

# A1430S8




## OPERATION INSTRUCTIONS

To use the antenna properly, read these instructions thoroughly before using it.  
Keep this manual carefully at hand for later use.

### Safety Precautions

Note beforehand that the company shall not be liable for any damages suffered by the customers or third parties in using that product, or for any failures and faults that occur the use or misuse of this product, unless otherwise provided for under the law.

#### ■ Type and meaning of the marks

 <b>DANGER</b>	This mark indicates an imminently hazardous situation, which, if not avoided, could result in death or serious injury.
 <b>WARNING</b>	This mark indicates a potentially hazardous situation, which, if not avoided, could result in death or serious injury.
 <b>CAUTION</b>	This mark indicates a potentially hazardous situation, which, if not avoided, may result in minor or moderate injury or only property damage.

#### **DANGER**

- Don't install the antenna on a rainy or windy day since it is dangerous.
- Don't touch the antenna during transmitting since it is dangerous.
- If there is a thunderstorm during operation, stop the operation immediately and remove the cable from the transceiver. If that doesn't make it in time, don't touch the antenna and the cable. It may be severely injured or die due to getting and electronic shock from a lightning strike.

#### **WARNING**

- Don't drop the antenna, tools and attachment when installing the antenna in the height. Install the antenna after assembling it on the ground.
- Install the antenna firmly not to fall down due to the strong wind. Even if falling down the antenna, locate the antenna at the safe place where people and building are not inflicted injuries.
- Don't attempt to install the antenna only by yourself. Installing the antenna alone on the roof may lead you dangerous accident. Always ask your friends for help installing the antenna.

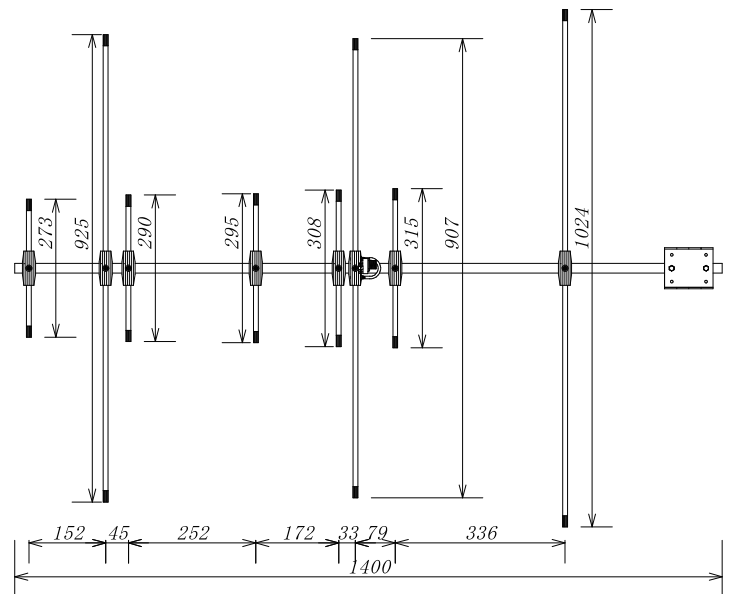
#### **CAUTION**

- Make sure to adjust the antenna before using it.
- Install the antenna as far away as possible from any obstacles to obtain its maximum performance.
- Keeping transmitting with high VSWR may cause the transceiver to be damaged. Stop transmitting immediately and check the antenna.
- When transmitting, operate within the specification of the transmission power. It is a big burden on the antenna on FT8 etc. Don't operate over the specification of the transmission power. The antenna may be damaged.

### ● Description

1. A1430S8 is a high-performance antenna can be operated at 2m/70cm.
2. Compact, light weighted and very easy to assemble.
3. A1430S8 is a high-gain antenna. 9.0dBi(2m), 10.0dBi(70cm)

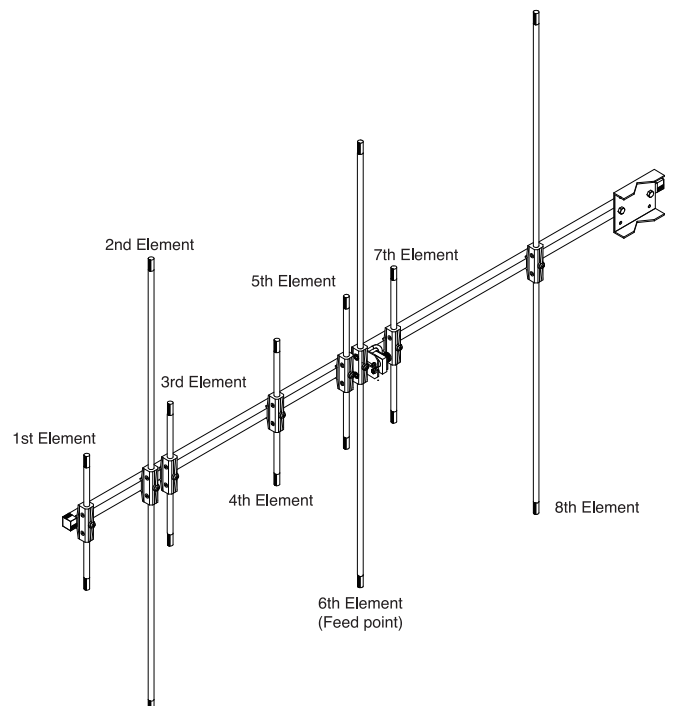
### ● Assembly drawing



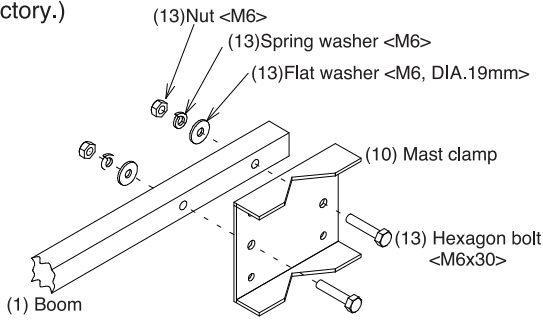
### ● Assembly

The 3rd, 4th, 5th and 7th elements are pre-attached.

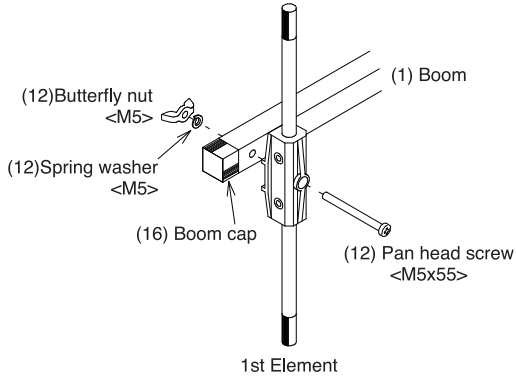
- ① Loosen the butterfly nuts fixed on the elements and make the elements perpendicular to the boom and fix them with butterfly nuts.



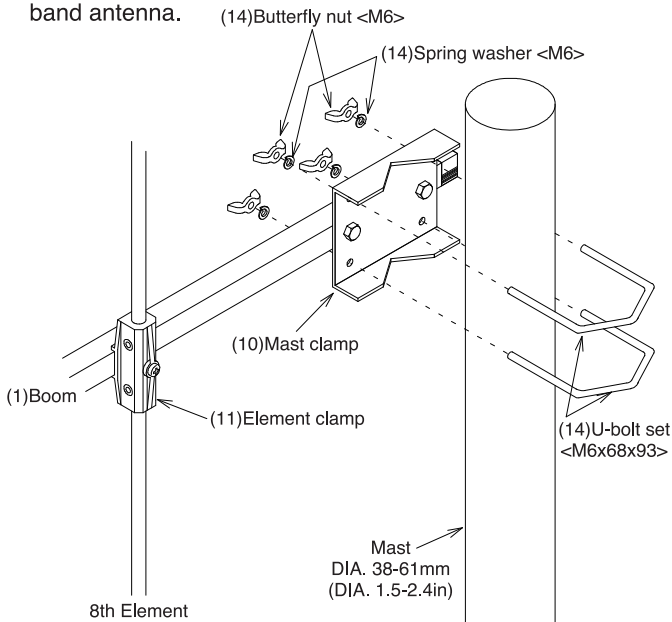
- ② Attach the mast clamp to the boom. Please be careful not to get hurt since the edge of the mast clamp is sharp. (It is installed at the factory.)



- ③ Attach the elements from the mast clamp side. (8th element > 6th element > 2nd element > 1st element) The 6th element is the feed point assembly.



- ④ Make sure to waterproof the feed point assembly and tighten every screws firmly then install the antenna in the mast. The A1430S8 is for vertical polarization use only. Don't install horizontally. It cannot be stacked since the A1430S8 is a dual band antenna.



### CAUTION

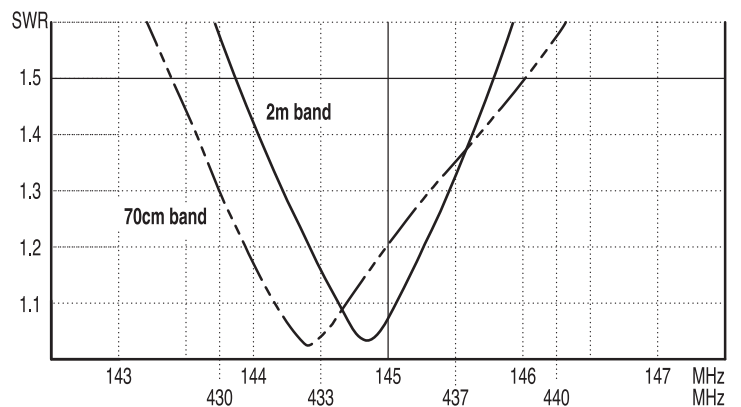
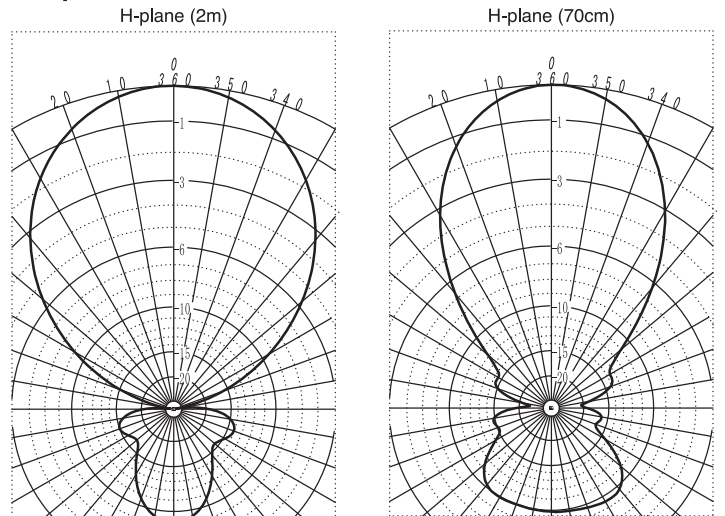
- Please be careful not to get hurt since the edge of the elements and boom is sharp.
- When installing the antenna in the fix station or tower, make the coaxial cable waterproofing and tighten the screws and bolts firmly.

- Though these products purchased are manufactured under strict quality control, if damage is caused by transporting, ask your dealer promptly.
- Design and specifications of these products will be changed for future improvement without advance notice.

### Part list

Part No.	Discription	QTY
1	Boom <1400mm(55.12in)>	1
2	1st Element <273mm(10.75in)>	1
3	2nd Element <925mm(36.42in)>	1
4	3rd Element <290mm(11.42in)>	1
5	4th Element <295mm(11.61in)>	1
6	5th Element <308mm(12.12in)>	1
7	6th Element (Feed point)	1
8	7th Element <315mm(12.4in)>	1
9	8th Element <1024mm(40.31in)>	1
10	Mast clamp	1
11	Element clamp	7
12	Screw set (Pan head screw, Spring washer, Butterfly nut)	8
13	Hexagon bolt set (Spring washer, Flat washer, Nut)	2
14	U-bolt set (Spring washer, Butterfly nut)	2
15	Element cap	16
16	Boom cap	2
17	Operation instruction	1

### Specification



\*SWR chart is a guideline. SWR will be changed depending on the installation condition.

Frequency	144-146MHz / 430-440MHz
Gain	9.0dBi(2m), 10.0dBi(70cm)
Max. rating power	100W FM (Total)
Impedance	50Ω
Connector	Type M(M-J)
Type	3-ele Yagi(2m), 5-ele Yagi(70cm)
Size	Approx. 1400x1030x50[mm](55.12x40.55x2[in])
Turning radius	1.35m(53.15in)
Wind surface area	0.07m <sup>2</sup>
Weight	1.2kg(2.65lbs)
Mast DIA. accepted	DIA. 38-61mm(DIA. 1.5-2.4in)

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