWR Characters:



- Requests: 1) GHX-510 includes high 430MHz. Please use high quality coax. cable of 50 ohm standard.
2) Please set up the antenna more than 2m apart from surrounding obstacles, to keep high electric performance.

Hokushin Industry Co., Ltd.
Chiba Pref., Japan

