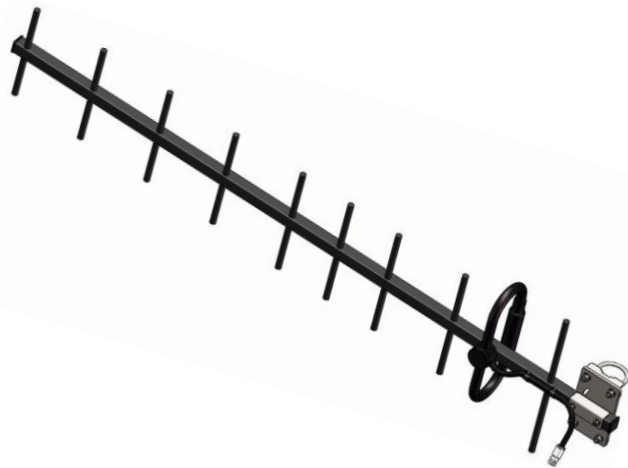


450-512 MHz, High Gain Yagi Antenna

13dBi, 38° V x 40° H, N-Female



- ❖ High gain (13dBi) Yagi antenna covering the 450-512 MHz frequency range (10-elements)
- ❖ Welded Aluminum construction with black anodization
- ❖ Applications in Public Safety ERCES, Utilities, Oil & Gas, Mining, Industrial, Transportation and many more
- ❖ DC ground lightning protection
- ❖ Includes Stainless Steel mounting bracket and hardware
- ❖ Can be oriented in vertical or horizontal polarization without removing from the pole
- ❖ Allows $\pm 30^\circ$ up and down-tilt

For more information or to purchase, contact Ventev:
800.851.4965 or sales@ventev.com

Connector

Ventev Part #

N Female

VY-VU14013-NF

Electrical Specifications

Frequency Bands, MHz	450-512
Polarization	Vertical or Horizontal
Vertical Beamwidth	38°
Horizontal Beamwidth	40°
VSWR	≤ 1.5
Gain, dBi	13
Front-to-Back Ratio (dB)	≥ 20
Max Input Power per Port, watts	200
Impedance, ohm	50
Lightning Protection	DC Ground

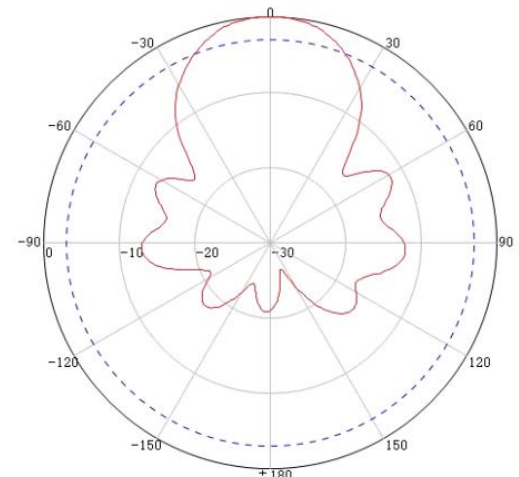
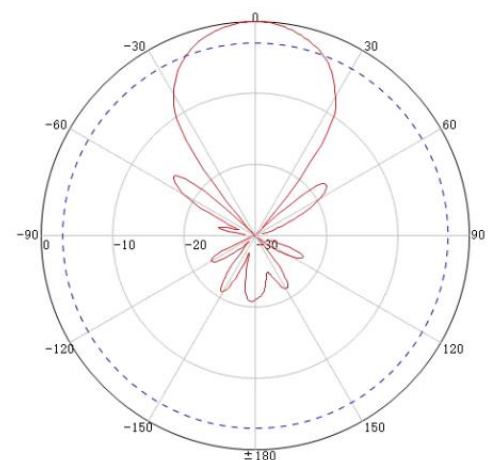
Mechanical Specifications

Product Length	56.3" Long x 13.4" Wide
Input Connector	1x N Female, 20" Pigtail LMR400
Mounting	Pole/Mast Mount (1.4" to 2.0" OD); Hardware included
Operating Temperature	-40 to +70 °C (-40 to +158 °F)
Humidity	5 to 95%
Wind Survival	135 mph (216 kmph)
Product Weight	11 lbs.
Material, Construction & Finish	Aluminum, Fully welded, Black anodized

Note: Mast not included

Every Ventev antenna is RoHS compliant and covered by company's 2-year warranty program.

Vertical



Horizontal

450-512 MHz, High Gain Yagi Antenna 13dBi, 38° V x 40° H, N-Female

