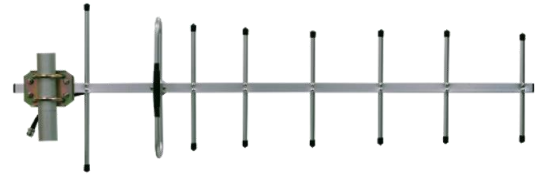


# Outdoor Directional Yagi Antenna

## OY-YN-V11P

450-512MHz, N-Female

- Covering 450-512MHz Public Safety Band
- Narrow beamwidth and High gain with 8 elements
- Suitable for donor antenna and aluminum finished
- Supporting antenna tilt adjustment with  $\pm 15^\circ$



### Electrical Specification

Product Model	OY-YN-V11P
Frequency (MHz)	450-512
Gain (dBi)	11.0 $\pm$ 1.0
Polarization	Linear / Preinstalled with Vertical Pol.
Beamwidth Horizontal ( $^\circ$ )	50.0 $\pm$ 5.0
Beamwidth Vertical ( $^\circ$ )	48.0 $\pm$ 5.0
VSWR	$\leq$ 1.5
Front to Back Ratio (dB)	$\geq$ 13
Average Power, max (W)	100
Impedance (ohm)	50

### Mechanical Specification

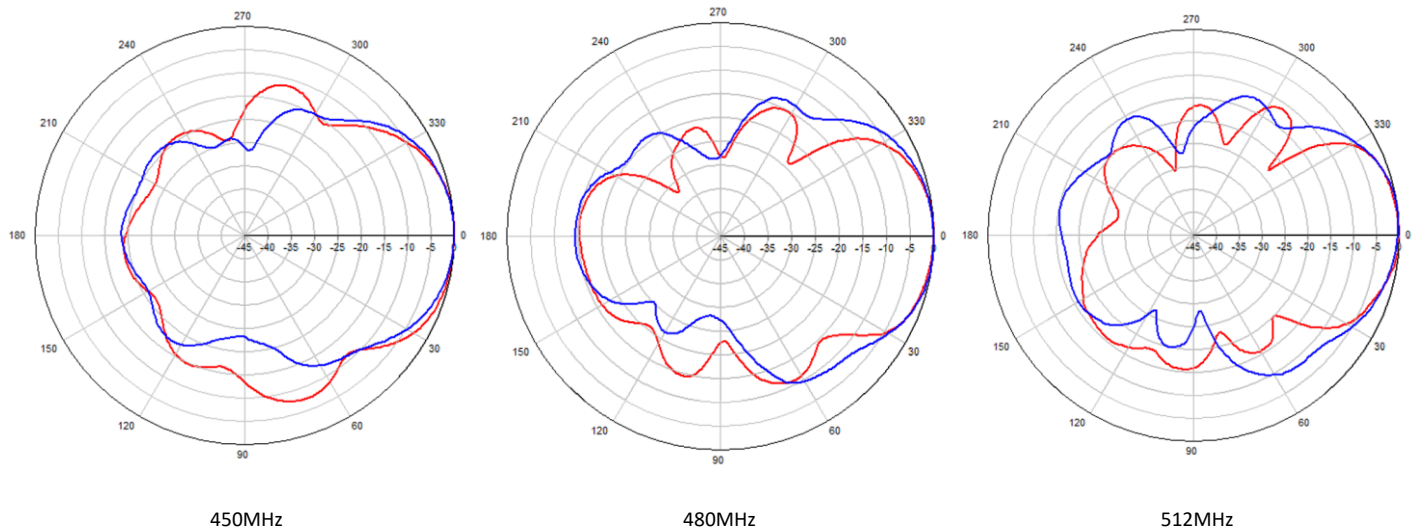
Dimension Diameter, height (in/mm)	43.31 x 14.17 x 3.35 / 1100 x 360 x 85
Weight (lb./kg)	2.70 / 1.20
Shipping Dimension(in/mm)	44.09 x 14.76 x 3.54 / 1120 x 375 x 90
Shipping Weight(lb./kg)	4.45 / 2.02
Radome Material & color	Aluminum finished, White
Diameter of the pole mounting pole (in/mm)	$\varnothing$ 1.65-2.05 / $\varnothing$ 42-52
Mounting bracket Materials	Zinc Plated Steel
Antenna Tilt adjustment ( $^\circ$ )	$\pm 15^\circ$
Maximum Wind Speed(mph)	175
Connector type	N-Female

### Environment & Compliance

Application	Outdoor
Operating Temperature	-40°C to +60°C
Relative Humidity	Up to 95%
RoHS	Compliant
Lightning protection	Direct Grounding

### Antenna Pattern

— Horizontal — Vertical



**Mechanical Drawing and Installation Guide**

**Installation Instruction**

- A. The antenna bracket and the antenna frame are pre-assembled for vertical polarization (default)
- B. Put the antenna bracket and the mounting pole according to the position and direction shown in the drawing.
- C. Fasten two U-bolts and the mounting bracket to the mounting pole (not included) with Hex M8 nut.
- D. Connect the equipment and the antenna with their respective connector.
- E. Ensure that all connections are waterproof.
- F. Fasten the cables of the antenna and equipment.

