

# Single Band Urban Antenna

65° 2.6 m vertical polarized FET Antenna

Part Number: 7228.06	Horizontal Beamwidth: 65° Gain: 18.0 dBi / 15.9 dBd	Electrical Downtilt: 6° 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

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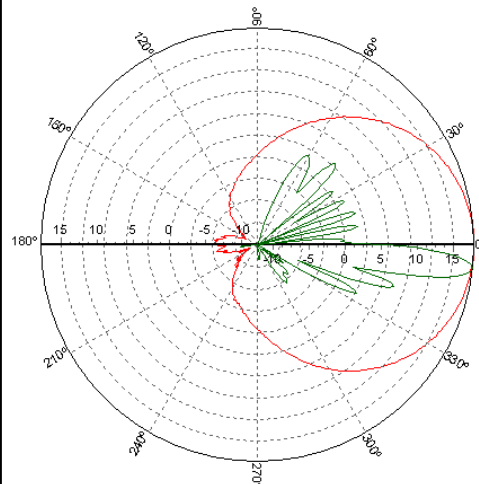
# 870-960 MHz

## Single Band Urban Antenna

### Electrical Specifications

Frequency Band (MHz)	870 – 960
Gain (dBi / dBd)	18.0 / 15.9
Polarization	Linear vertical
Nominal Impedance (Ohm)	50
VSWR	< 1.3:1
Horizontal –3 dB beamwidth	65°
Electrical downtilt	6°
Vertical –3 dB beamwidth	6.5°
First upper sidelobe suppression (dB)	>17
Front-to-back ratio, co-polar (dB)	> 25
First Null below horizon (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 7228.06 Patterns

### Mechanical Specifications

Connector Type	7/16 DIN female
Connector Position	Bottom
Dimensions, HxWxD	2580x256x50mm (8'6"x10"x2")
Weight Including Bracket	14kg (31lbs)
Wind Load, Frontal, 42 m/s, Cd=1	728 m/s (164 lbf)
Survival Wind Speed	55 m/s (123 mph)
Lightning Protection	DC grounded
Radome Material	PVC
Radome Color	Light gray
Packing Size	2690x308x121mm (8'10"x1'x5")
Shipping Weight	17kg (379 lbs)

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