

## DATA SHEET

# 21-UEAE0F2-YS-12

# YAGI ANTENNA



**Frequency:** 698-960/1710-2700MHz

**Gain:** 9.5/11dBi

**Power Rating:** 50W

**Connector:** 4.3-10 Female

**IM3:** TBD

**IP Rating:** IP56 with air hole

## 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

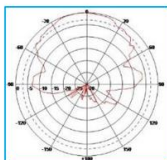


### Radiation Diagrams

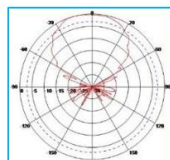
Horizontal plane pattern

Vertical plane pattern

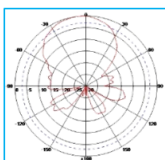
**698-960MHz**  
Horizontal Pattern



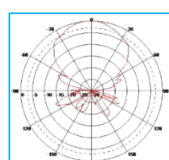
Vertical Pattern



**1710-2700MHz**  
Horizontal Pattern



Vertical Pattern



Disclaimer All images are for reference purposes only

## TECHNICAL DATA

### Electrical Specifications

Frequency Range (MHz)	698-960	1710-2700
Gain	9.5±1dBi	11±1dBi
VSWR	≤1.8	≤1.5
Polarization	Vertical	Vertical
Beamwidth- H	<75±15°	<60±12°
Beamwidth- V	<65±15°	<60±12°
Power Rating	50W	
PIM : IM3	TBD	
Impedance	50Ω	

### Mechanical Specifications

Connectors	4.3-10 Female
Feeder System	Jumper Cable
Dimensions	410x210x 60mm
Weight	1kg
Radome Color	Light Gray
Radome Material	UV-Resistance ABS

### Environmental Specifications

Wind Load	36.9m/s
Temperature	-40°C ~+70°C
Humidity	≤95%
IP Rating	IP56 with air hole
Lightning Protection	DC Ground

### Installation Specifications

Installation Method	Pole
Mounting Pole Diameter	φ35 ~ φ50
Accessories	U-bolt, Washers, Nuts

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.