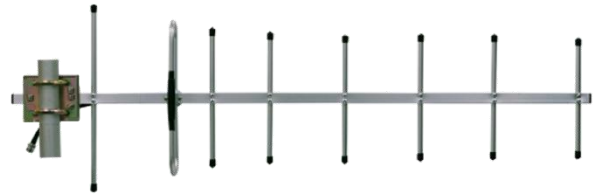


Outdoor Directional Yagi Antenna

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 (°)	50.0 \pm 5.0
Beamwidth Vertical (°)	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

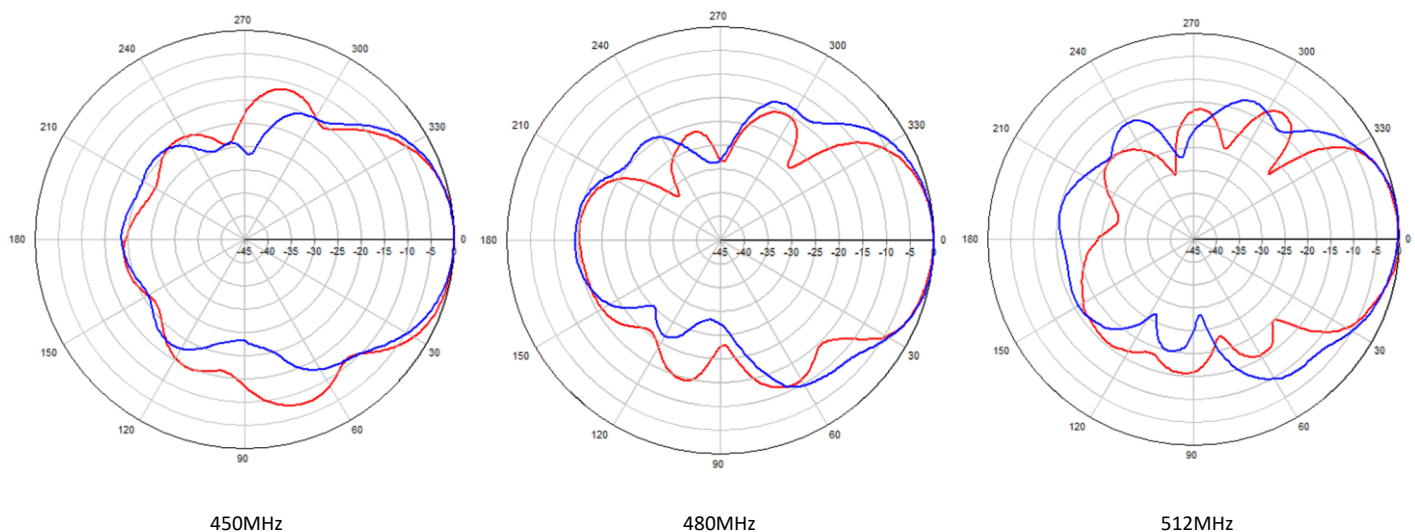
Dimension Diameter, height (in/mm)	43.31 x 14.17 x 3.35 / 1100 x 360 x 85
Weight (lb./kg)	2.70 / 1.20
Shipping Dimension(in/mm)	44.09 x 14.76 x 3.54 / 1120 x 375 x 90
Shipping Weight(lb./kg)	4.45 / 2.02
Radome Material & color	Aluminum finished, White
Diameter of the pole mounting pole (in/mm)	\varnothing 1.38-3.00 / \varnothing 35-76
Mounting bracket Materials	Zinc Plated Steel
Antenna Tilt adjustment (°)	$\pm 15^\circ$
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. Choose proper U-bolt for the antenna mounting pole size.
 U-bolt1: dia. 2"(25mm) max.
 U-bolt2: dia. 3"(76mm) max.
- D. Fasten two U-bolts and the mounting bracket to the mounting pole (not included) with Hex M8 nut.
- E. Connect the equipment and the antenna with their respective connector.
- F. Ensure that all connections are waterproof.
- G. Fasten the cables of the antenna and equipment.

