

Yagi Donor Antenna for Public Safety ERCES

175mph Wind Survival, N-Female

Ventev's 175mph Yagi Antenna is an ideal donor antenna solution for an off-air Public Safety ERCES. A compact 30" long design uses heavy gage Aluminum for boom and elements and welded to give structural strength necessary for high wind survival. A corrosion resistant Aluminum and stainless bracket along with black anodization offer superior corrosion protection and makes it suitable for coastal area deployments. Antenna comes with mounting bracket and hardware and, can be adjusted to vertical or horizontal polarization. Can be used in elevator shaft for connectivity or outdoor as donor applications (IP65). The compact design (only 30" long) allows easy installation. Available in 3 different models, UHF (380-512MHz), 700/800 (746-896MHz) and 800/850/900 (806-960MHz) in N-female connector.

Available Models

Description	MFG Part #	SKU
380-512 MHz, 9.5dBi Yagi Antenna	VY-VU5095-NF	615052
746-896 MHz, 10dBi Yagi Antenna	VY-V74510-NF	615053
806-960 MHz, 10dBi Yagi Antenna	VY-V84510-NF	615054

Electrical Specifications

MFG Part #	VY-VU5095-NF	VY-V74510-NF	VY-V84510-NF
Operating Frequency Range	380-512 MHz	746-896 MHz	806-960 MHz
Polarization	Vertical/Horizontal		
Horizontal Beamwidth	68°	56°	56°
Vertical Beamwidth	52°	45°	45°
Gain	9.5 dBi	10 dBi	10 dBi
VSWR	≤ 1.85	≤ 1.8	≤ 1.8
Front-to-Back Ratio	≥ 15 dB	≥ 16 dB	≥ 16 dB
Max Input Power per Port	300 W		
Nominal Impedance	50 Ohms		
Lightning Protection	DC Ground		

Mechanical Specifications

Dimensions	30 x 14.2 in.	30 x 7.9 in.	30 x 7.7 in.
RF Connector	N-Female, 19.5in Pigtail (16" Jumper N-Male to N-Female & Weatherproofing Tape Included)		
Application	Outdoor, Ingress Protection IP65		
Mounting Options	Pole/Mast Mount, Hardware included		
Operating Temperature	-40° to 70°C		
Relative Humidity	5 - 95%		
Weight	4.5 lbs.	5.5 lbs.	5.5 lbs.
Wind Survival	175 mph (282 kmph)		
Material	Aluminum, Fully welded, Black anodized		



VY-VU5095-NF



VY-V74510-NF



VY-V84510-NF

Features & Benefits

- Compact 30" long with 175mph Wind Survival
- Welded construction using heavy-duty Aluminum boom and elements; Stainless steel bracket
- Corrosion resistant material and black anodization make it suitable for coastal environments
- Suitable for donor applications in PS ERCES, Utilities, Transportation and other Industrial
- Includes mounting bracket and hardware
- Supports Vertical or horizontal polarization



All product specifications are subject to change without notice or obligation.

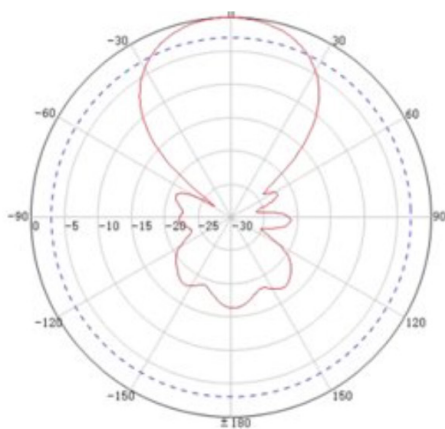
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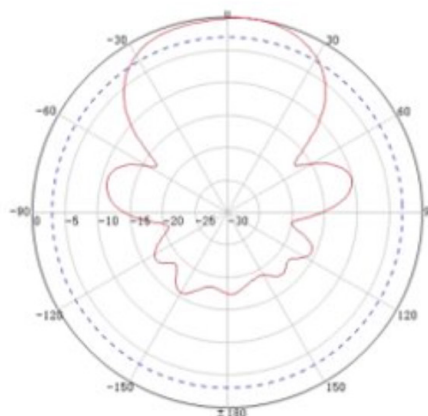
ventev®

Connect, Protect, and Enable™

VY-VU5095-NF

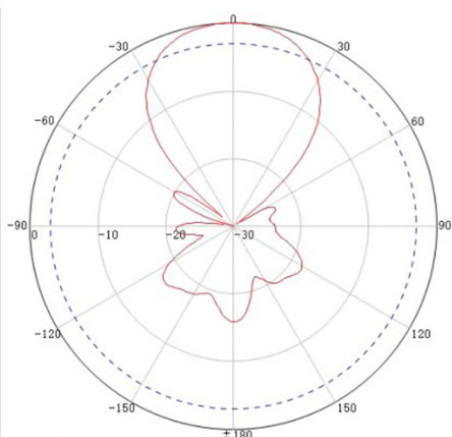


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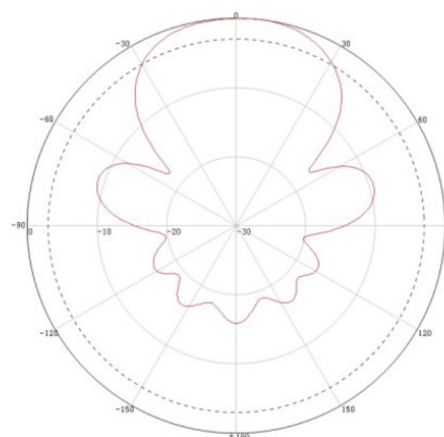


Horizontal

VY-V74510-NF

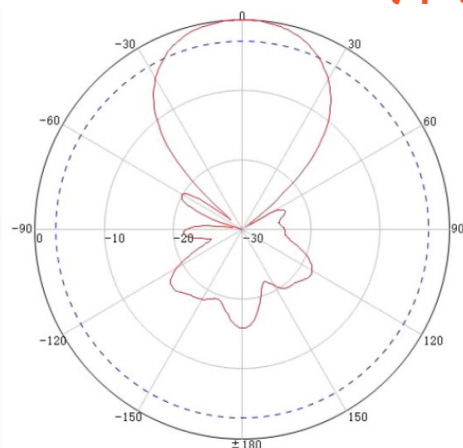


Vertical

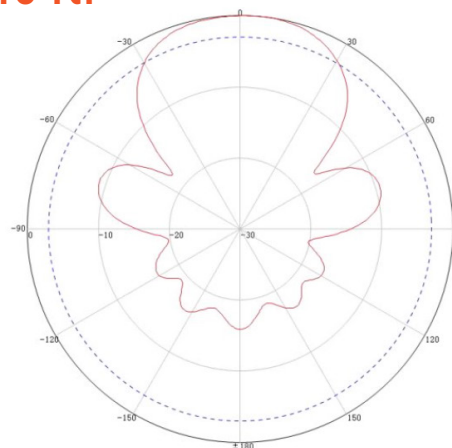


Horizontal

VY-V84510-NF



Vertical



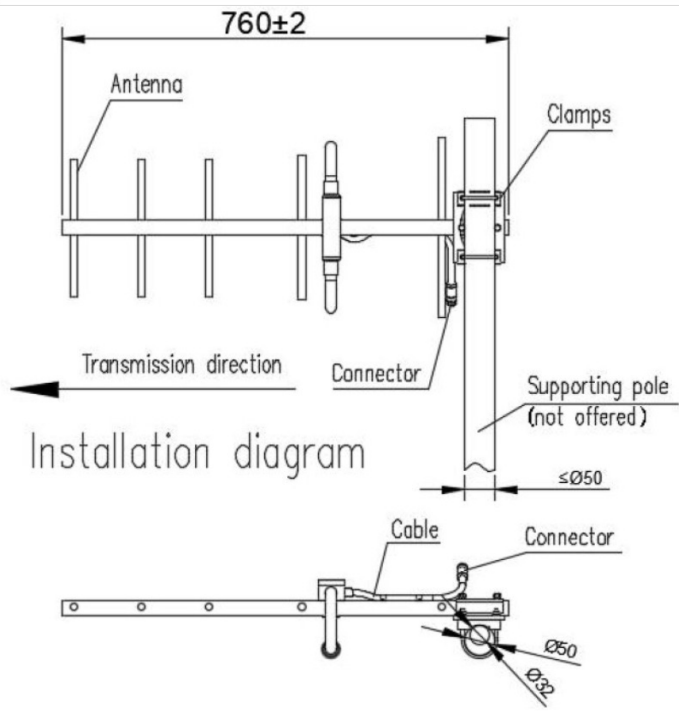
Horizontal



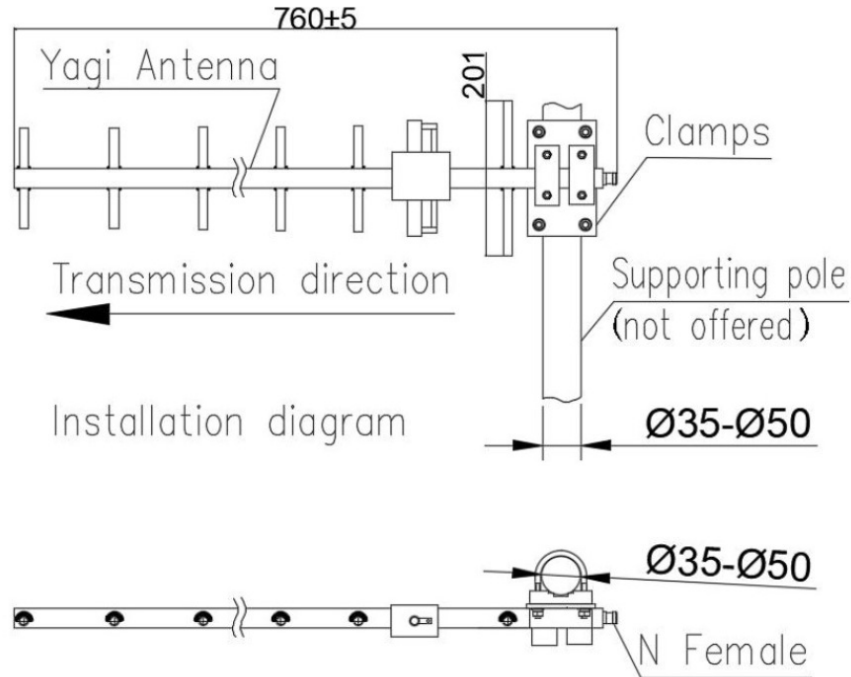
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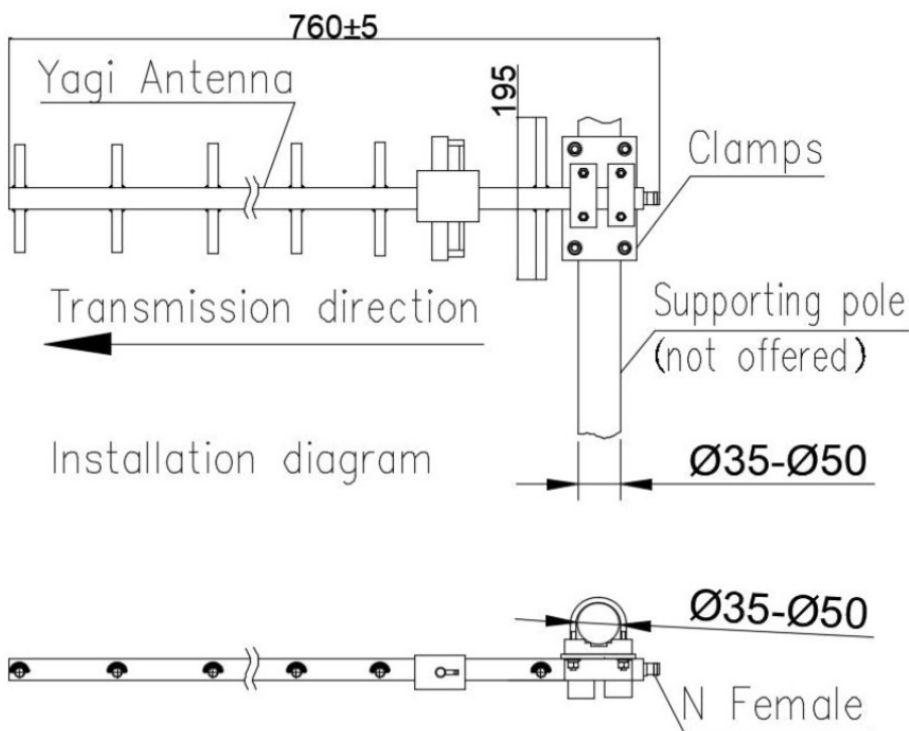
VY-VU5095-NF



VY-V74510-NF



VY-V84519-NF



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