

# Telex® Technical Data

2.4 GHz WLAN Omnidirectional Antenna

2.4 - 2.5 GHz

Order No. 2439AA

## General Description

This antenna was designed for WLAN applications for frequencies of 2400 MHz to 2500 MHz. The antenna is omnidirectional and has a nominal gain of 9.5 dBi when measured at the standard type-N coax connector. This design uses an elevated center-feed to produce an elevation pattern with very little “squint” or beam-tilt. This antenna will consistently outperform smaller omnidirectional antennas with less gain. It is designed to be mounted on a round mast.



## Specifications

### Electrical:

Frequency Range.....	2400 - 2500 MHz
VSWR.....	nominal 1.6:1, 2:1 maximum
Nominal Impedance .....	50 ohms
Norminal Gain.....	9.5 dBi
Half-power Elevation Beamwidth .....	8 degrees
Elevation Beam-tilt.....	.0 ±3 degrees
Polarization .....	Vertical
Maximum Power .....	10 watts

### Mechanical:

Size (without mount).....	1.625 OD x 36 inches
Mounting method .....	SS U-bolts, 2.0 inch OD max.
Exposed Cable length .....	4 inches
Cable Type .....	50 ohm
Connector .....	type N female
Wind Survival (per EIA-222-E at 100' height) .....	170 mph
Ice, snow .....	Withstands ½” radial ice @ 130 mph
Humidity .....	5% - 95% (non-condensing)

Since it is the intent of TELEX COMMUNICATIONS, INC. to continually improve its products, Telex reserves the right to make specification and design changes without notice.



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