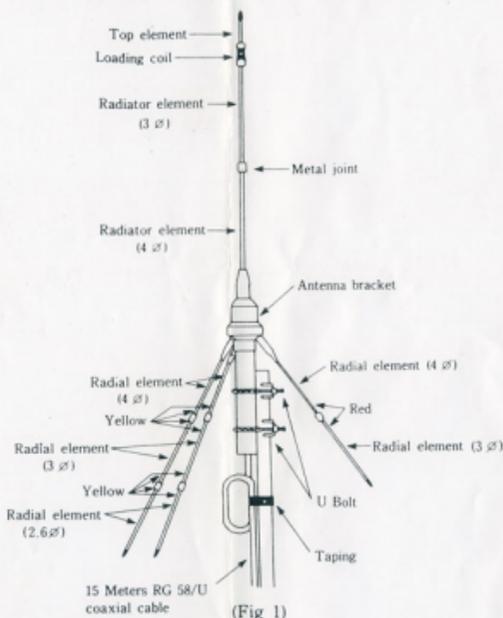


TX/RX DUAL BAND ANTENNA MODEL CA-1000

The supplied dual band ground plan (G.P.) antenna is exclusively designed and the G.P. elements are made of the bold stainless steel elements of 1/4 lambda length which is the most effective electrical length for transmission and reception.



G.P. ANTENNA ASSEMBLY

- 1) ANTENNA BRACKET (with 15 meters RG-58/U cable)
- 2) U-BOLTS
- 3) TOP ELEMENT
- 4) RADIATOR ELEMENTS
- 5) RADIAL ELEMENTS
- 6) LOADING COIL
- 7) HEXAGONAL WRENCH

ANTENNA INSTALLATION

Refer to the picture (Fig 1) for installation.

1) Assembly of Radiator elements

Assemble the element in the order of COLORLESS (4 \varnothing), COLORLESS (3 \varnothing), Loading Coil and Top element.

There are two types of Top ELEMENT according to a frequency and a right element shall be used, checking your unit frequency. Use WHITE COLOR top element for CH 201-220/501-520 and BLUE COLOR top element for CH 221-240/521-540. It is unnecessary to use top element for CH 241-260/541-560.

2) Assembly of Radial elements

A) Radial element for Transmission

Assemble the element in the order of YELLOW (4 \varnothing) element, YELLOW (3 \varnothing) element and YELLOW (2.6 \varnothing) element. Make two sets of TX radial element.

B) Radial element for Reception

Assemble the element in the order of RED (4 \varnothing) element, RED (3 \varnothing) element

- 3) Install the assembled elements to an Antenna bracket which shall be fastened to a Pole with 2 U-bolt supplied. Coaxial cable must be in one turn and should be fixed with tapes on the antenna pole. Do not use metal wire.

CAUTION

The antenna installation is extremely important for communication equipments. And the installation of the G.P. antenna must be carefully made in order to obtain the maximum performances of the G.P. Antenna

If good communication range is wished, build the antenna as high as possible, and use tall antenna pole on top of your building.

If the supplied coaxial cable is not enough length, use bolder coaxial cable for the extension because the cable loss become large as you extend the cable.

Mount the antenna where there are no metal or concrete objects within the horizontal sight. If there are the objects, extend the antenna pole so that the antenna projects from them to the sky.

Use the metallic antenna pole, and take note to use proper TOP ANTENNA ELEMENT according to the frequency.

MODEL CA-1000

エレメント寸法

