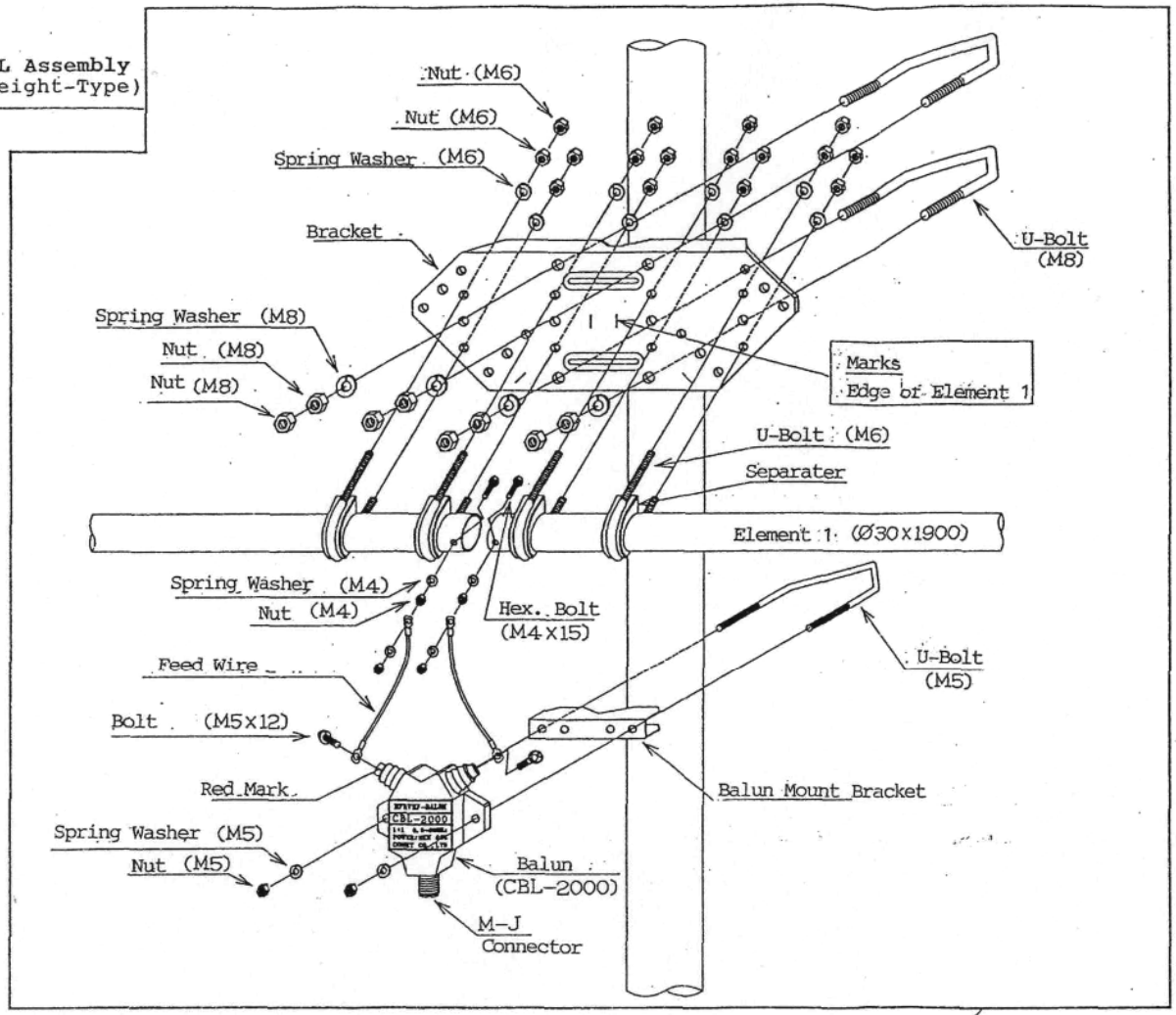
Features:

1) Newly designed Non-Space, Wide Band dipole antenna.
2) Can be used both Straight-type and/or V-type. When used as V-type, ready On-Air from low location of 3m high from the ground.
3) CBL-2000, high power 2KW/SSB balun, is included as the standard accessory, which helps for preventing TVI, BCI and other interference.
4) Specially developed High Power Trap Coils assure high power QSO constantly.
5) The 3 Radiator Sizes - LOW, MID, HIGH - were illustrated for much FB transmission at 21 & 28MHz.

Specifications:

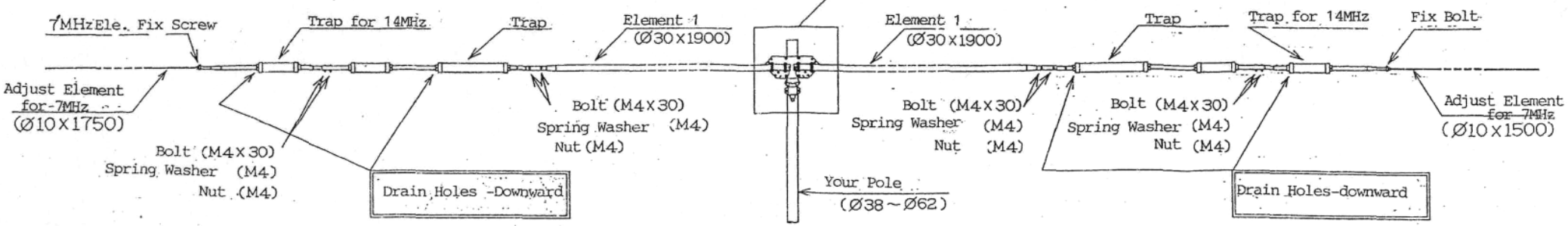
Frequencies	7, 14, 21, 28MHz.
Impedance	50 ohm
V. SWR	Less than 1 : 1.5 at center frequency
Max Input Power	1KW (SSB)
Connector	M-J (SO-239 type)
Max wind velocity:	35m / sec.
Length	10.3m (Straight type)
	7.4m (V-type)
Weight	5.4 kgs.
Rotation Radius	5.3m (Straight type)
	3.8m (V-type)
Suitable mast:	38 - 62mm dia

★ FULL Assembly
(Streight-Type)



★ PARTS' LIST

Nos.	Parts' Names	Qty
1	Element 1 (ø30 x 1900)	2
2	Trap	2
3	Trap for 14MHz	2
4-1	Adjust Element for 7MHz(ø10x1500)	1
4-2	Adjust Element for 7MHz(ø10x1750)	1
5	Mounting Bracket Assembly	–
5-1	Bracket	1
5-2	Separater	4
5-3	U-Bolt (M6)	4
5-4	Spring Washer (M6)	8
5-5	Nut (M6)	16
5-6	U-Bolt (M8)	2
5-7	Spring Washer (M8)	4
5-8	Nut (M8)	8
6	Parts for Element Assembling	–
6-1	Bolt (M4 x 30)	8
6-2	Hex. Bolt (M4 x 15)	2
6-3	Spring Washer (M4)	12
6-4	Nut (M4)	12
7	Balun Mounting	–
7-1	Balun CBL-2000	1
7-2	Balun Mount Bracket	1
7-3	U-Bolt (M5)	1
7-4	Spring Washer (M5)	2
7-5	Nut (M5)	2
7-6	Bolt (M5x12)	2
7-7	Feed Wire (w/contal nut)	2



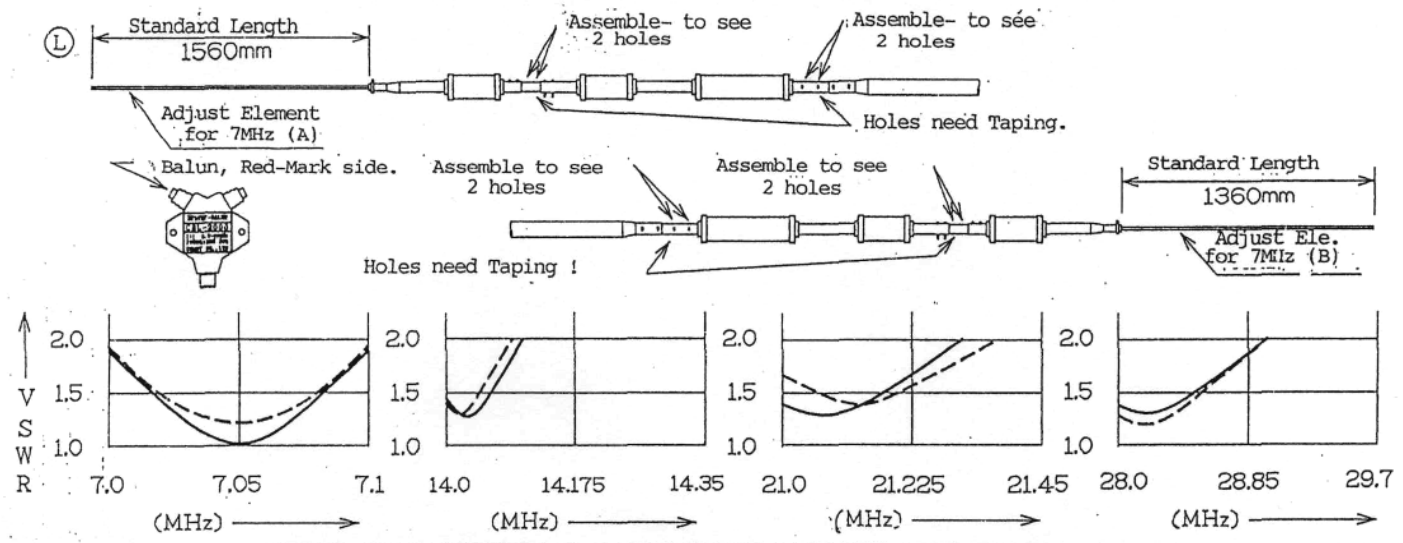
● Measurement & SWR Characters
(Streight - Type)

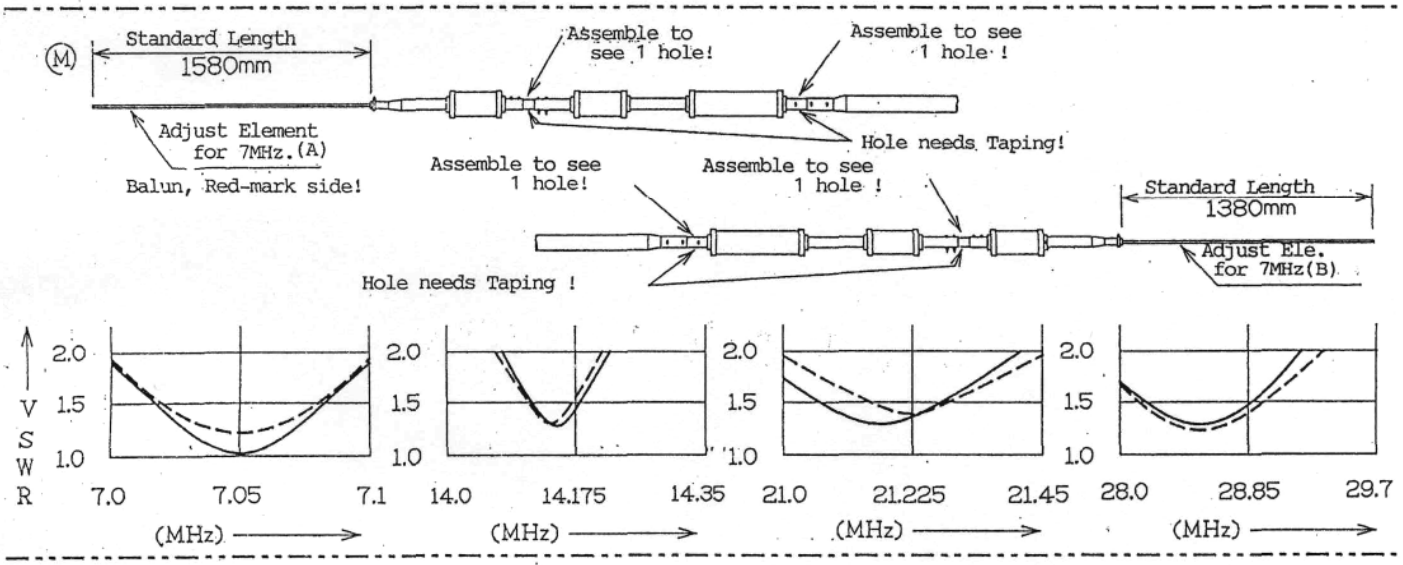
◎ CW-operation - Ⓛ location

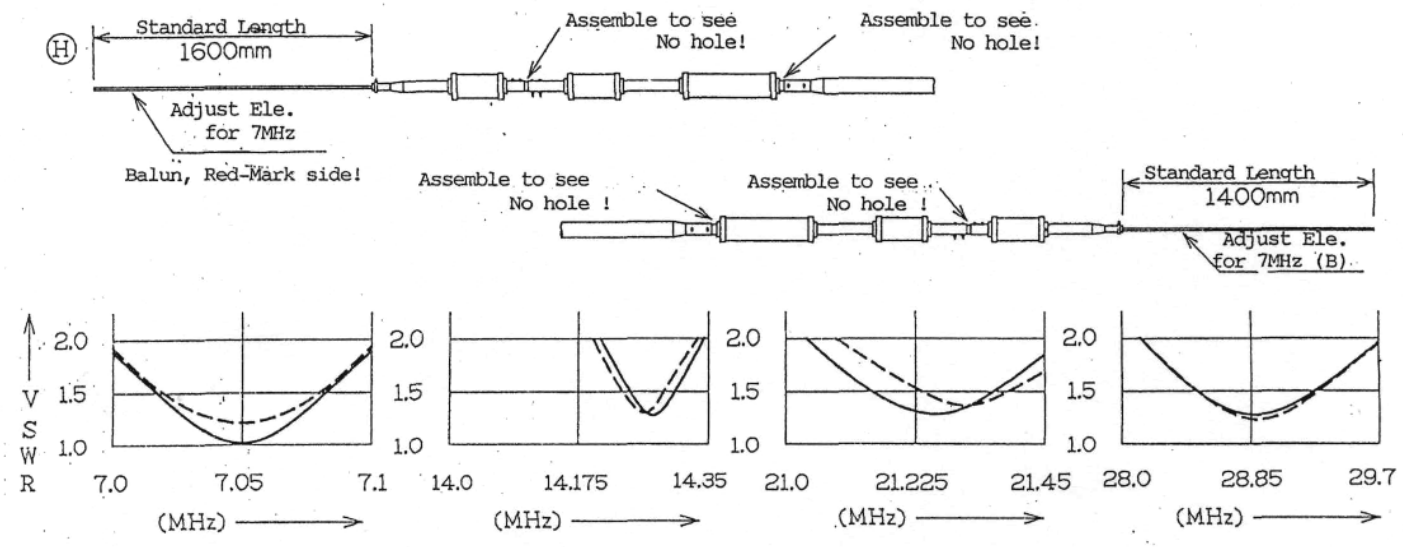
◎ SSB-operation- Ⓜ location

◎ FM(28MHz) Ⓗ location

——— 20m high from ground. - - - - 5m high from ground.





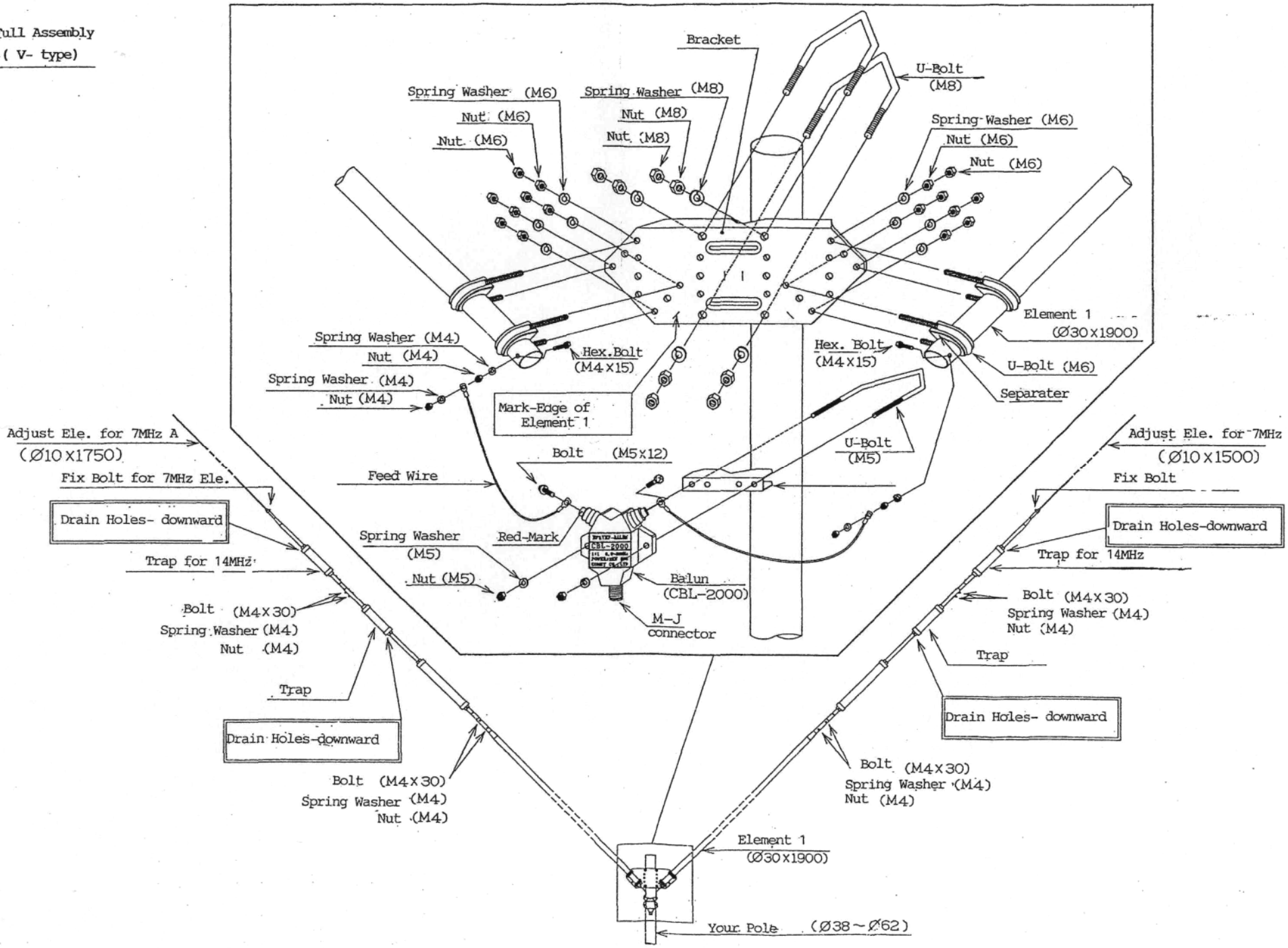


** You can change Center freq. of 7MHz by sliding the 7MHz Adjust Element, without any influence to other frequencies.

** Shift of 7MHz band per each 1cm, is 15KHz.

** Difference of Left & Right 7MHz element is to be 200mm constantly.

★ Full Assembly
(V- type)



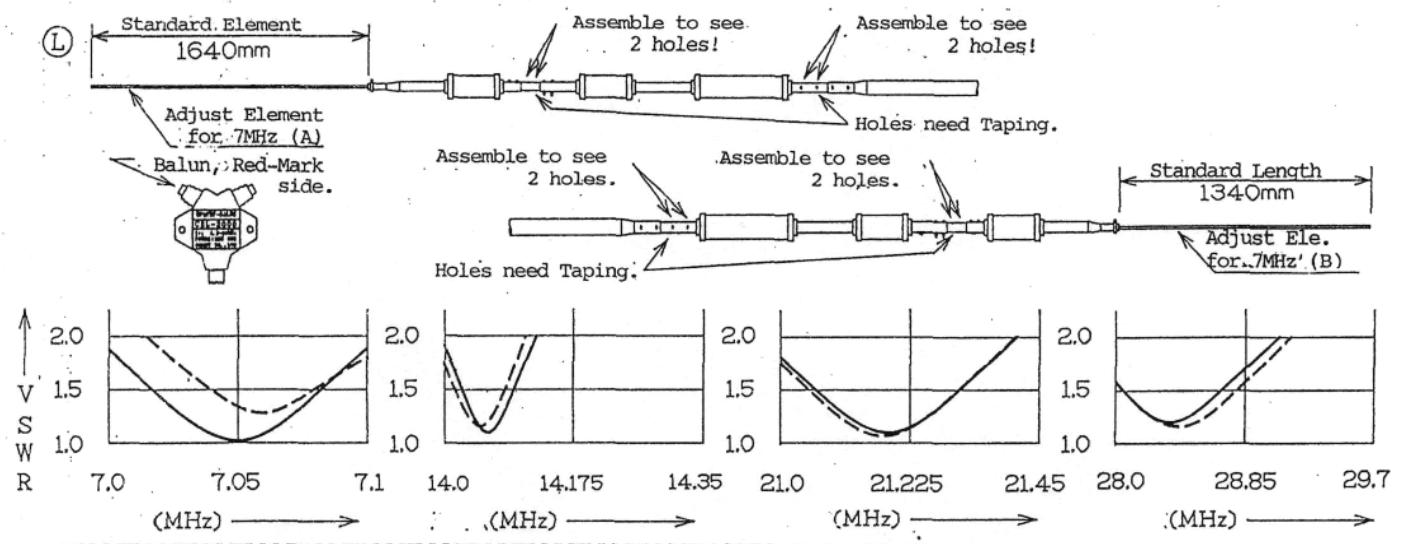
● Measurement & SWR Characters
(V-type)

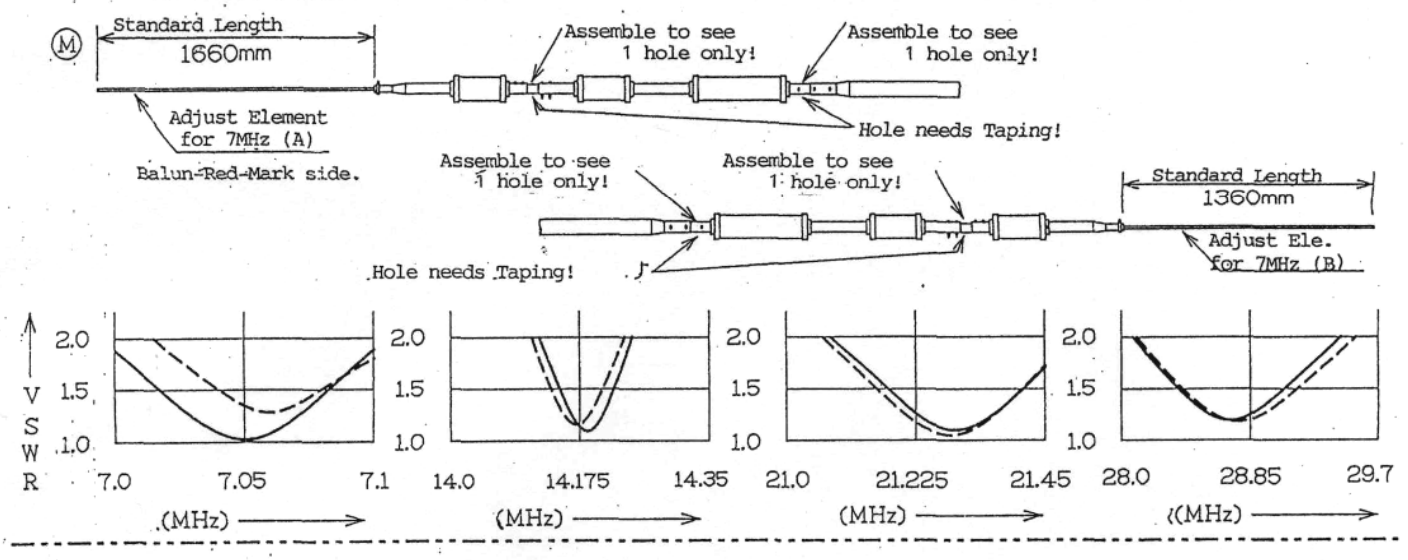
◎ CW-operation - Ⓛ location

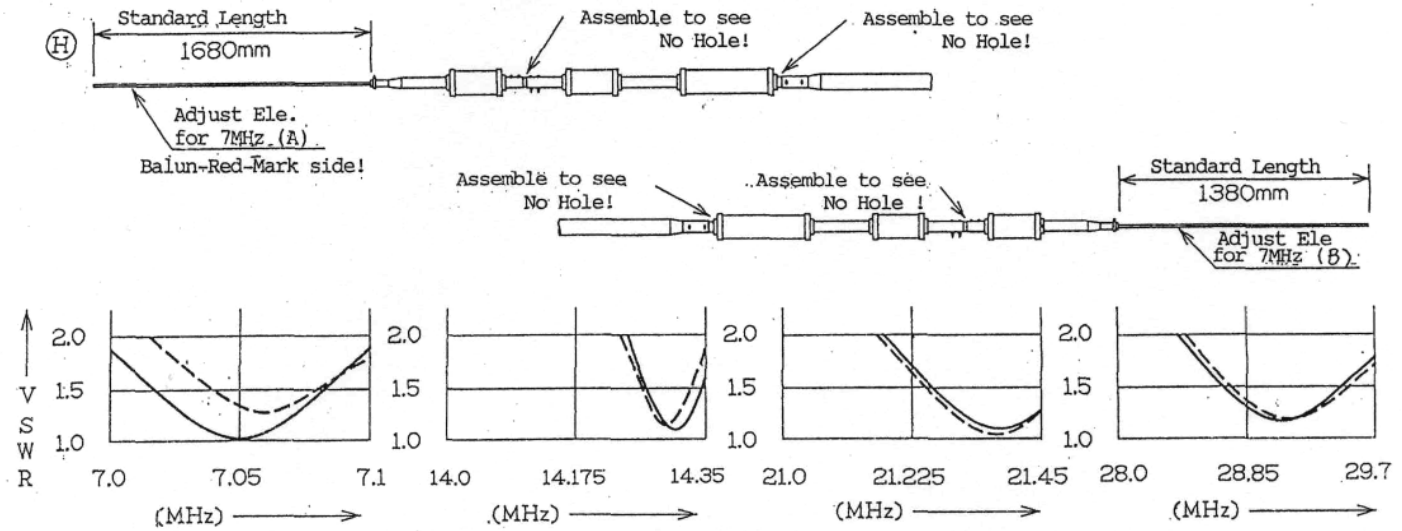
◎ SSB-operation- Ⓜ location

◎ FM(28MHz) - Ⓗ location

——— 20m high from ground - - - - 5m high from ground







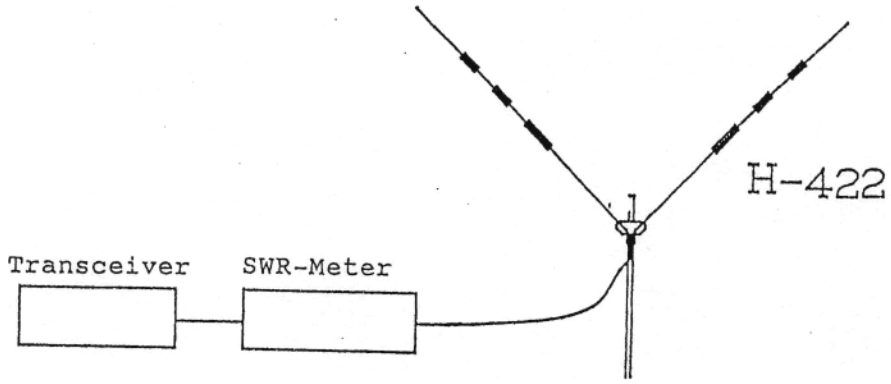
** You can change Center Freq. of 7MHz by sliding the 7MHz adjust Element, without any influence to other frequencies.

** Shift of 7MHz band per each 1cm, is 15KHz.

** Difference of Left & Right 7MHz Element is to be 300mm.

Frequency Adjustment:

1) Please connect SWR meter between H-422 and transceiver, as shown below:



2) 14, 21 and 28MHz are Wide bands, then No Frequency adjustment is necessary. But, kindly check which location of is preferred.

3) Antenna location may give great influences on the 7MHz band. Then, adjust the length of 7MHz Adjust Ele. of both (A) & (B) watching your SWR meter.

Element sliding of 1cm changes the frequency by 15KHz.

Remarks:

1) Drain Holes on the Trap coils must be assembled to face Downward, to prevent water-inflow.

2) Kindly proceed necessary Water-Proof works, on the cable-joint section etc., using self-amalgamating tape and/or vinyl tapes.