

UHF Folded Dipole Antenna

Operation Instructions

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

● Installing the antenna

1. Set the folded to the support pipe and fasten it by the bolt with the washers and nut.
 2. Push the rubber bush into the support pipe strongly.
 3. Attach the support pipe to the mast bracket and fasten it with nut.
- ※ Decide the mast interval depending on the installation conditions.
- ※ Install the folded downward as the arrow sticker.

● Mast Interval(D)

It is possible to adjust three directional types depending on the interval between the mast and the folded.

Pattern -1

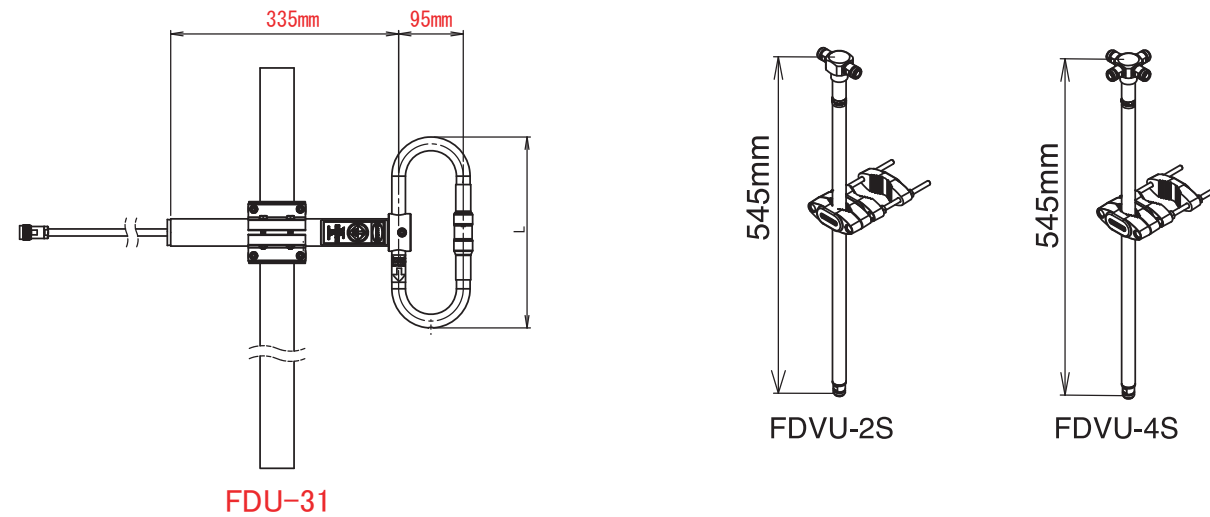
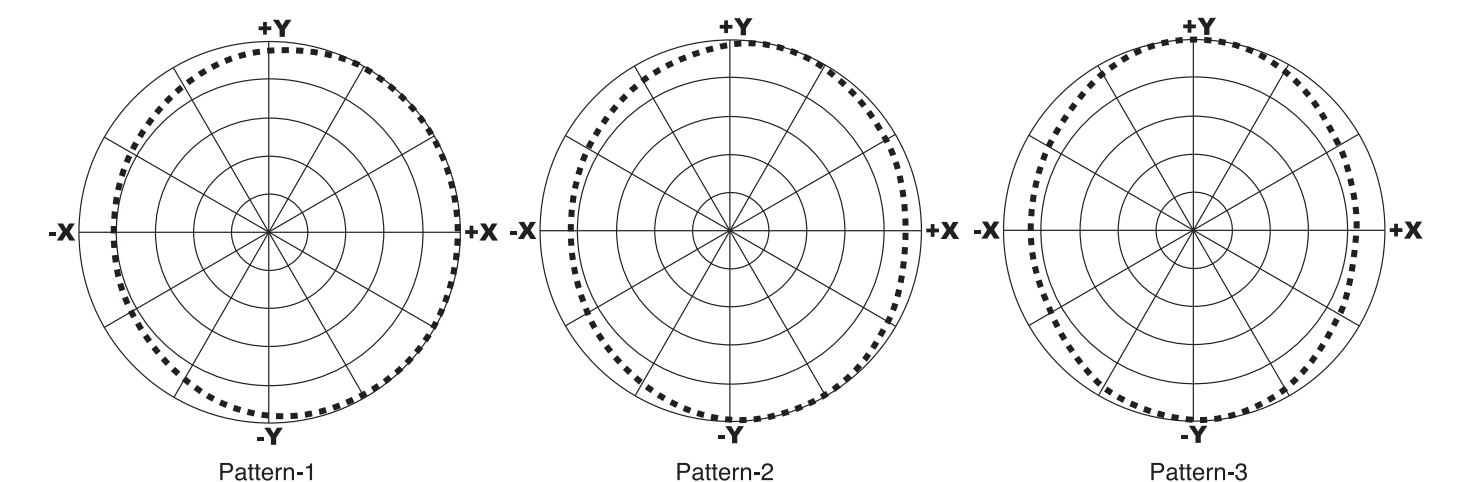
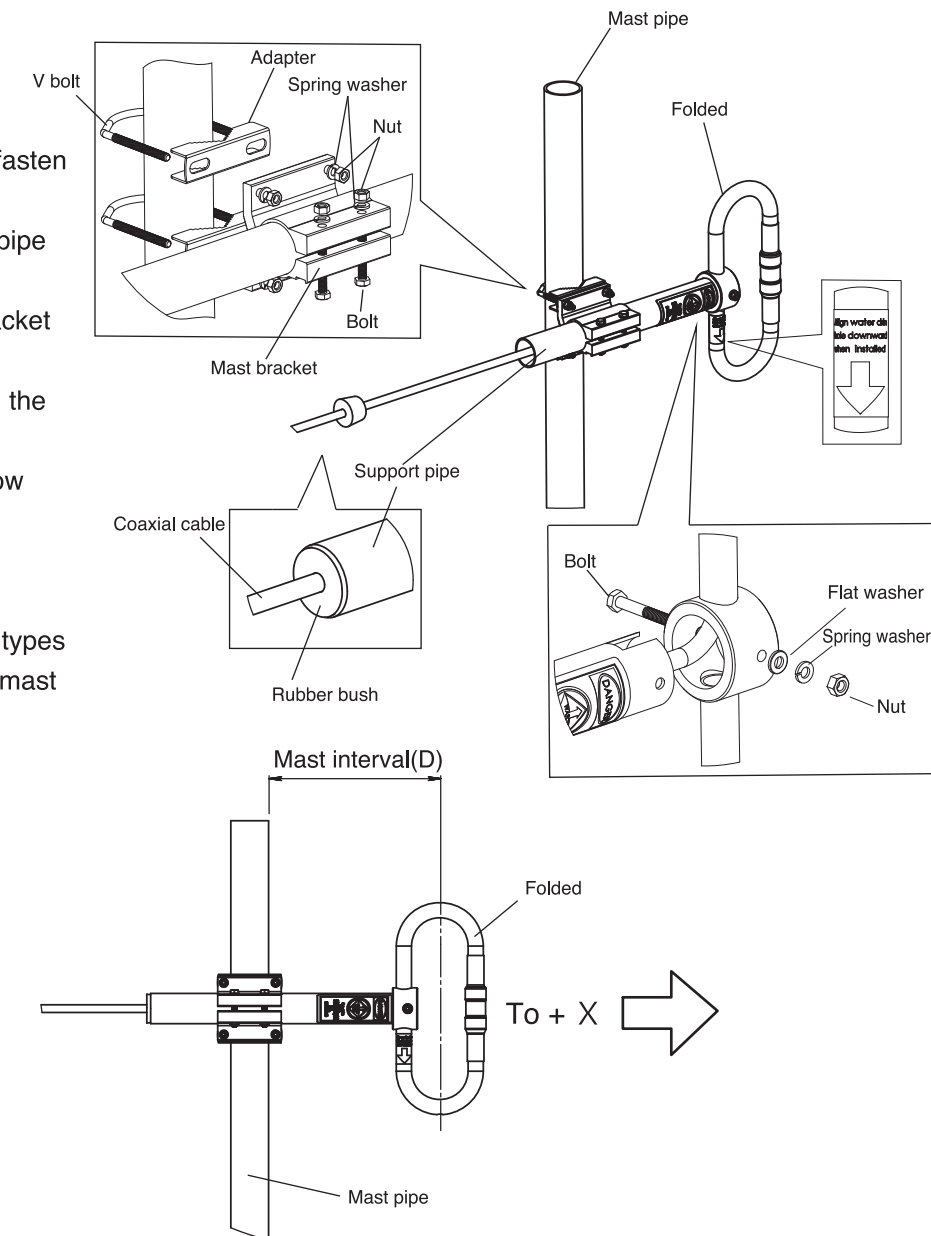
Mast interval(D): 46cm (1/4λ)

Pattern-2

Mast interval(D): 69cm (3/8λ)

Pattern-3

Mast interval(D): 84cm (1/2λ)



UHF FOLDED DIPOLE ANTENNA

MODEL	FREQUENCY	GAIN(dBd)	MAX·POWER RATING	DIMENSIONS(H×D)	WEIGHT	CONNECTOR
FDU-31	406 to 512MHz	1-2.5	500W	0.28×0.44m	1.45 kg	N-P
FDU-32		3-6	500W	0.77×0.44m	4.0 kg	N-J
FDU-34		6-9	500W	1.76×0.44m	7.0 kg	N-J

STACK TRANSFORMER

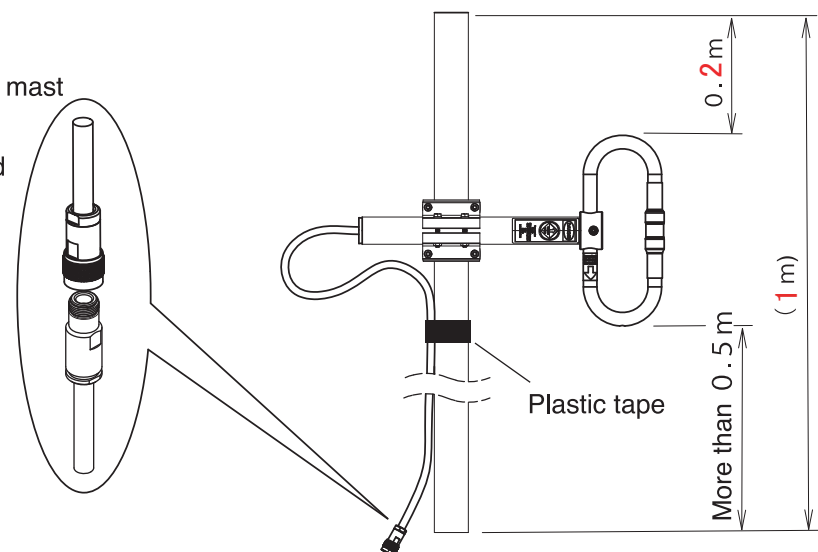
MODEL	FREQUENCY	GAIN(dBi)	MAX·POWER RATING	DIMENSIONS(H×D)	WEIGHT	CONNECTOR
FDVU-2S	VHF/UHF	-	500W	54.5×7.0cm	1.1kg	N-J
FDVU-4S			500W	54.5×7.0cm	1.2kg	N-J

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



● Installation (Single Dipole)

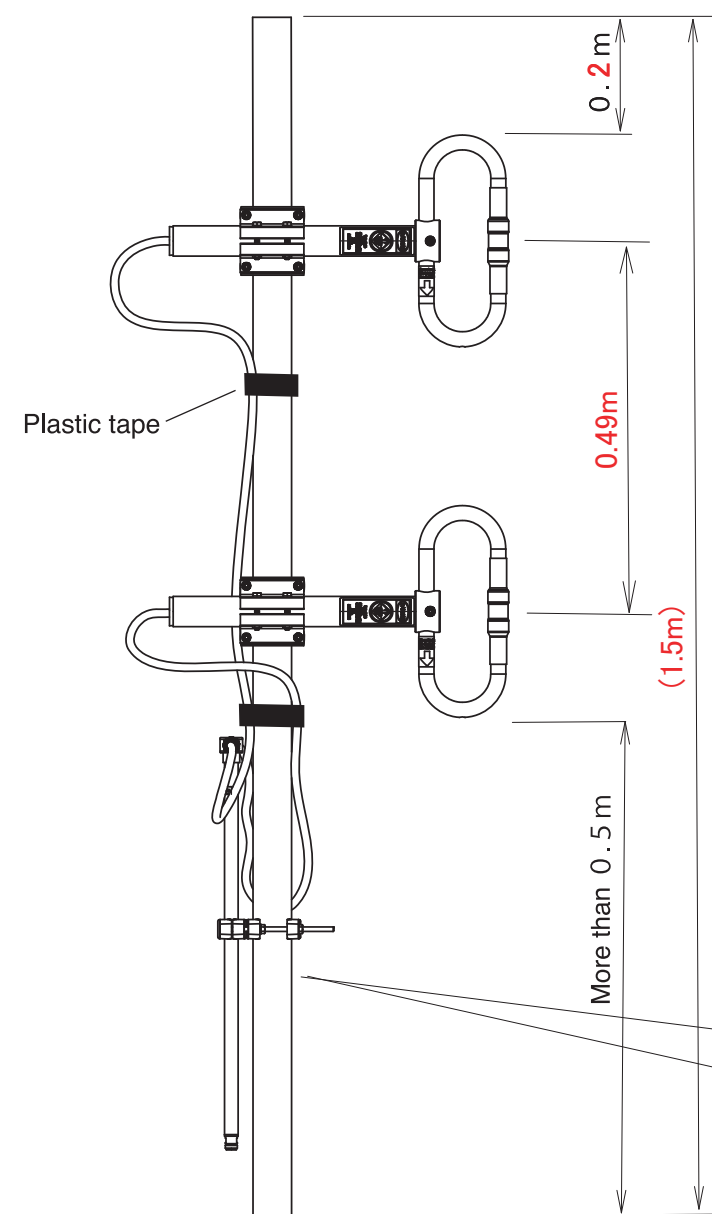
1. Fix the dipole to the mast.
2. Fix the coaxial cable along the boom and the mast with the plastic tape.
3. Connect the connector(N-P) of the dipole and the connector (N-J) of the coaxial cable and waterproof it with the self-melting tape and the plastic tape.



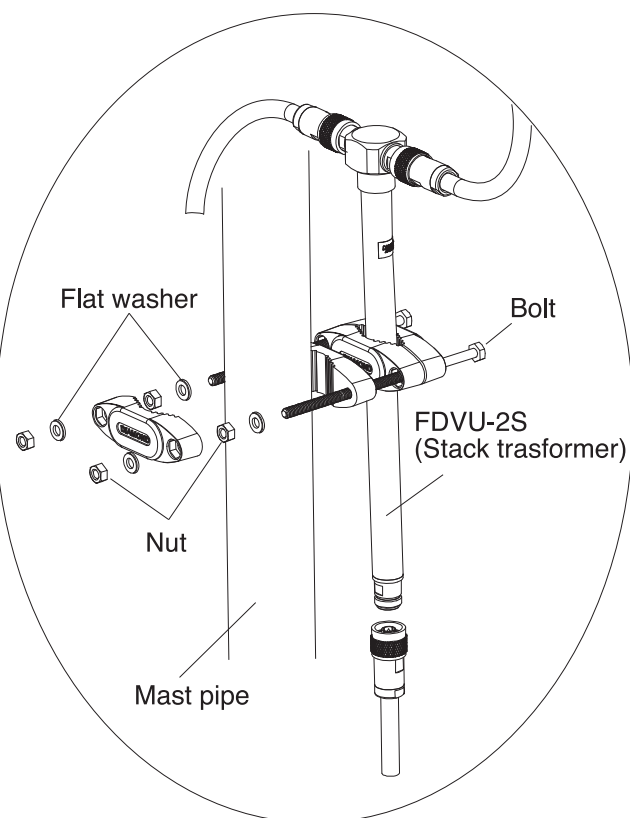
FDU-31 (Single Dipole)

● Installation (Two stacks Dipole)

1. Fix the dipole to the mast.
2. Fix the stack transformer to the mast and connect the connector of the dipole.
3. Fix the coaxial cable along the boom and the mast with the plastic tape.
4. Connect the connector(N-P) of the dipole and the connector (N-J) of the stack transformer and waterproof it with the self-melting tape and the plastic tape.
5. Connect the connector (N-J) of the stack transformer and the coaxial cable and waterproof it with the self-melting tape and the plastic tape.

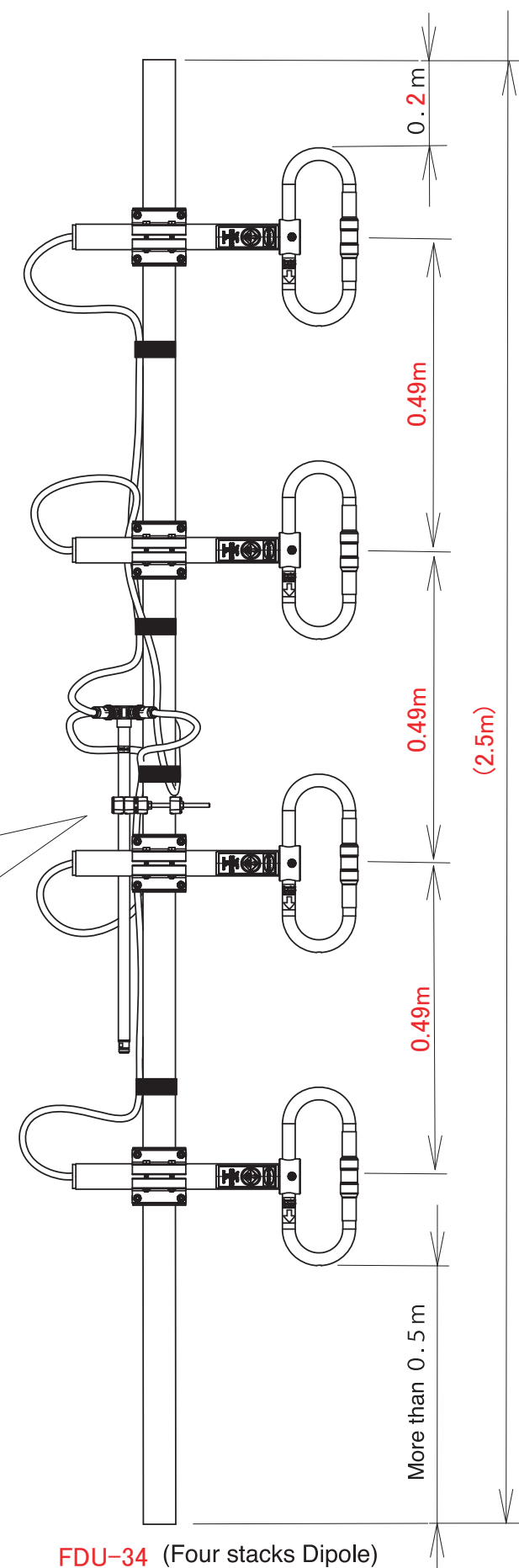
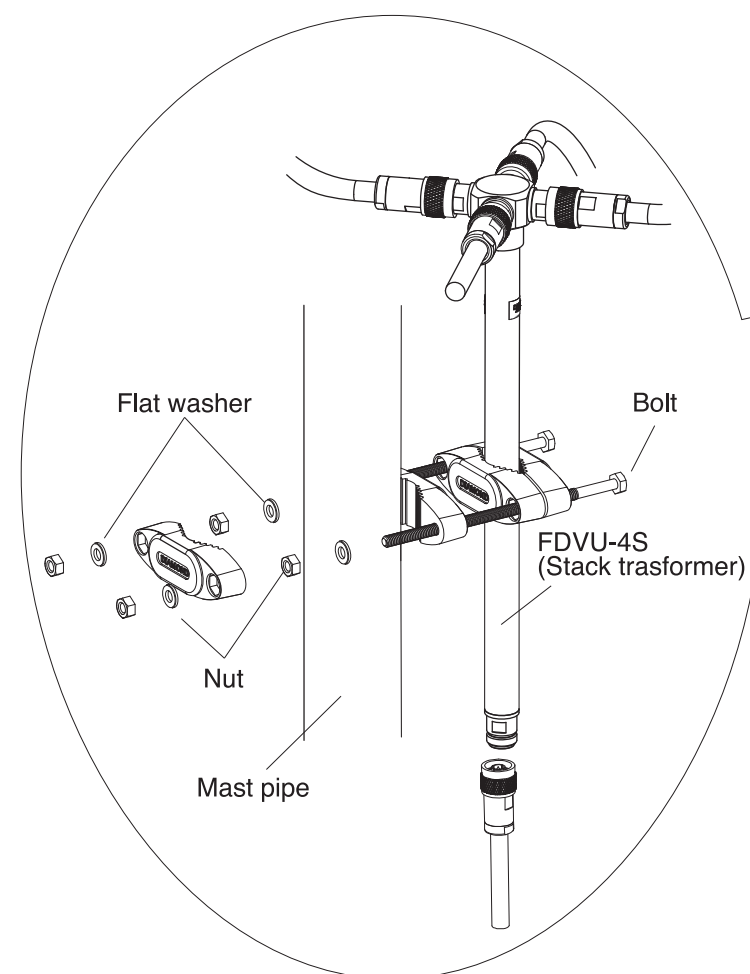


FDU-32 (Two stacks Dipole)



● Installation (Four stacks Dipole)

1. Fix the dipole to the mast.
2. Fix the stack transformer to the mast and connect the connector of the dipole.
3. Fix the coaxial cable along the boom and the mast with the plastic tape.
4. Connect the connector(N-P) of the dipole and the connector (N-J) of the stack transformer and waterproof it with the self-melting tape and the plastic tape.
5. Connect the connector (N-J) of the stack transformer and the coaxial cable and waterproof it with the self-melting tape and the plastic tape.



FDU-34 (Four stacks Dipole)