

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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