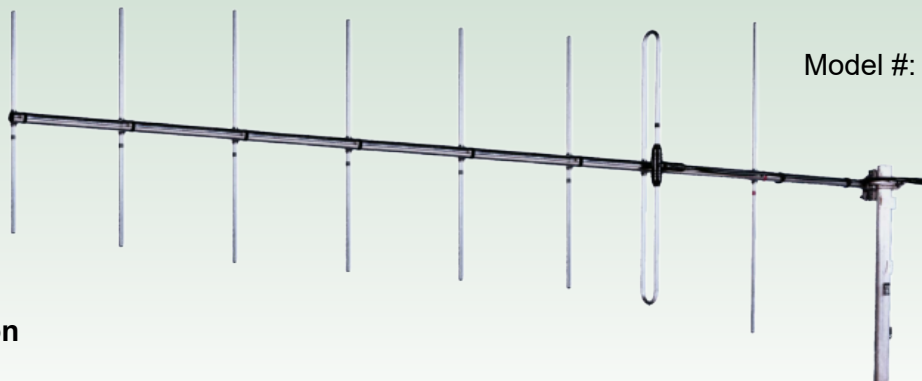




## 8 element Yagi 145 - 165 MHz



Model #: 104A-YA8-38G-10  
DS040613

### Description

- An 8-element UHF Yagi antenna for Cellular communications applications utilizing a slot radiator feed design to achieve higher directivity than comparable models.
- Produced to the highest quality standards, these robust antenna designs will ensure reliable operation in harsh environmental conditions.

### Electrical Specifications

Parameter	Value
Model	104A-YA8-38G-10
Frequency	145 – 165MHz
Max. Input Power	150 W
Polarisation	Linear (Vertical or Horizontal)
3 dB Beamwidth, E-Plane	45°
3 dB Beamwidth, H-Plane	54°
Impedance	50 $\Omega$
Gain	10 dBd (12.2 dBi)
VSWR	< 1.5:1
Front-To-Back Ratio	> 20 dB
Antistatic Protection	All metal parts DC-grounded (Connector shows a DC-short)

### Mechanical Specifications

Parameter	Value
Connection(s)	N(f) on 3m RG213/U cable
Materials	Boom, 32 mm dia., aluminum Elements, 12.7 mm dia., aluminum balun, fully molded enclosure
Length	Approx. 3410 mm / 134.25 in.
Wind Load	205 N (160 km/h)
Weight	Approx. 6 kg / 13.23 lb.

**TX RX Systems Inc.**

8625 Industrial Pkwy,

Angola, NY 14006

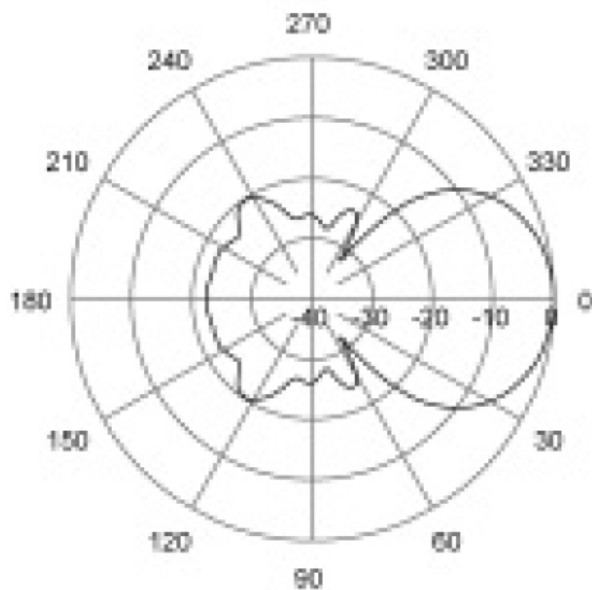
716.549.4700 [www.txrx.com](http://www.txrx.com)



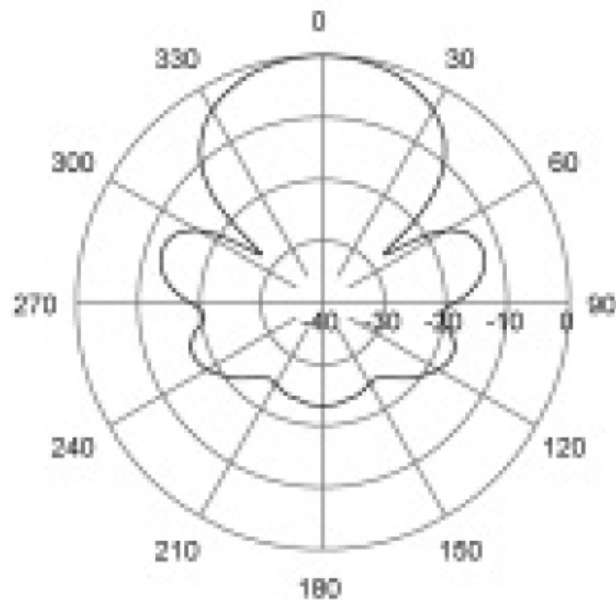
## Accessories

Description	Part Number
Galvanized steel crossover bracket 32/50mm	91-00-104A-54
Pressed steel cross clamp 2" x 1-1/4"	91-00-104A-21
Cast aluminum crossclamp, circular	91-00-104A-C
M8 x 50 mm (2") U-Bolts (1 Pair)	91-00-104-36
M8 x 75 mm (3") U-Bolts (1 Pair)	91-00-104-76
Fixed norstel / coupler clamp (cross clamp)	91-00-104A-N
Increasing sleeve	91-00-104A-SL

## Radiation Patterns



E-Plane | 155 MHz



H-Plane | 155 MHz