

Telex® Technical Data

WLAN / WISP 14.5 dBi Panel Antenna

2.4 - 2.5 GHz

Order No. 2455AA

General Description

This antenna was designed for WLAN and WISP applications for frequencies of 2400 MHz to 2500 MHz. This panel antenna has an azimuth beamwidth of 30 degrees with a gain of 14.5 dBi. The 2455AA comes with a standard type-N coax connector. This antenna's mounting bracket features a 0 or 10 degree up or down tilt selection. It is designed to mount to a round mast or a DSS bracket.



Specifications

Electrical:

Frequency	2400-2500 MHz
VSWR.....	nominal 1.5:1, maximum 2.0:1
Nominal Impedance	50 ohms
Nominal Gain	14.5 dBi
Half-power E-Plane (Azimuth) Beamwidth.....	30 degrees
Half-power H-Plane (Elevation) Beamwidth	30 degrees
Front-to-Back Ratio	greater than 20 dB
Polarization	Vertical or Horizontal
Maximum Power	10 Watts

Mechanical:

Size (without mount).....	11.375" wide x 11.375" tall x 2.375" deep
Mounting method.....	adjustable bracket (0 or +/-10 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	0.9 sq. ft.
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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