

Telex[®] Technical Data

2.4 GHz WLAN Omnidirectional Antenna

2.4 - 2.5 GHz

Order No. 2437AA

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 7.5 dBi when measured at the standard type-N coax connector. This design uses a bottom-feed and produces an elevation pattern with approximately 4 degrees downward beam-tilt. This antenna is designed to be mounted on a round mast.



Specifications

Electrical:

Frequency Range.....	2400 - 2500 MHz
VSWR.....	less than 2.0:1, 1.5:1 nominal
Nominal Impedance	50 ohms
Nominal Gain.....	7.5 dBi
Half-power Elevation Beamwidth	13 degrees
Elevation Beam-tilt.....	-4 degrees
Polarization	Vertical
Maximum Power	10 watts

Mechanical:

Size (without mount).....	1.0 OD x 20.6 inches
Mounting method	Bracket and SS clamp, 2.0 inch. OD mast max.
Exposed Cable length	9 inches
Cable Type	50 ohm low-loss
Connector	type N female
Wind Survival (per EIA-222-E at 100' height)	220 mph
Ice, snow	Withstands ½" radial ice @ 150 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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