



## Operation Manual

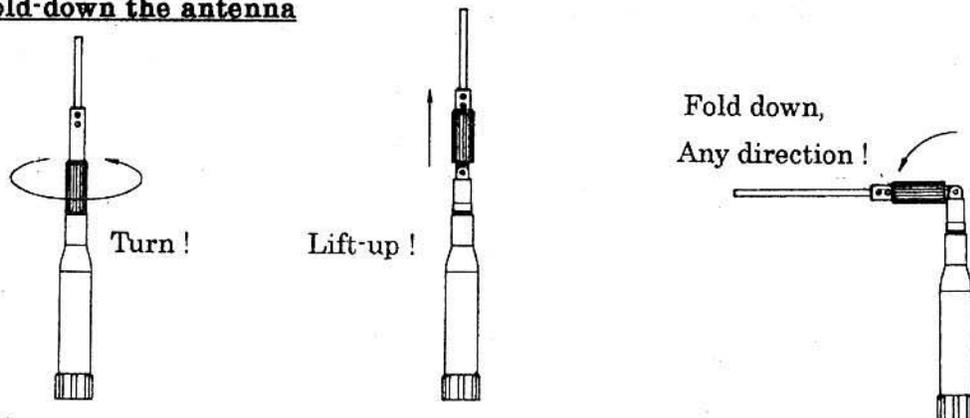
# UHV-6

### Multi Band Mobile Antenna for HF(7, 14, 21, 28 MHz), 50, 146 and 446MHz

#### Features :

- ★ Developed for transmitting 50, 146 & 446MHz basically. With additional use of HF-coils+ Elements, UHV-6 can be used for 6 or 7bands easily.
- ★ UHV-6 is developed for multi-purpose operation. Frequency characters of 50/146/446MHz, however, will keep always best condition, irrespective of any additional use of extra coils and elements.
- ★ Combination use, with COMET duplexer, such as CF-530 or CF-706/CF-360, allows multiple TX and RX, at the same time.
- ★ Free direction Fold-Over is convenient while parking the car in narrow space.

#### How to fold-down the antenna



#### Specifications :

Frequencies	: 7, 14(option), 21, 28, 50, 146 & 446MHz
Gain	: HF-50MHz / 0dB, 146 / 2.15dBi, 446 / 5.5dBi
V. SWR	: Less than 1: 1.6 (50 / 146 / 446MHz 1 : 1.5)
Impedance	: 50 $\Omega$
Max. Power	: 120W / SSB (50+146MHz-200W /SSB)
Weight	: 460(min.) - 580g(max.)
Length	: 1.9m (max. at 7MHz operation)

#### Frequency Adjustment :

- ★ 50 / 146 / 446MHz. Basically, no adjustment is required.
  - 1) In case of 50 / 146MHz, finer freq. control can be done, adjusting length of Element. Please unfasten the Ele. Fix Screw.

2) HF-bands- Antenna length is shorted at each loading coils. Freq. control at each HF-bands can be done, by adjusting the length of each adjust Elements, extending or cutting little by little. When the elements were cut too much by mistake, please use extra elements (90mm / 2pcs. 550mm / 1pcs.) involved in the package.

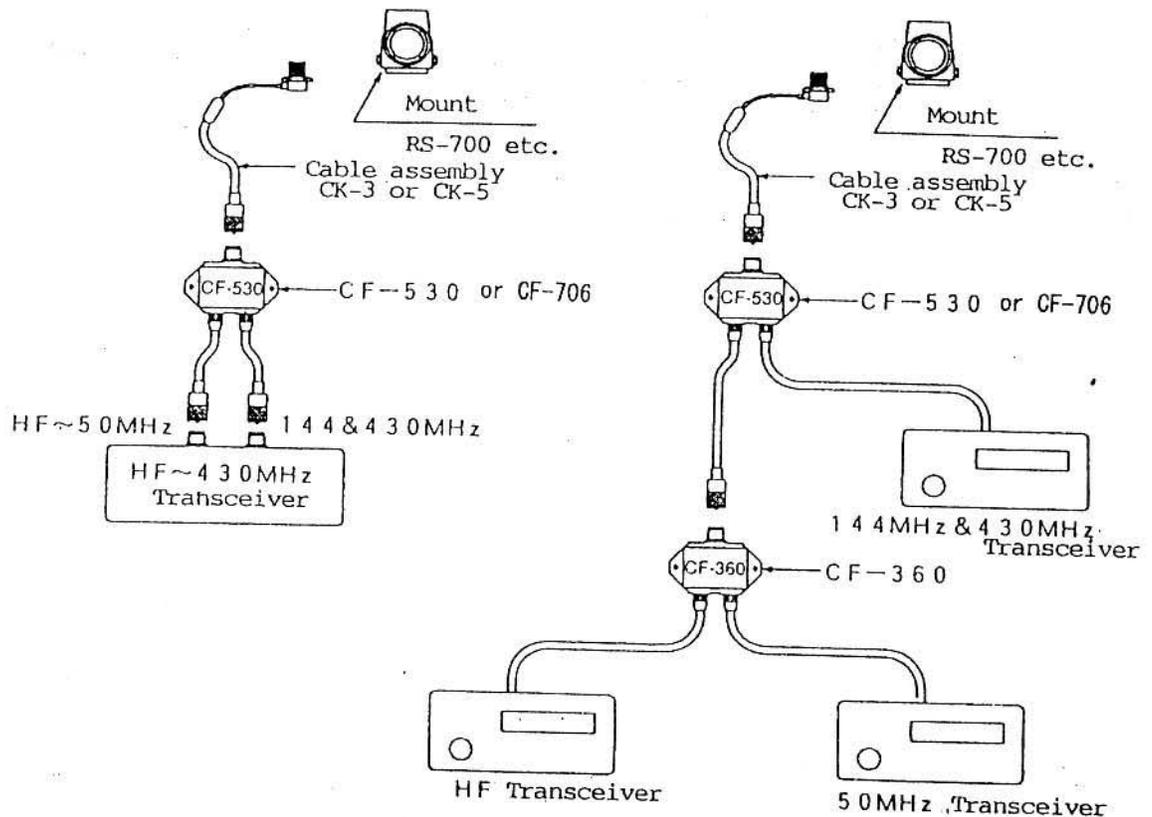
**Frequency Shift by each 1cm are :**

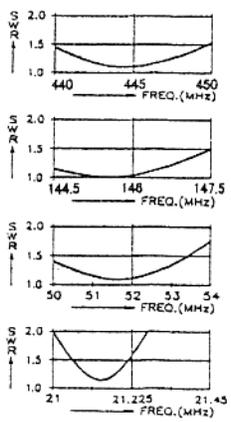
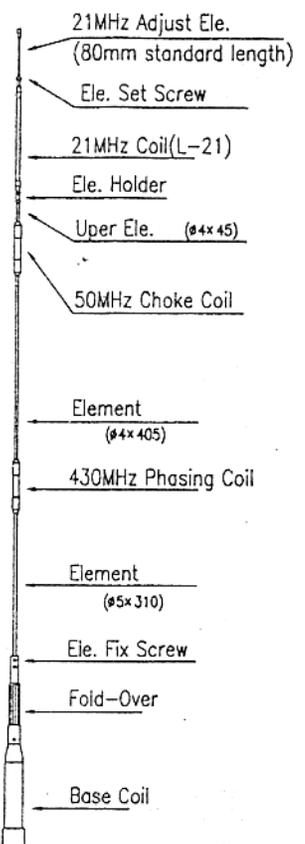
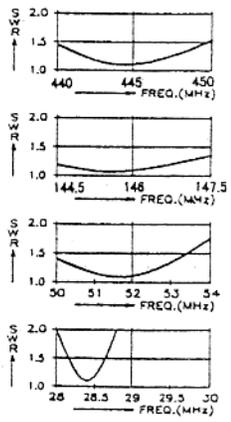
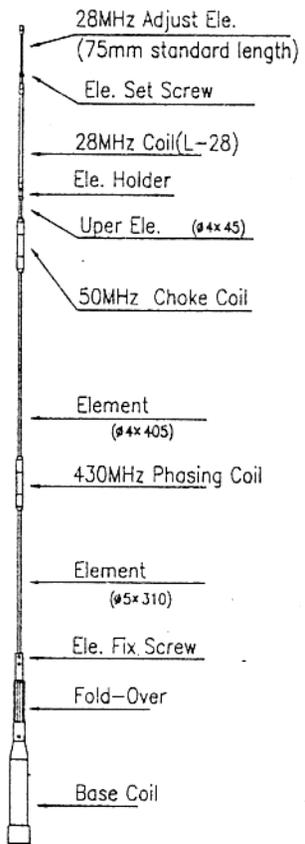
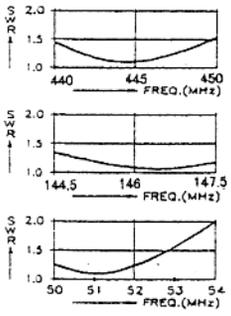
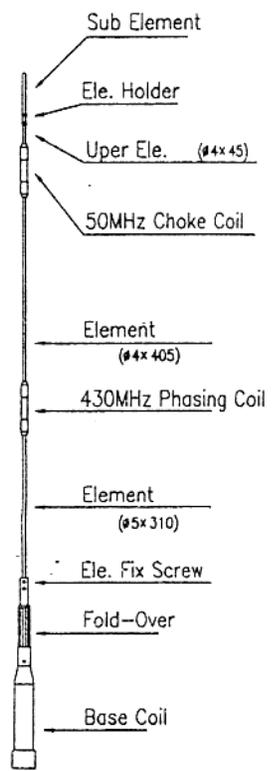
7MHz.....0.042MHz	21MHz.....0.35MHz
14MHz.....0.25MHz	28MHz.....0.5MHz

**Note & Remarks :**

1. Please read through this Operation Manual initially, before assembling start, and find out the desired Frequency Combination.
2. model UHV-6 includes many components. Before driving start, please confirm tight fastening of each Set Screws.

★Wiring Examples with Mount, Duplexers CF-530 or CF-706,CF360





Please do not remove the top-tip. If removed, Corona electric discharge will arise from 25-30W operation at 7 or 14MHz

