



PO Box 27301, Wellington

[www.cellutronics.co.nz](http://www.cellutronics.co.nz)

**ABF-17**

**DATA SHEET**



**NLOS  
Series Backfire  
Antenna  
824 to 896 MHz**

## **Features**

- High Gain Directional 800MHz Antenna
- Low Wind Loading Wire Grid Design
- Vertical or Horizontal Polarization
- High front to back ratio

## **Applications**

- 800 MHz Donor Repeater Applications
- Non Line of Sight Applications
- 800 MHz Backhaul Applications
- Point to Point Systems

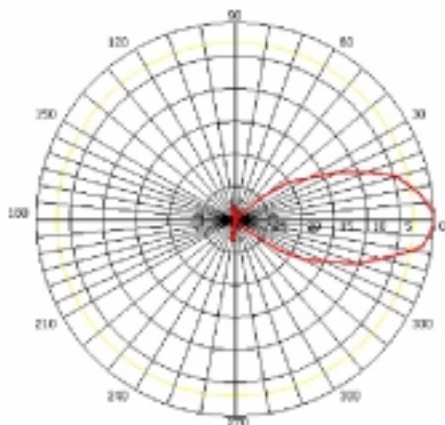
## **Description**

The NLOS Series Backfire antenna system is constructed of aluminum with light gray powder coat paint overcoat for long service life. These antennas have high gain and good front to back performance to minimize external interference. They can be mounted in vertical or horizontal polarization. They come standard with an N Female connector termination.

# Specifications

Parameter	Min	Typ	Max	Units
Frequency Range	824		896	MHz
Input Return Loss (S11)		-14		dB
VSWR		<1.5:1		
Impedance		50		$\Omega$
Input Power			300	W
Operating Temperature	-30		+60	Deg C
Rated Wind Velocity			216	Kmph
Gain	16	17	18	dB
Beamwidth Horizontal		25		
Beamwidth Vertical		25		
F/B		>30		dB
Dimensions		900 dia		Mm
Weight		10		Kg
Connector		N Female		

H - Plane



E-Plane

