

# Single Band Urban Antenna

90° 2.6 m vertical polarized FET Antenna

Part Number:  
7233.08

Horizontal Beamwidth: 90°  
Gain: 16.5 dBi / 14.4 dBd

Electrical Downtilt: 2°  
Connector Type: 7/16 DIN female

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

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SYSTEMS

THE POWER IN WIRELESS®

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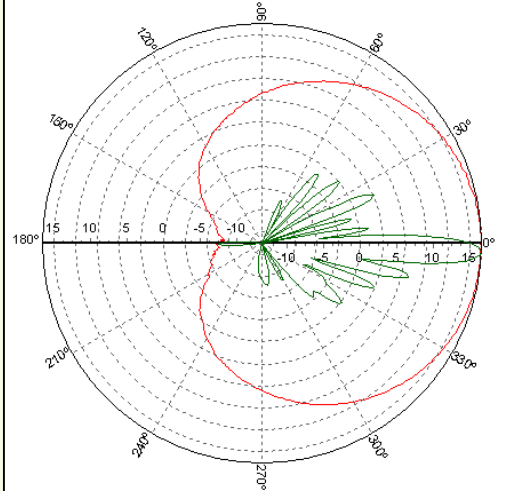
# Single Band Urban Antenna

870-960 MHz

## Electrical Specifications

Frequency Band (MHz)	870 – 960
Gain (dBi / dBd)	16.5 / 14.4
Polarization	Linear vertical
Nominal Impedance (Ohm)	50
VSWR	< 1.3.1
Horizontal –3 dB beamwidth	90°
Electrical downtilt	2°
Vertical –3 dB beamwidth	6.5°
First upper sidelobe suppression (dB)	>17
Vertical beam squint	<0.3°
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 7233.08 Patterns

## Mechanical Specifications

Connector Type	7/16 DIN female
Connector Position	Bottom
Dimensions, HxWxD	2580x160x55mm (8'6"x6"x2")
Weight Including Bracket	12kg (26.5 lbs)
Wind Load, Frontal, 42 m/s, Cd=1	455 m/s (102 lbf)
Survival Wind Speed	55 m/s (123 mph)
Lightning Protection	DC grounded
Radome Material	PVC
Radome Color	Light gray
Packing Size	2690x216x156mm (8'10"x9'x6")
Shipping Weight	15kg (33 lbs)

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