

Telex[®] Technical Data

High-Gain Omnidirectional WLAN/WISP Antenna

Order No. 2439AA-1

2.4-2.5 GHz

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 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	9 degrees
Elevation Beam-tilt.....	0 ±3 degrees
Polarization	Vertical
Maximum Power	10 watts

Mechanical:

Size (without mount).....	1.0 OD x 30 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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