

Telex® Technical Data

WLAN / WISP 18 dBi Flat Panel Antenna

2.4 - 2.5 GHz

Order No. 2474KN-1 (MC-Card Plug)

2474KN-2 (U.FL Plug)

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 18 degrees with a gain of 18 dBi when measured at the standard MC-Card or U.FL coax connector.

This antenna's mounting bracket features a +10, 0, or -10 degree down tilt adjustment. It is designed to mount to a round mast.



SPECIFICATIONS

Electrical:

Frequency.....	2400-2500 MHz
VSWR	nominal 1.5:1, maximum 2.0:1
Nominal Impedance	50 ohms
Nominal Gain.....	18 dBi
Half-power E-Plane Beamwidth (Azimuth)	18 degrees
Half-power H-Plane Beamwidth (Elevation)	18 degrees
Front-to-Back Ratio	greater than 20 dB
Polarization	Vertical or Horizontal
Maximum Power	10 watts

Mechanical:

Size (without mount).....	14 3/8" wide x 15 5/8" long x 1 3/4" deep
Mounting method.....	adjustable bracket (+10, 0, or -10 degrees) with SS U-bolts, 2.0 inch O.D. max.
Connector	U.FL or MC-Card Plug
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)

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