

Outdoor High Isolation Narrow Beam Antenna

ODP-030V14MN

758-869MHz, N-Female

- High Isolation Narrow Beam Directional Antenna specifically designed for the 758-869 frequency range, which falls within the 700/800 Public Safety Band.
- The antenna is ideal solution donor antenna application where high isolation and focused coverage are required.
- Designed high reliability to withstand challenging environmental conditions, including high wind.



Electrical Specification

Product Model	ODP-030V14MN
Frequency (MHz)	758-869
Gain (dBi)	15.0 ± 0.5
Polarization	Vertical. Optionally supports Horizontal
Beamwidth Horizontal (°)	28.0 ± 3.0
Beamwidth Vertical (°)	28.0 ± 2.0
Front to Back Ratio (dB)	≥ 27
Mechanical Adjustable Down tilt (°)	0-14
PIM (dBc)	< -151dBc @ 2 x 43dBm
VSWR	≤ 1.5
Average Power, max (W)	250
Impedance (ohm)	50

Mechanical Specification

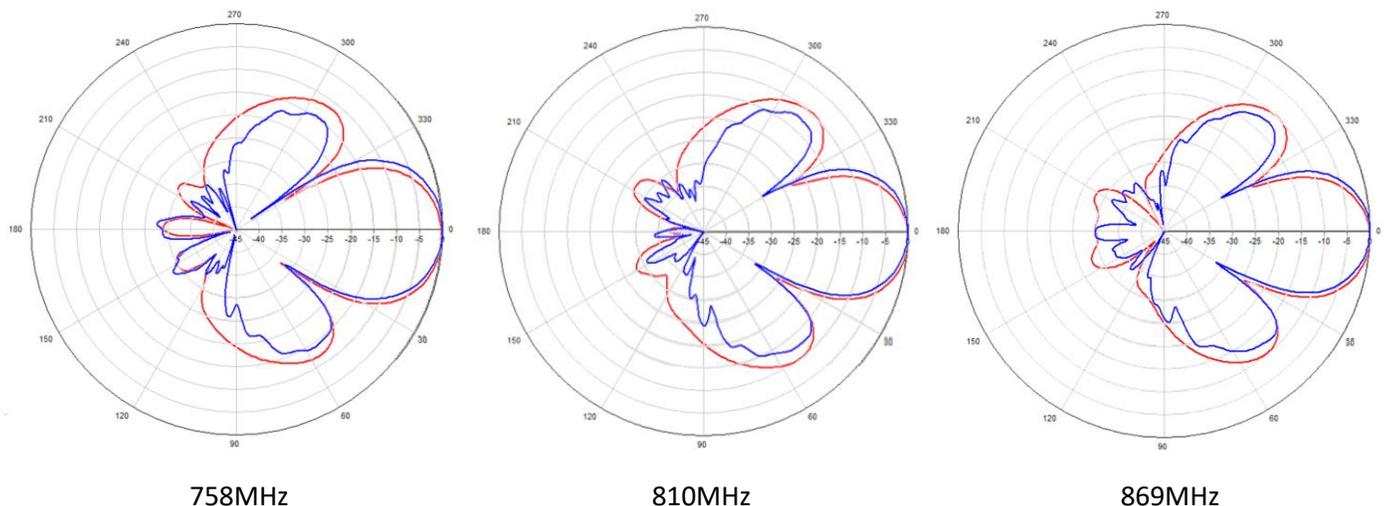
Dimension (in/mm)	26.8x26.8x7.5 / 680x680x190
Shipping Dimension (in/mm)	36.6x29.9x13.0 / 930x760x330
Product Weight (lb./kg)	28.7 / 13
Bracket Weight (lb./kg)	8.4 / 3.8
Shipping Weight including mounting kit (lb/kg)	44.8 / 20.3
Radome Material & color	Fiberglass, Grey
Bracket Material	Galvanized Steel, salt water resistant
Diameter of the mounting pole(in/mm)	Ø2.4 - 4.5 / Ø60 - 115
Connector type	N-Female

Environment & Compliance

Application	Outdoor
Operating Temperature	-40°C to +70°C
Relative Humidity	Up to 95%
Wind Load @150km/h	
Frontal/Rear/Side (N)	443 / 127 / 504
Max. Wind Velocity (km/h)	216
Max. Wind Velocity (mph)	134
RoHS	Compliant

Antenna Pattern

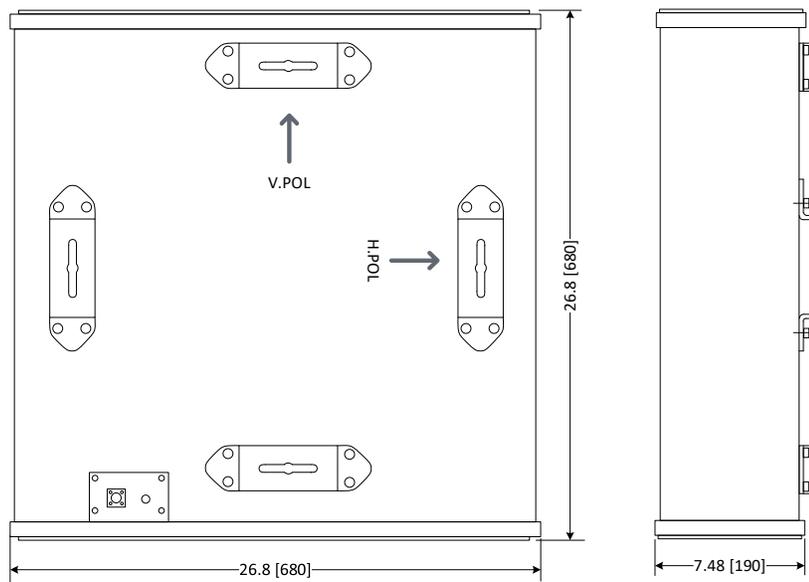
— Horizontal — Vertical



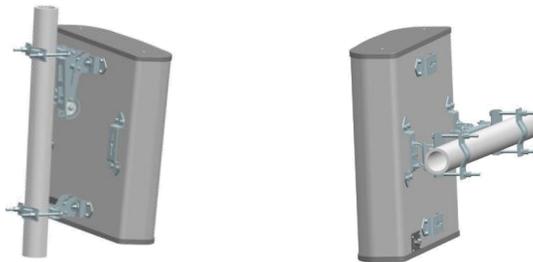
Mechanical Drawing and Installation Guide

1. Drawing

Unit: inches [mm]



2. Antenna Installation for Vertical Polarization support



3. Antenna Installation for Horizontal Polarization support (optional)

