



# High Bands 3 Elements 3-Bands Yagi Antenna 328

21-24-28MHz

- ☆ The form is same to simple full sized Yagi for 24MHz
- ☆ The performance is similar to monoband Yagi antenna
- ☆ VSWR characteristics is similar to monoband type

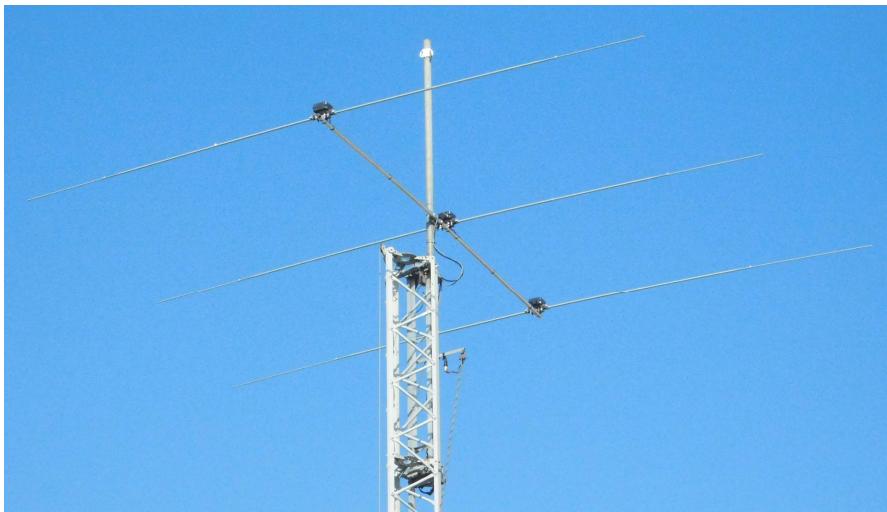


Figure 1. 21-24-28MHz 3-Bands Yagi Antenna, 328

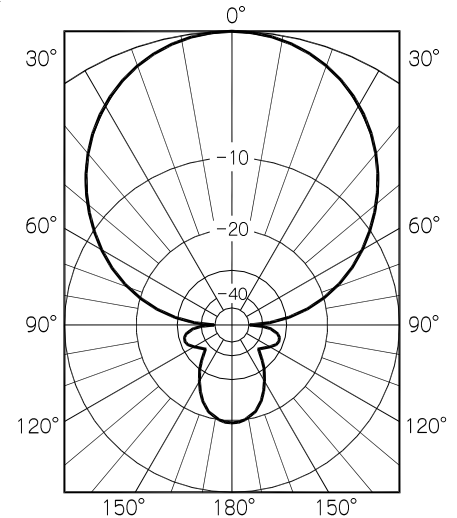


Figure 2. Example for Radiation Pattern, 24MHz

This 328 is the triband Yagi antenna that have the performance equivalent to 3-elements Yagi antenna of monoband. Although bringing out both the performance of broadband and low loss by using a general trap type for 3 bands is difficult, this 328 is known for its high performance with each band due to its multi-functionalized technique that differ from the trap type.

The operation for each band is with 24MHz pure 3 elements Yagi type, 21MHz only 15% shortening type, 28MHz 13% extension type which gain is more higher than the full size antenna type.

The equipping tuned circuits at center of each elements and these parts are used by the inductor, the capacitor and also the relay that have high Q. It bring out low loss and high power capability. Approximately 13VDC and 4-wire cable are necessary to prepare to switch tuned circuits, and simple assembly kit is included for controller.

The mechanical characteristics is similar to our CY153, Yagi for 21MHz or 24MHz, which is light weight, high strength and low wind loading force type.

Using this 328 fully satisfy 3 bands, 21MHz to 28 MHz, that is the most suitable DX communication.

## SPECIFICATIONS

Frequency MHz	21	24	28
Gain dBi	9.2	10	10.5
F/B Ratio Avg. dB	24	24	18
Impedance (Connector)	50 Ω (MJ)		
VSWR (Best)	Less than 1.3 : 1		
Power Capability CW/PEP.	1.5/3 kW		
Element Number	3		
Element Length	6.25 m		
Boom Length	3.96 m		
Rotational Radius	3.8 m		
Mast Diameter	φ48~61 mm		
Wind Survival Rating	40 m/s		
Weight	7.2 kg		
Bands Control Power	About 13VDC.		
	Less than 0.2A, 4-wires remote cable		

★ The only soldering operation is required for the controller kit that is PCB type.

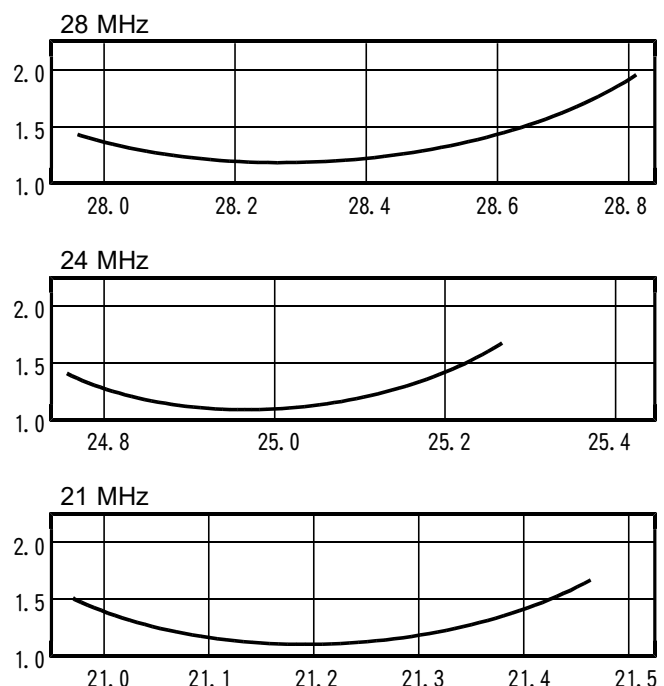


Figure 3. VSWR Characteristics