



**BLACKHAWK**  
ANTENNAS

# Blackhawk Log Periodic Wideband Directional Antenna

698-960/1710-2700 MHz, 12/14 dBi (BH-YG-LOG-LPDA1)

The Blackhawk Log Periodic Directional Wideband antenna is designed for versatility, for use in a variety of environments, in low to high signal areas and mounted in almost any location.

No longer do you have to buy a new antenna when you switch carriers or be concerned what frequency your antenna supports.

The Blackhawk Log Periodic Directional Wideband Yagi offers a powerful 12 or 14 dBi gain over 698-2700MHz and is designed for those in poor coverage areas.

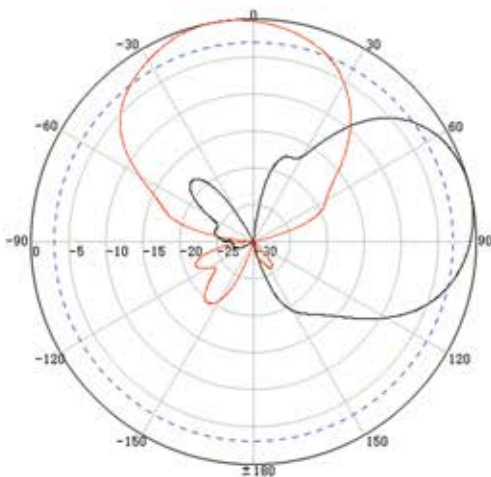
Mounting is made simple with a mast down-tilt bracket and U-Bolts. This enables you to mount the antenna on a flat surface or a pole.

## Features:

- ◆ Suitable for all mobile carriers
- ◆ Comes with mast down-tilt bracket and U-Bolt mounts
- ◆ Includes 10 metres RG58 Cable SMA-M to N/M
- ◆ Optional LMR400/LMR240 low loss cable lengths available
- ◆ Fully welded construction

## BLACKHAWK LOG PERIODIC ANTENNA

ELECTRICAL SPECIFICATIONS	MECHANICAL SPECIFICATIONS
Freq Range 698-960/1710-2700MHz	Dimensions 1370mm
Impedance 50 Ω	Weight 1.6 kg
VSWR ≤ 2.5 / 1.8	Operating Temperature -40°C- +65°C
Gain 12 / 14 dBi	Connector N-Female
Max Input Power 50W	Material Aluminium
Polarisation Vertical	Antenna Colour Black
Beamwidth Hz 55°/42° Vert 46°/34°	



Freq: 698MHz  
Polar\_Across Main  
Max: 31.76dB  
HPBW(3dB): 49.12°  
FBR: 24.80dB  
Aerial ratio: 55.23

Freq: 998MHz  
Polar\_Across Main  
Max: 32.13dB  
HPBW(3dB): 58.89°  
FBR: 25.87dB  
Aerial ratio: 45.07

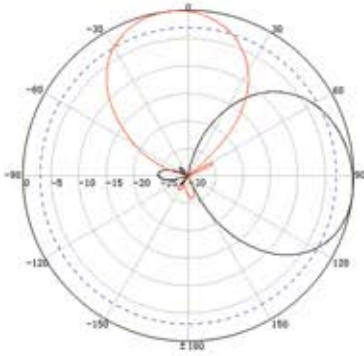
Gain: 11.77dB

ABN: 42 082 948 463

Telephone: 1300 769 378  
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Email: sales@powertec.com.au  
Website: www.powertec.com.au

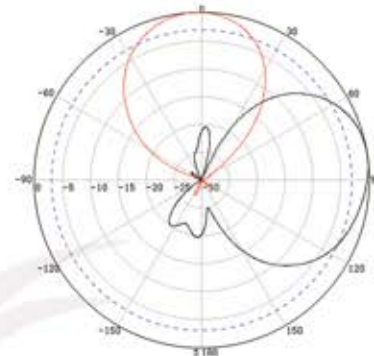
16/511 Olsen Avenue  
Southport QLD 4215  
Australia



Freq 80MHz  
Polar\_Across\_Main  
Max: 25.30dB  
HPBW(3dB): 44.61°  
FBR: 24.45dB  
Azim\_ratio: 20.84

Freq 80MHz-1  
Polar\_Across\_Main  
Max: 23.30dB  
HPBW(3dB): 46.41°  
FBR: 23.04dB  
Azim\_ratio: 22.88

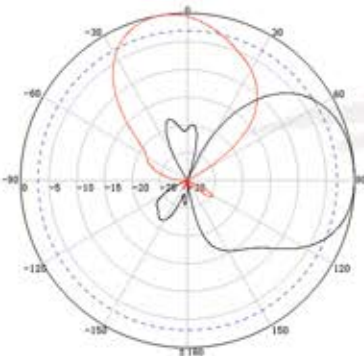
Gain: 13.11dBi



Freq 870MHz  
Polar\_Across\_Main  
Max: 20.40dB  
HPBW(3dB): 50.13°  
FBR: 25.67dB  
Azim\_ratio: 40.18

Freq 870MHz-1  
Polar\_Across\_Main  
Max: 18.21dB  
HPBW(3dB): 44.61°  
FBR: 27.05dB  
Azim\_ratio: 50.63

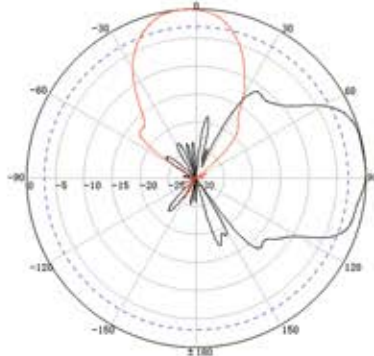
Gain: 17.07dBi



Freq 900MHz  
Polar\_Across\_Main  
Max: 20.04dB  
HPBW(3dB): 54.73°  
FBR: 24.90dB  
Azim\_ratio: 46.69

Freq 900MHz-1  
Polar\_Across\_Main  
Max: 20.75dB  
HPBW(3dB): 58.93°  
FBR: 28.25dB  
Azim\_ratio: 61.38

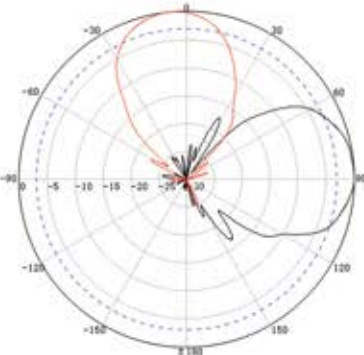
Gain: 17.35dBi



Freq 1710MHz  
Polar\_Across\_Main  
Max: 21.75dB  
HPBW(3dB): 48.47°  
FBR: 27.76dB  
Azim\_ratio: 43.28

Freq 1710MHz-1  
Polar\_Across\_Main  
Max: 21.89dB  
HPBW(3dB): 54.71°  
FBR: 30.46dB  
Azim\_ratio: 49.72

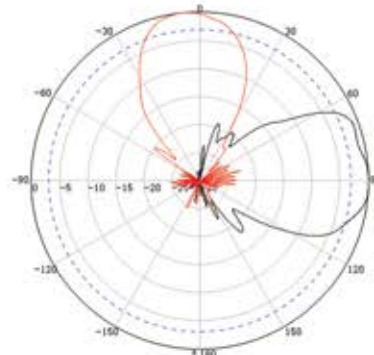
Gain: 17.43dBi



Freq 1800MHz  
Polar\_Across\_Main  
Max: 15.86dB  
HPBW(3dB): 42.37°  
FBR: 25.42dB  
Azim\_ratio: 52.18

Freq 1800MHz-1  
Polar\_Across\_Main  
Max: 17.51dB  
HPBW(3dB): 37.64°  
FBR: 24.70dB  
Azim\_ratio: 58.54

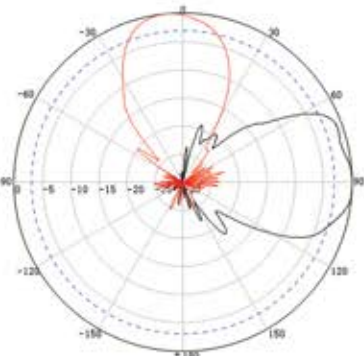
Gain: 12.11dBi



Freq 1900MHz  
Polar\_Across\_Main  
Max: 16.93dB  
HPBW(3dB): 42.95°  
FBR: 27.83dB  
Circularity: 32.54  
Azim\_ratio: 57.30

Freq 1900MHz-1  
Polar\_Across\_Main  
Max: 19.02dB  
HPBW(3dB): 23.64°  
FBR: 24.73dB  
Circularity: 33.07  
Azim\_ratio: 43.71

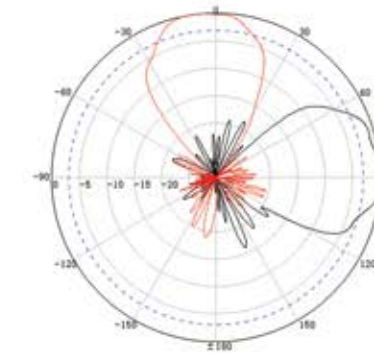
Gain: 14.77dBi



Freq 1920MHz  
Polar\_Across\_Main  
Max: 16.99dB  
HPBW(3dB): 42.95°  
FBR: 27.83dB  
Azim\_ratio: 57.30

Freq 1920MHz-1  
Polar\_Across\_Main  
Max: 18.02dB  
HPBW(3dB): 33.64°  
FBR: 24.73dB  
Azim\_ratio: 43.71

Gain: 12.71dBi



Freq 2170MHz  
Polar\_Across\_Main  
Max: 18.42dB  
HPBW(3dB): 40.77°  
FBR: 31.44dB

Freq 2170MHz-1  
Polar\_Across\_Main  
Max: 20.05dB  
HPBW(3dB): 30.62°  
FBR: 18.99dB  
Azim\_ratio: 44.93

Gain: 18.11dBi