



AT-0024-12

2.4-2.5GHz Outdoor 12dBi Omni Antenna

Applications:

- 2.4 - 2.5 GHz ISM Band
- IEEE 802.11b, 802.11g, 802.11n Wireless LAN
- Directional and multipoint applications
- Bluetooth
- Public Wireless Hotspot
- WiFi, RFID
- Wireless Video Systems

Features :

- Superior performance
- Light weight
- All weather operation
- DC Short lightning protection
- Installed for vertical
- Includes tilt and swivel mast mount



The AT-0024-12 is a 12 dBi omnidirectional wireless antenna for the 2.4GHz band. It is constructed of weather resistant materials with UV stable fiberglass radome. It may be used in WLAN or WISP applications, either indoors or outside. The characteristic of omni-directional with 360 degree horizontal coverage makes it as an ideal access point antenna for point to multipoint applications. The AT-0024-12 may be mounted for Vertical polarization, and comes with hardware for mast attachment. The antenna is equipped with female N-type connector for use with CA400-NN coax cable to connect outdoor AP.

The AT-0024-12 is also allowing your indoor AP's antenna to extend outside. The antenna may be mounted on a rooftop or outside wall. To connect with indoor AP's reversed-SMA connector, a RRG316-MNM cable is required.

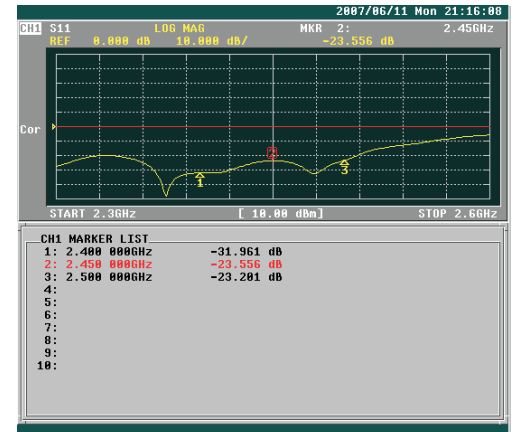
TraNet Technologies Corp

6F-3, No.20, Lane 609, Sec. 5, Chung Hsin Rd.,
San Chung City, Taipei Hsien 241, Taiwan

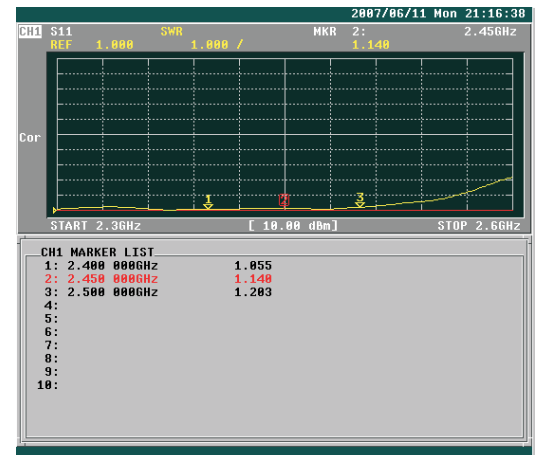
www.aristar.com.tw



Return Los & V.S.W.R



Return Los



V.S.W.R

Specification

Electrical Specifications

Frequency Range

- 2400 – 2500 MHz

V.S.W.R

- ≤ 1.3

Return Loss

- ≥ -20db

Antenna Type

- Collinear

Gain

- 12dBi

Polarization

- Vertical

Maximum Power

- 50W

Vertical Beam-with

- 8

Horizontal Beam-with

- 360

Impedance

- 50Ω

Connector

- N-Female

Mechanical Specifications

Length

- 1140mm

Diameter

- 68mm

Weight

- 700g

Wind Survival

- > 150 MPH

Radome Material

- White Fiberglass

Operating Temperature

- 40°C to +80°C

Clamps

- U-bolt

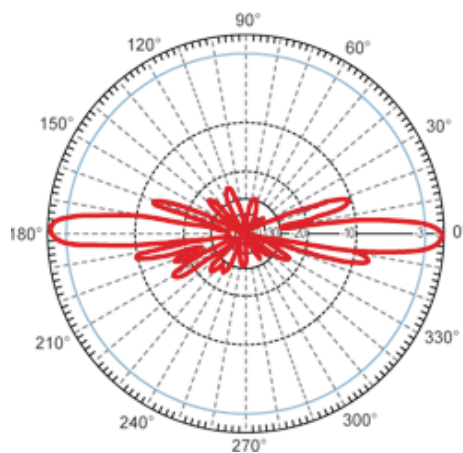
Mounting

- 32 – 45mm

RoHS Compliant

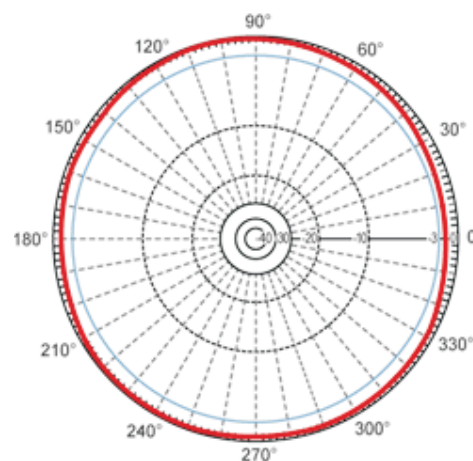
- Yes

Antenna Vertical & Horizontal Pattern



Vertical

E-plane co-pol ----- 3-dB beam-with=8°



Horizontal

H-plane co-pol ----- 3-dB beam-with=360°

TraNet Technologies Corp

6F-3, No.20, Lane 609, Sec. 5, Chung Hsin Rd.,
San Chung City, Taipei Hsien 241, Taiwan

www.aristar.com.tw