

Single Band Urban Antenna

90° 1.3 m vertical polarized FET Antenna

Part Number: 7231.04	Horizontal Beamwidth: 90° Gain: 14.0 dBi / 11.9 dBd	Electrical Downtilt: 0° Connector Type: 7/16 DIN female
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870-960 MHz

The Powerwave® Urban Single Band Antenna blends inconspicuously into structural backgrounds due to its slim design. This makes it an ideal choice for built-up areas, whether domestic or commercial. State-of-the-art patch technology allows the antenna's characteristic flat design. Made from corrosion-resistant aluminum and PVC, its exceptionally rugged design reassures you that every Urban antenna we produce provides reliable, lasting service even in the most demanding environments.



Key Benefits

- Market Leading Performance
- Vertical Polarization
- Light Weight
- Reliable Lasting Service

ANTENNA
SYSTEMS

BASE STATION
SYSTEMS

COVERAGE
SYSTEMS

THE POWER IN WIRELESS®

 **Powerwave**
technologies

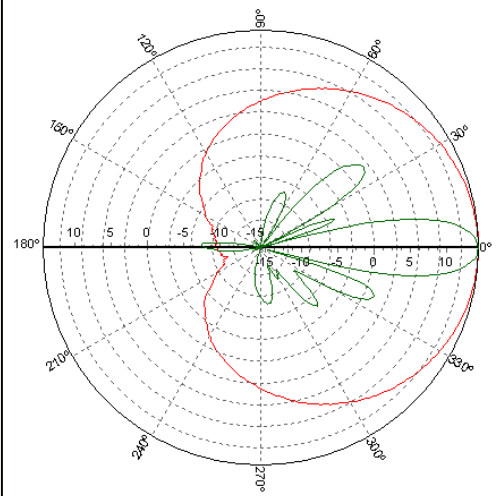
870-960 MHz

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Electrical Specifications

Frequency Band (MHz)	870 – 960
Gain (dBi / dBd)	14.0 / 11.9
Polarization	Linear vertical
Nominal Impedance (Ohm)	50
VSWR	< 1.3:1
Horizontal –3 dB beamwidth	90°
Electrical downtilt	0°
Vertical –3 dB beamwidth	14°
First upper sidelobe suppression (dB)	>15
Vertical beam squint	<0.5°
Front-to-back ratio, co-polar (dB)	> 20
Maximum input power (W)	500
IM3, @2x43dBm (dBc)	<-150

All specifications are subject to change without notice.
Contact your Powerwave representative for complete performance data.



Typical Horizontal and Vertical 7231.04 Patterns

Mechanical Specifications

Connector Type	7/16 DIN female
Connector Position	Bottom
Dimensions, HxWxD	1320x160x55mm (4'4"x6"x2")
Weight Including Bracket	7,5kg (16.5 lbs)
Wind Load, Frontal, 42 m/s, Cd=1	233 m/s (52 lbf)
Survival Wind Speed	55 m/s (123 mph)
Lightning Protection	DC grounded
Radome Material	PVC
Radome Color	Light gray
Packing Size	1430x216x156mm (4'8"x9"x6")
Shipping Weight	9kg (20 lbs)

Corporate Headquarters
Powerwave Technologies, Inc.
1801 East St. Andrew Place
Santa Ana, CA 92705 USA
Tel: 714-466-1000
Fax: 714-466-5800
www.powerwave.com

Main European Office
Antennvägen 6
SE-187 80 Täby
Sweden
Tel: +46 8 540 822 00
Fax: +46 8 540 823 40

Main Asia Pacific Office
23 F Tai Yau Building
181 Johnston Road
Wanchai, Hong Kong
Tel: +852 2512 6123
Fax: +852 2575 4860



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D031-08062 Rev A