

GUARDIAN



TQ-DONOR-UHF-8 UHF Donor Antenna

FEATURES

- Wide Band (450-512 MHz)
- Designed for outdoor use only

Technical Specifications

Frequency	450-512 MHz
Antenna Gain	8±1 dBi
VSWR	≤1.5:1
Polarization Type	Vertical
Horizontal Beamwidth	90±10°
Vertical Beamwidth	60±10°
Front to Back Ratio	≥15 dB
Input Impedance	50 Ω
Max. Input Power	50 W
Lightning Protection	DC Ground
Connector Type	N-Female
Dimensions	19.7x15.0x5.04 inch
Weight	5.5 lb
Radome Material	Fiberglass
Operating Temperature	-30°C to +55°C



Installation

1. Install U-Bolt on Antenna, install, flat washer, split washer and nut.
2. Slide antenna and U-Bolt to desired location of the pole.
3. Point the antenna towards the nearest cellular tower.
4. Hand tighten the nut of the U-Bolt.

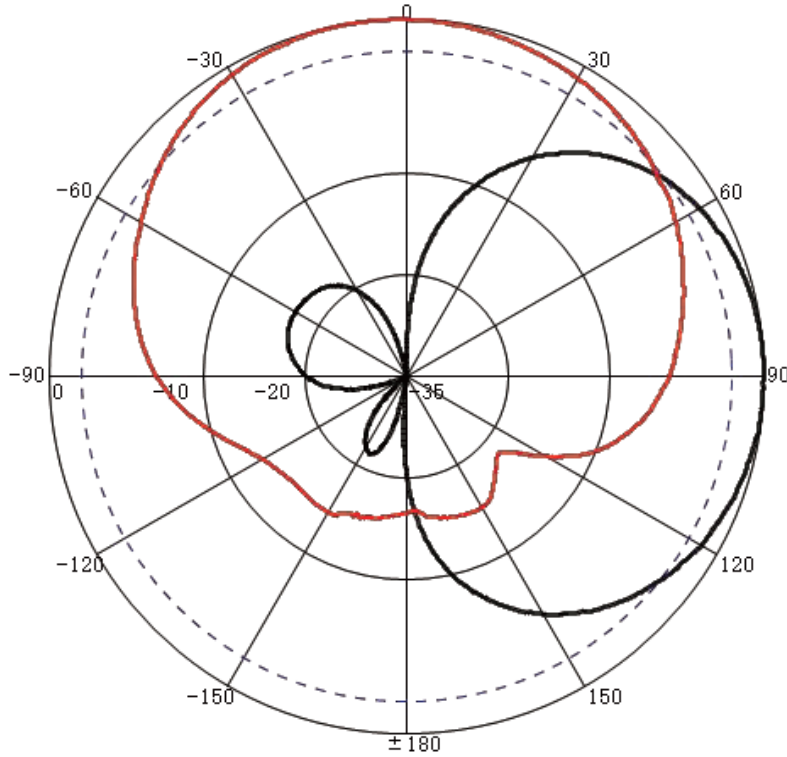
Note: Antenna may be installed on a variety of pipe angles. Ensure that the antenna is pointing in the direction of the closest cellular tower and is vertical with the drip hole at the bottom.

Ordering Information

Model	Description	Stock No.
TQ-DONOR-UHF-8	Outdoor, Yagi Directional Antenna, 50 ohm, 8 dBi, 450-512 MHz, 50 W	3996155

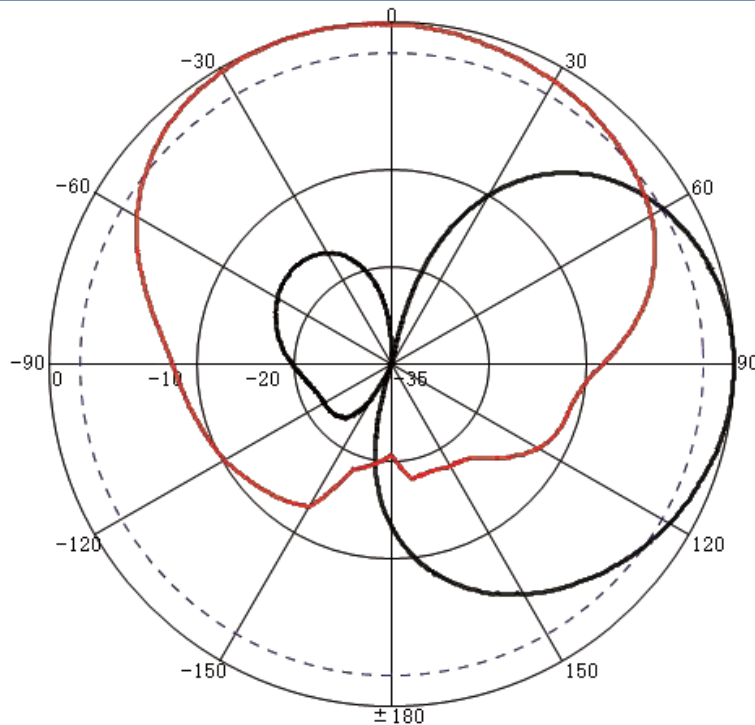
Testing Screen Shots

450MHz Radiation Pattern



Red: Horizontal
Black: Vertical

480MHz Radiation Pattern

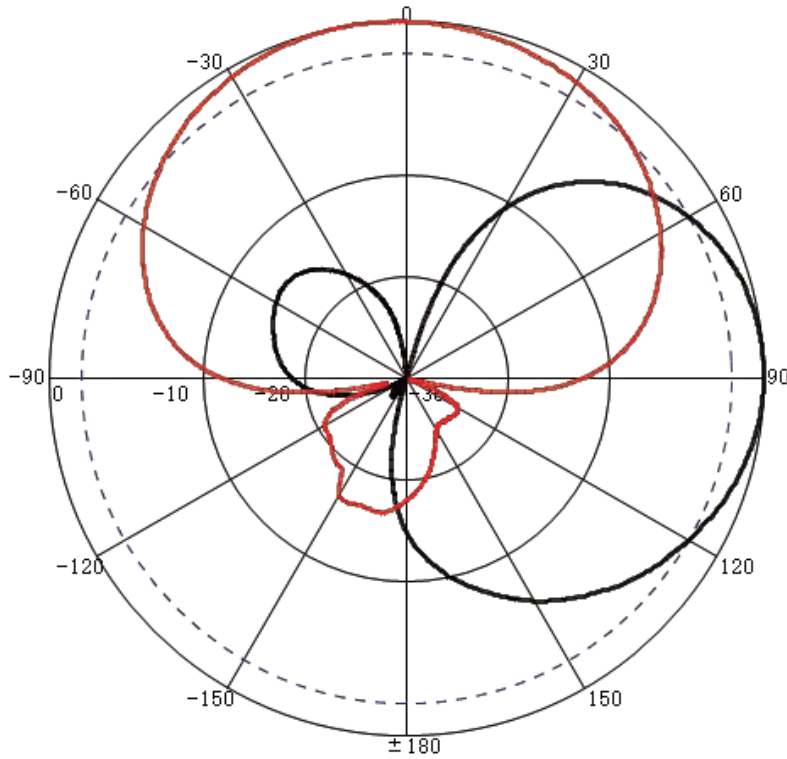


Red: Horizontal
Black: Vertical

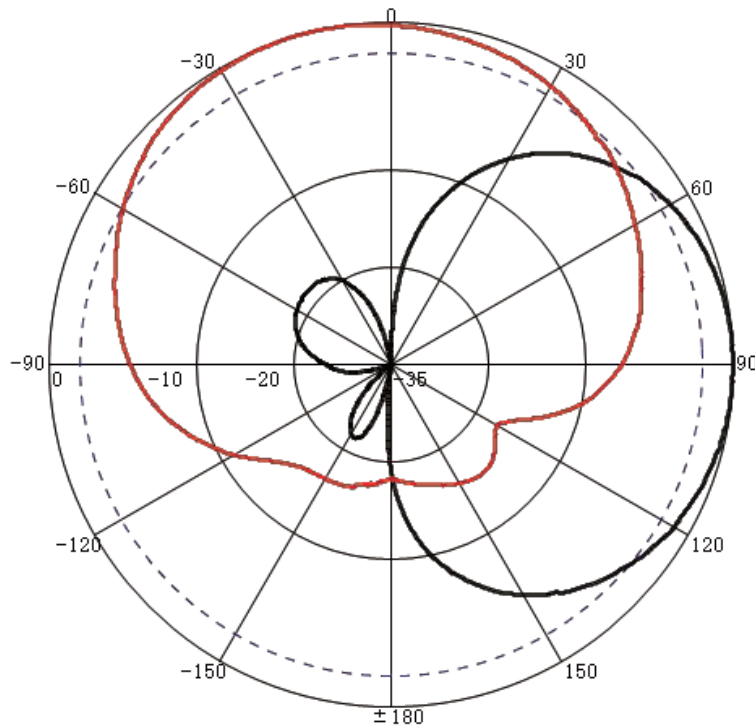


Testing Screen Shots

510MHz Radiation Pattern



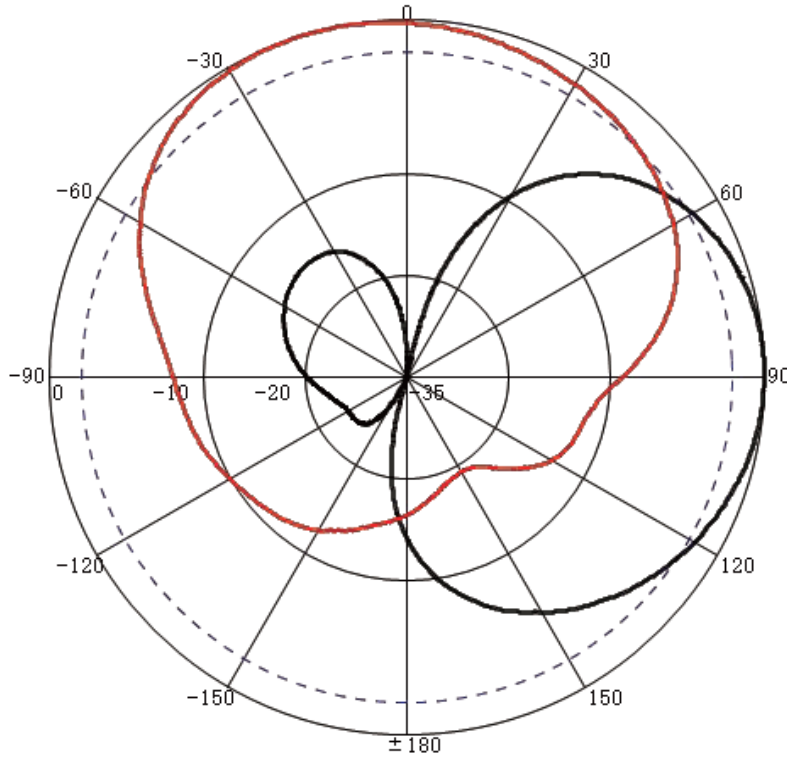
450MHz Radiation Pattern





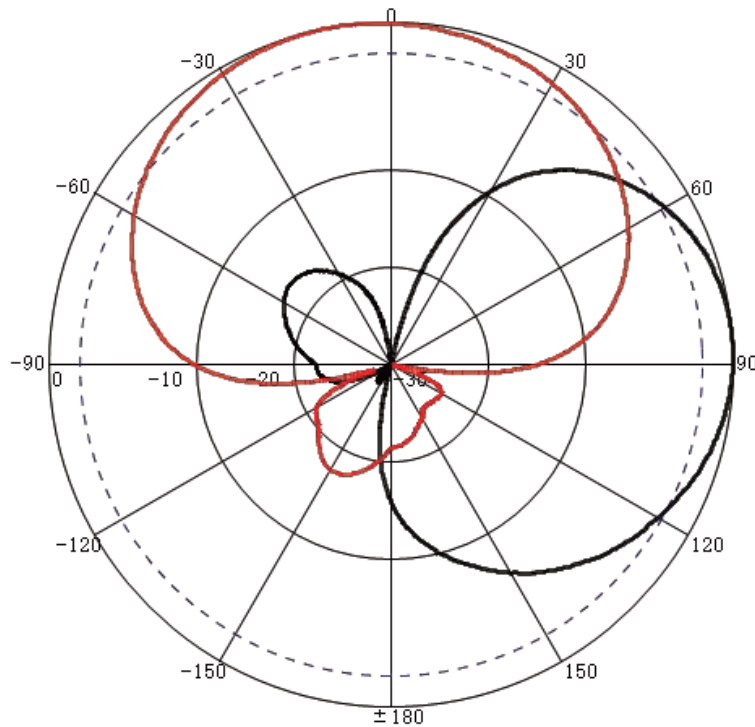
Testing Screen Shots

480MHz Radiation Pattern



Red: Horizontal
Black: Vertical

510MHz Radiation Pattern



Red: Horizontal
Black: Vertical