

DATA SHEET

21-YHHAANS-1

VHF HIGH GAIN YAGI ANTENNA

Frequency: 136-174MHz

Gain: 12 dBi

IM3: N/A

Power Rating: 100W

IP Rating: IP65

Connector: N(female)

OVERVIEW

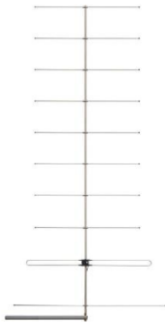
BRIDGE YAGI ANTENNAS are compatible with any Cellular, IoT, TETRA, WIFI, VHF and UHF network system.

The antennas are designed for highly directional narrow site applications. Custom working frequencies, connectors, beam degree angles and gains are available. Rugged materials are used in the manufacturing process which allows the antennas to have a long working life and consistent performance.

KEY FEATURES

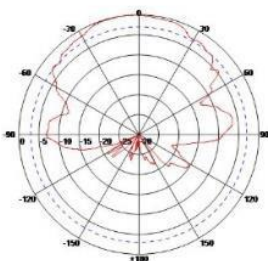
- N, Din 4.3-10 connectors, available upon request
- Optional qualified PIM performance
- Supports Wide-band working frequency ranges
- Supplied with mounting bracket
- Easy to install

Product Pictures

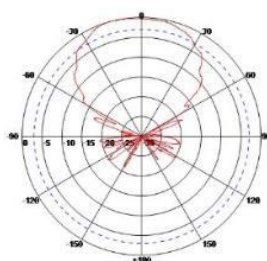


Radiation Diagrams

Horizontal plane pattern



Vertical plane pattern



TECHNICAL DATA

Electrical Specifications

Frequency Range (MHz)	136-174MHz
Gain	12dBi
VSWR	≤1.5 /-14dB
Polarization	Vertical
Beamwidth- H	40°
Beamwidth- V	36°
Power Rating	100W
PIM : IM3	N/A
Impedance	50Ω

Mechanical Specifications

Connectors	1xNFFemale
Feeder System	Jumper cable
Dimensions	1700mm
Weight	2.5kg
Color	Light Gray
Material	Cu/Aluminum Alloy

Environmental Specifications

Wind Load	160m/s
Temperature	-50°C~+60°C
Humidity	≤95%
IP Rating	IP65
Lightning Protection	DC Ground

Installation Specifications

Installation Method	Pole Mounting
Mounting Pole Diameter	Φ35~ Φ50
Accessories	N/A

Disclaimer All images are for reference purposes only

Revised: | B.1.1

Important Notice: Information contained in this data sheet is believed to be reliable at the date of issue, accuracy and completeness is not guaranteed. Bridge Components holds the right to change the product specifications without notice.