

870-960 MHz Single Band Urban Antenna

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870-960 MHz

Part Number:
7226.04

Horizontal Beamwidth: 65°
Gain: 15.5 dBi

Electrical Downtilt: 0°
Connector Type: 7/16

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.



870-960 MHz
Single Band -Urban Antenna

Key Benefits:

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

ANTENNA
SYSTEMS

BASE STATION
SYSTEMS

COVERAGE
SYSTEMS

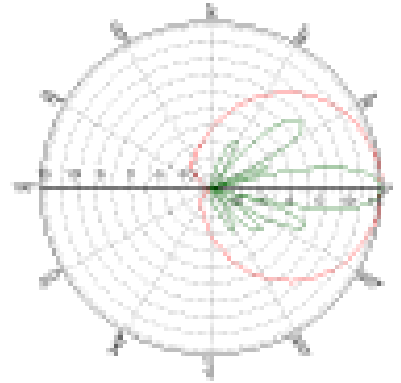
870-960 MHz



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Electrical Specifications

Frequency Range (MHz)	870 – 960
Polarization	Linear vertical
Gain, co-polar (dBi)	15.5
Nominal Impedance (Ohm)	50
VSWR, TX	<1.3:1
VSWR, RX	<1.4:1
Horizontal –3 dB beamwidth	65° +/-4
Vertical –3 dB beamwidth	14°
Electrical downtilt	0°
Vertical beam squint	
Front-to-back ratio, co-polar (dB)	>23
First upper sidelobe suppression (dB)	>17
First Null below horizon (dB)	N/A
Maximum input power (W)	500
IM, 3 rd order, 2 Tx@43dBm (dBc)	<-150



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

Mechanical Specifications

Connector type	7/16
Connector position	Bottom
Dimensions, HxWxD	1320x256x50mm (4'4"x10"x2")
Weight, including brackets	7kg (15 lbs)
Wind load, frontal, 42 m/s Cd=1 (N)	370
Survival wind speed (m/s)	55
Lightning protection	DC grounded
Radome material	PVC
Radome color	Light gray*
Packing size	1430x308x121mm (4'8"x1'x5")
Shipping weight	8.5kg (19 lbs)

Comments

Gain is typical within frequency band.
Sidelobe suppression and null fill is relative to peak of main beam.
Front-to-back ratio is defined within 20° from the backwards direction in any plane.
Radiation patterns are typical for the antenna
Shipping weight including tilt brackets. Antenna is delivered with brackets premounted
*Radome color is NCS 2502-B (RAL 7035).

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COVERAGE AND CAPACITY

TECHNOLOGY LEADERSHIP

GLOBAL PARTNER

INTEGRATED SOLUTIONS

QUALITY AND RELIABILITY