

# Telex® Technical Data

WLAN / WISP 120 degree Sector Antenna  
Order No. 2443AA

2.4 - 2.5 GHz

## General Description

This antenna was designed for WLAN and WISP applications for frequencies of 2400 MHz to 2500 MHz. The antenna has a beamwidth of 125 degrees with a gain of 12 dBi when measured at the standard type-N coax connector. This antenna's mounting bracket features a 0 to 20 degree down tilt adjustment. It is designed to mount to a round mast or a wall.



## Specifications

### Electrical:

Frequency .....	2400-2500 MHz
VSWR.....	nominal 1.6:1, maximum 2.0:1
Nominal Impedance .....	50 ohms
Nominal Gain .....	12 dBi
Half-power H-Plane Beamwidth.....	125 degrees
Half-power E-Plane Beamwidth .....	13 degrees
Front-to-Back Ratio .....	greater than 25 dB
Polarization .....	Vertical
Maximum Power .....	10 Watts

### Mechanical:

Size (without mount).....	5 1/2" wide x 21 1/8" long x 5 1/4" deep
Mounting method.....	adjustable bracket (0 to -20 degrees) with SS U-bolts, 1.0 - 2.0 inch OD
Connector .....	type N female
Wind Survival (per EIA-222-F at 100' height).....	125 mph
Wind Area .....	(0.81 sq. ft. - front, 0.90 sq. ft. - side)
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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