Single Band X-Urban Antenna

65° 2.6 m X-polarized FET Antenna

880-960 MHz

Part Number: 7218.15

Horizontal Beamwidth: 65°
Gain: 18.0 dBi / 15.9 dBd

Electrical Downtilt: 0º
Connector Type: 7/16 DIN female

The Powerwave® X-Urban Single Band Antenna shares its characteristically slim design with the Urban antenna. Its outstanding performance in the field derives from excellent VSWR (Voltage Standing Wave Ratio), isolation beam squint and tracking. This design ensures minimized intermodulation products, thus substantially enhancing system benefits.

The Powerwave® polarization diversity systems use one antenna with two orthogonal polarizations slanted at ±45° to provide the independently fading signals needed for achieving top-quality coverage. As a result of thorough, in-depth research and testing, Powerwave® has produced a variety of designs that ensure the isolation, cross polarization discrimination and orthogonality between inputs needed to achieve the highest possible diversity gain, hence the most efficient system performance.

Key Benefits

- Dual Polarization
- Market Leading Performance
- Light and slim design
- Robust and reliable
- Guaranteed passive intermodulation performance

ANTENNA SYSTEMS

BASE STATION SYSTEMS

COVERAGE SYSTEMS

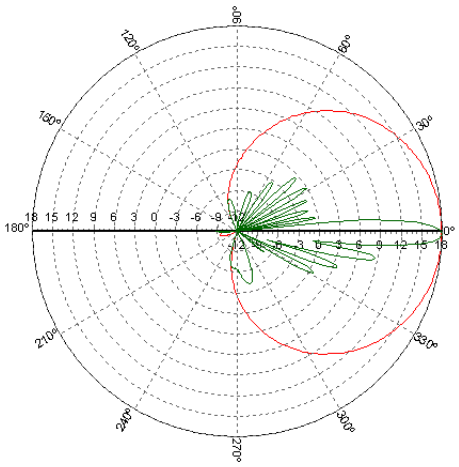
Single Band X-Urban Antenna

880-960 MHz

Electrical Specifications

Frequency Band (MHz)	880 – 960
Gain (dBi / dBd)	18.0 / 15.9
Polarization	Linear slanted ± 45°
Nominal Impedance (Ohm)	50
VSWR	< 1.3.1
Isolation between inputs (dB)	> 30
Horizontal –3 dB beamwidth	65°
Tracking, Horizontal plane (dB)	< 1
Electrical downtilt	0°
Vertical –3 dB beamwidth	6.5°
First upper sidelobe suppression (dB)	>18
Vertical beam squint	<0.3°
Front-to-back ratio, co-polar (dB)	>24
Front-to-back ratio, total power (dB)	>20
Cross-polar discrimination (dB)	>18
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 7218.15 Patterns

Mechanical Specifications

Connector Type	7/16 DIN female
Connector Position	Bottom
Dimensions, HxWxD	2580x256x50mm (8’6”x10”x2”)
Weight Including Bracket	14kg (31 lbs)
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	18kg (39.7 lbs)

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Powerwave technologies

COVERAGE AND CAPACITY | TECHNOLOGY LEADERSHIP | GLOBAL PARTNER | INTEGRATED SOLUTIONS | QUALITY AND RELIABILITY

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