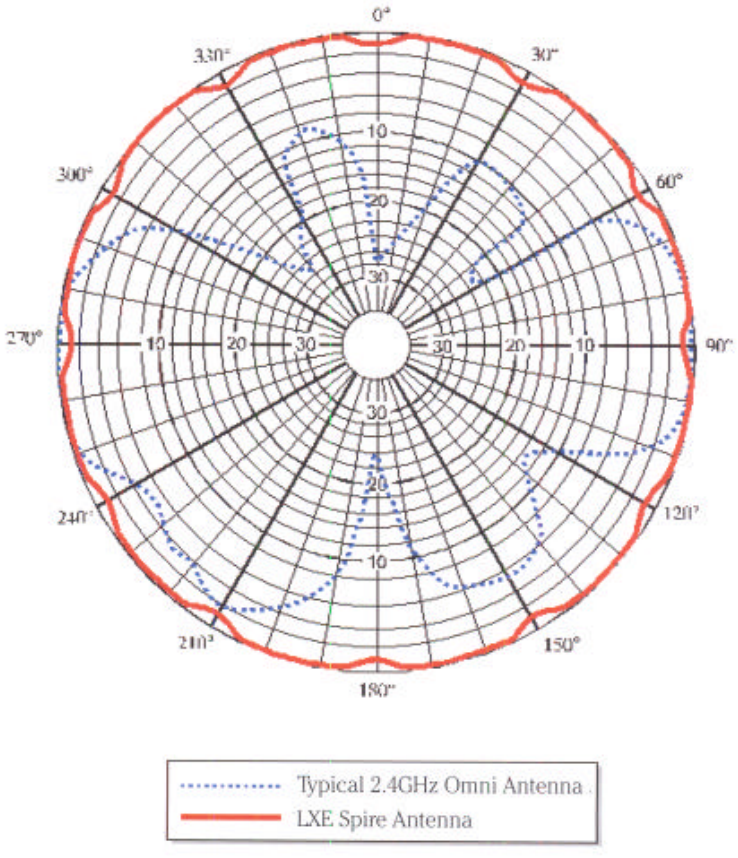
OMNIDIRECTIONAL ANTENNA

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.



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"

Wireless Solutions. Guaranteed.

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