

# Telex® Technical Data

WLAN / WISP 60 degree Sector Antenna  
Order No. 2442AA

2.4 - 2.5 GHz

## General Description

This antenna was designed for WLAN & WISP applications in the frequency range of 2400 MHz to 2500 MHz. The antenna has an azimuth beamwidth of 60 degrees with a gain of 14.0 dBi. A Type-N coax connector is standard. This antenna's mounting bracket features a 0 to 20 degree down tilt adjustment. It is designed to mount to a round mast and is vertically-polarized.



## Specifications

### Electrical:

Frequency .....	2400 - 2500 MHz
VSWR.....	nominal 1.4:1, maximum 2.0:1
Nominal Impedance .....	50 ohms
Nominal Gain .....	14.0 dBi
Front-to-back ratio .....	24 dB
Half-power H-Plane Beamwidth.....	60 degrees
Half-power E-Plane Beamwidth .....	14 degrees
Polarization .....	Vertical
Maximum Power .....	50 Watts

### Mechanical:

Size (without mount).....	5 1/2" wide x 21 1/2" long x 5 1/4" deep
Mounting method.....	adjustable bracket (0 to -20 degrees) 1.0 - 2.0 inch OD
Connector .....	Type N jack
Wind Survival (per EIA-222-F at 100' height).....	125 mph
Ice, snow .....	0.5" ice @ 65 mph
Temperature range.....	-40 to +60 degrees C
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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