

WiMAX 3500-3700 MHz Fiberglass Omni Antenna

Part No:AC-Q36F09

1. Introduction

This fiberglass Omni antenna is ideal for 3.8G WiMax . Worldwide Interoperability for Microwave Access, also known as IEEE 802.16, that is intended for wireless "metropolitan area networks".

WiMAX can provide broadband wireless access (BWA) up to 30 miles (50 km) for fixed stations 802.16d, and 3 - 10 miles (5 - 15 km) for mobile stations 802.16e.

It is good work in long range BWA applications for various applications including SCADA/M2M, Video Surveillance Backhaul, Data Network Backhaul & Network Bridging Solutions.

The 802.16d fixed WiMAX standard has proven to be a stable and reliable wireless alternative for both private and public networks to traditional transport technologies such as DSL,Cable,or T-1 lines.

This Full Band Fiberglass antenna is an omni-directional antenna that gathers signals from all sides and does not need to be pointed toward a cellular tower. Parts includes mounting equipment for either a flat horizontal surface or a wall.It shall be mounted in an upright position for best results.



2. Specification

Electrical

| | |
|-------------------------------|----------------|
| Frequency Range | 3500-3700MHz |
| Gain | 9dBi |
| V.S.W.R | ≤1.5 |
| Radiation | Omni-Direction |
| Horizontal Beam width | 360° |
| Vertical Beam width | 13° |
| Polarization | Vertical |
| Lightning Protection | DC Grounded |
| Maximum Input Power | 100W |
| Impedance | 50Ω |
| Connector | N Female |
| Antenna Radome Material | Fiberglass |
| Mounting way | Pole Mount |
| Diameter of Installation Pole | Ø30~Ø50mm |

Mechanical

| | |
|-----------------------|---------------|
| Dimensions | Φ20x550mm |
| Weight | 350g |
| Operating Temperature | -40°C to+70°C |
| Rated Wind Velocity | 60m/s |
| RoHS Compliant | YES |