

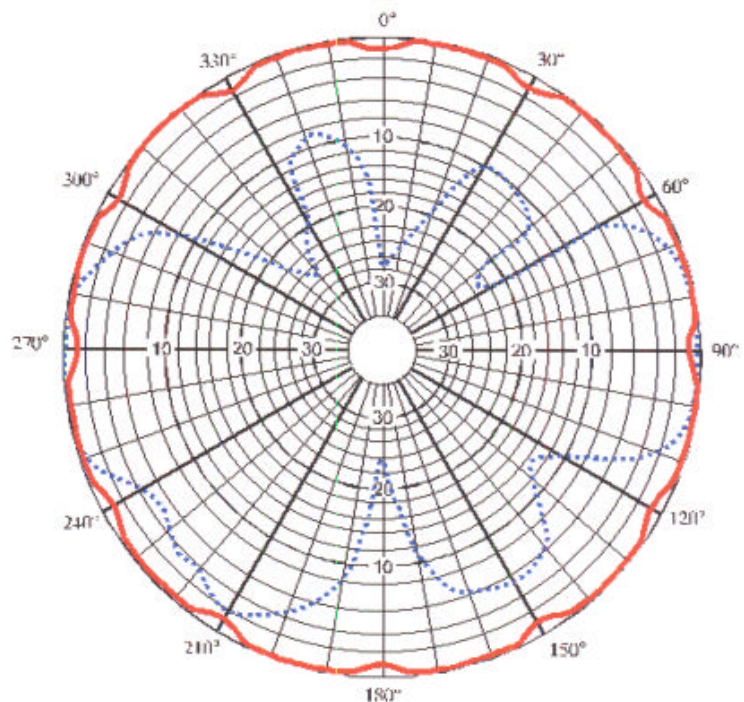
OMNIDIRECTIONAL ANTENNA

LXE® Spire™ Antenna Product Data Sheet



The **LXE Spire** antenna's unique design provides improved pattern integrity over other omnidirectional antennas currently available in the marketplace. The omnidirectional antenna comes in both high and medium gain configurations and can be paired with a number of accessories - NEMA enclosures, plenum-rated ceiling enclosures - to meet your specific installation requirements. By combining LXE's unmatched radio experience with EMS Technologies advanced antenna designs, LXE offers an unparalleled 2.4 GHz wireless network solution.

- Greater throughput for 2.4 GHz solutions.
- Superior performance in high multipath environments.
- Improved pattern integrity.



..... Typical 2.4GHz Omni Antenna
—— LXE Spire Antenna



TECHNICAL SPECIFICATIONS

LXE Spire Antenna



LXE ceiling enclosure for indoor environments.



LXE Radome

Electrical Characteristics

Frequency
2.4 to 2.5 GHz
Impedance
50 ohms
VSWR
1.5 : 1
Polarization
Vertical
High gain version
Gain - 6 dBi typical
Beamwidth - 20° typical
Medium gain version
Gain - 3 dBi typical
Beamwidth - 40° typical
Pattern
Omnidirectional

Mechanical Characteristics

Height
High gain w/o radome - 6"
Medium gain w/o radome - 3"
Radome - 6.2"
Weight
No radome or bracket - .10 lbs.
With radome and bracket - 2.1 lbs.
Radome material
Royalite R450M
Radios supported
2.4 GHz FHSS
2.4 GHz DSSS
Connector
Reverse TNC
Temperature
-40°C to 70°C
Mounting options
Ceiling enclosure
Masts

Configuration	Vertical Beamwidth	Down Tilt	Antenna Length
High gain on ground plane	25°	25°	6"
Medium gain on ground plane	28°	12°	3"
High gain off ground plane	35°	35°	6"
Medium gain off ground plane	40°	5°	3"



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