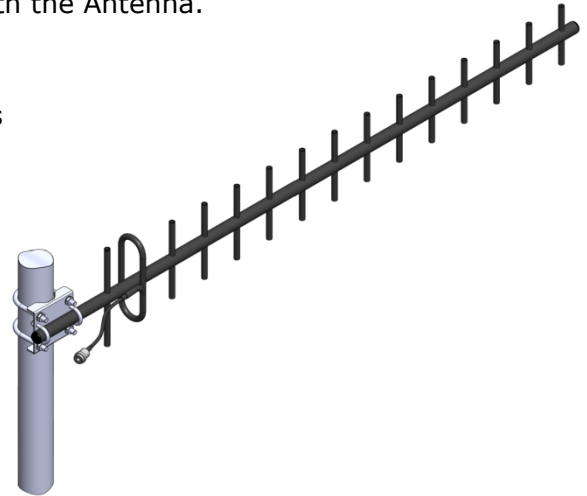


701-900-14 is Outdoor Rated Yagi Donor Antenna that offers 14dBi Gain in 700 MHz and 850 MHz Bands (698 MHz to 896 MHz). This Antenna is designed to have excellent signal quality by reducing out of band noise and improving Signal-to-Noise Ratio. The high Gain provided by this Antenna makes it a perfect Donor Antenna for the 700 MHz and 850 MHz Cellular and Public Safety Bands. The welded elements of the antenna make it a rugged structure for harsh environment. All mounting hardware including U-Bolts, brackets, nuts and screws are provided with the Antenna.

FEATURES:

- 700 MHz and 850 MHz Cellular and Public Safety Bands
- Superior Performance
- 14 dBi Gain from 698 MHz to 896 MHz
- Low VSWR
- Welded Elements for Rugged constructions
- Rated for 200 km/h wind velocity
- Outdoor Rated
- RoHS Compliant
- In Stock to low lead time delivery



ELECTRICAL SPECIFICATIONS:

Frequency Bands	698 MHz – 896 MHz
Gain	14 dBi
VSWR	≤ 1.9
Polarization	Horizontal or Vertical
Front to Back Ratio	≥ 17
No. of Elements	18
Horizontal Beamwidth	36°
Vertical Beamwidth	30°
Input Impedance	50 Ohms
Max Power	100 Watts
Lightning Protection	DC Ground

MECHANICAL SPECIFICATIONS:

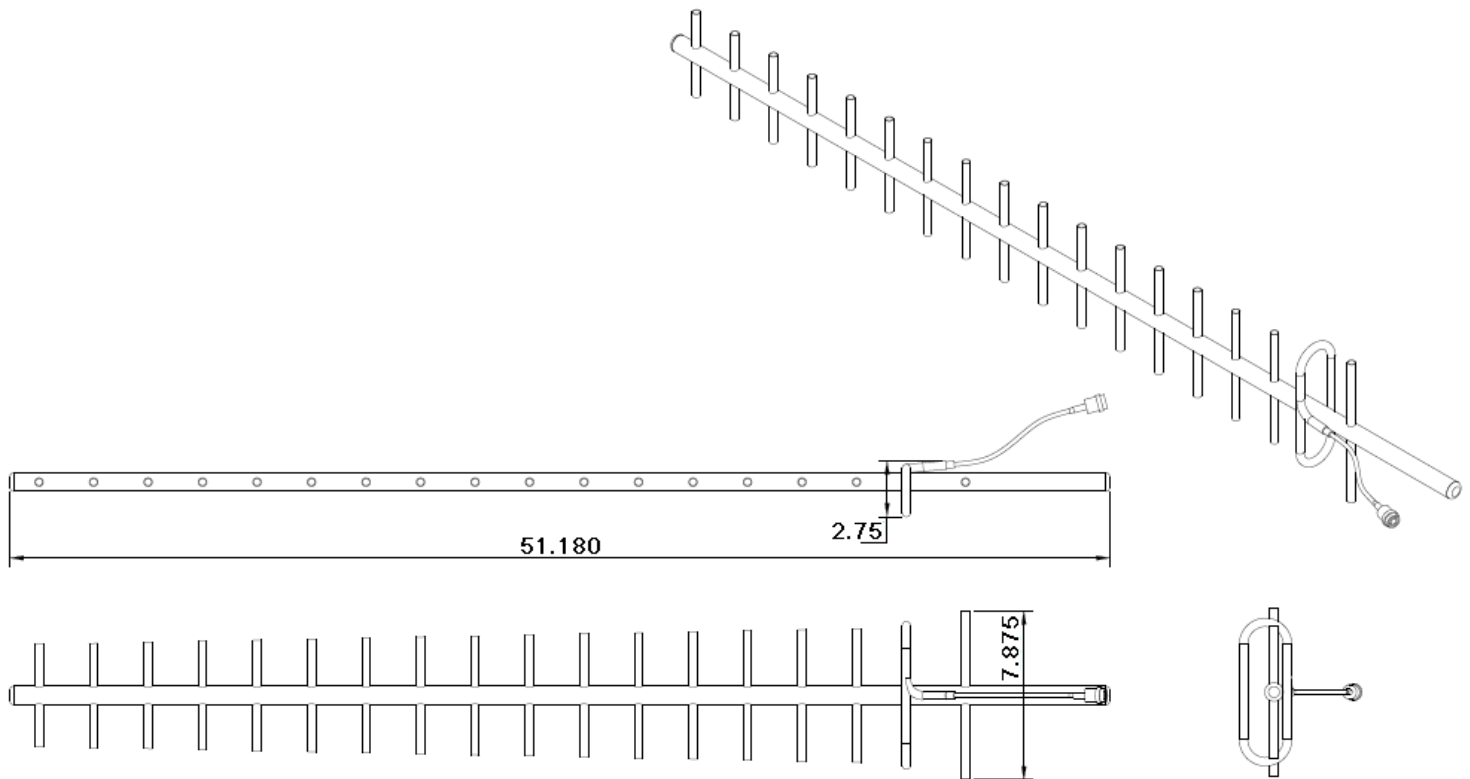
Connectors	Type-N(F) (Standard)
Environmental Class	Outdoor
Mounting	Pole Mount (Ø1.50" – Ø2.00")
Dimension	51.18" x 7.88" x 2.75"
Weight	2.5 lbs (w/ U-Bolt)
Reflector Material	Aluminum
Operating Temperature	-40°C to +65°C
Rated Wind Velocity	200 km/h

ORDERING INFO:

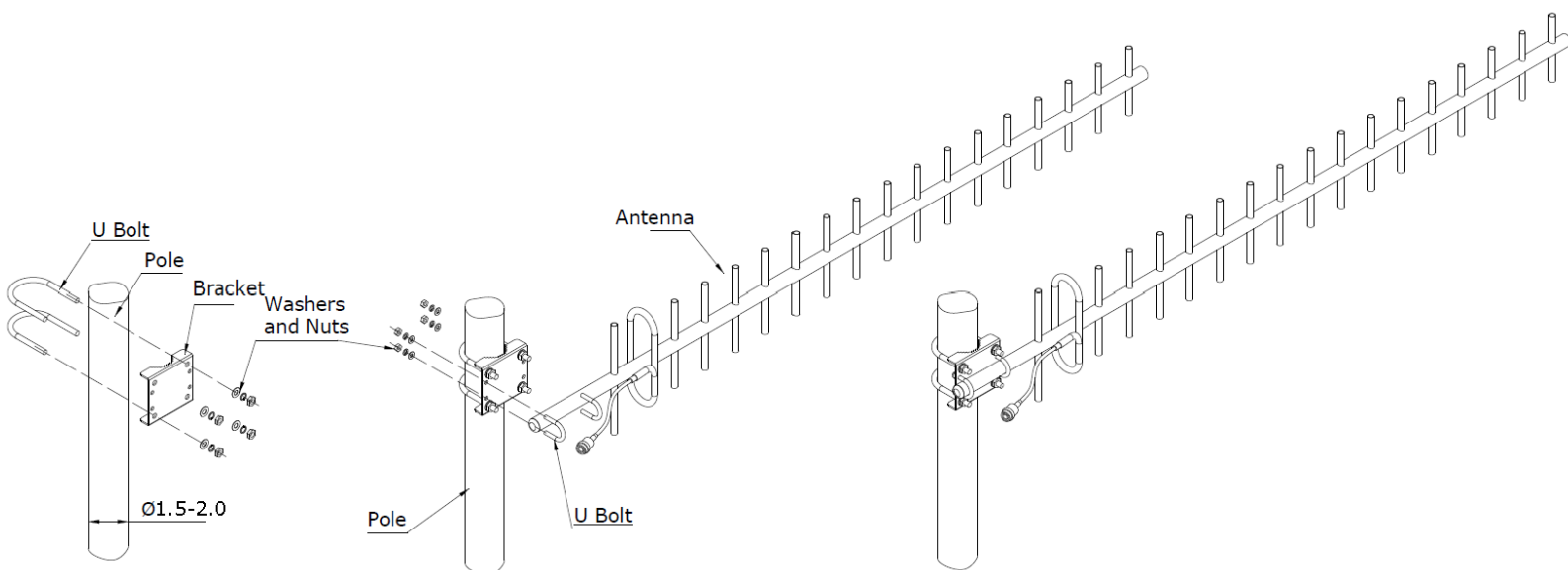
4.3-10 Conn: 701-900-14-D43

Type-N Conn: 701-900-14-N

Dimensions for 701-900-14-N

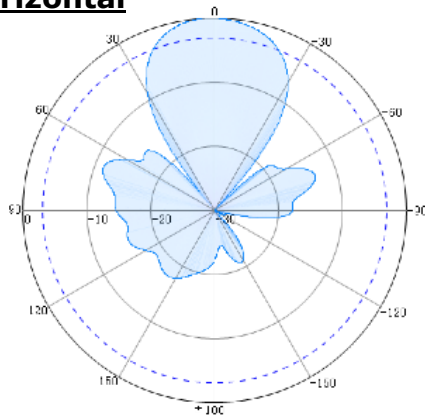


Mounting Info for 701-900-14-N

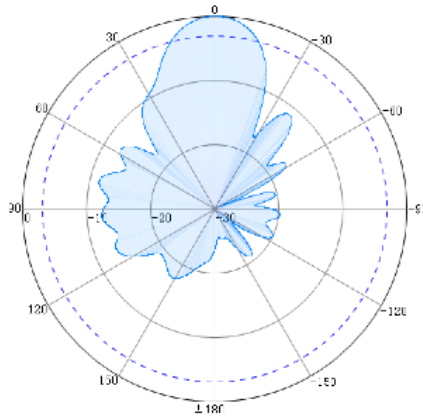


Radiation Patterns

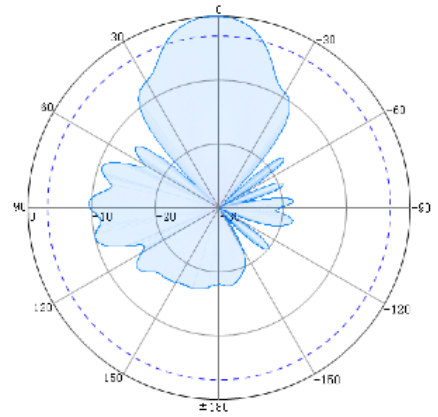
Horizontal



750 MHz

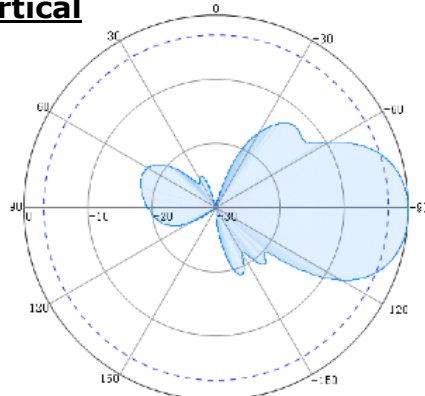


850 MHz

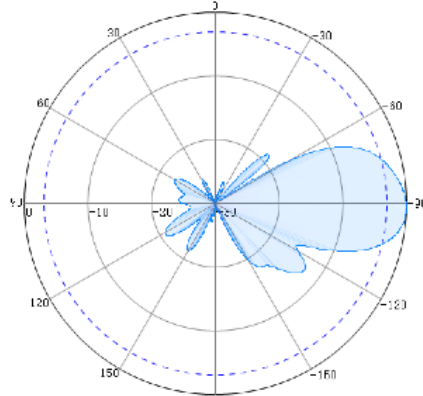


896 MHz

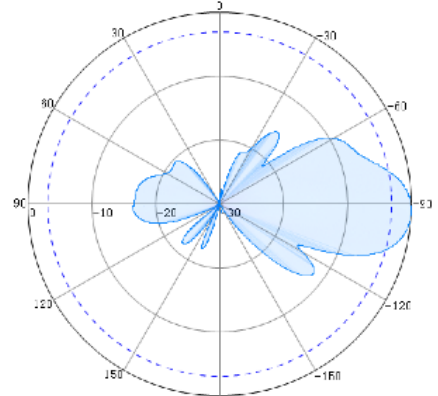
Vertical



750 MHz



850 MHz



896 MHz

Please contact our sales department at 737-200-7090 or sales@InnowaveRF.com for any custom requirements.

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