



## **TY-7315**

# **Vertical Omnidirectional Fiberglass Antenna Technical Specification V3.01**

### ***Chengdu Tengyue Electronics Co., LTD.***

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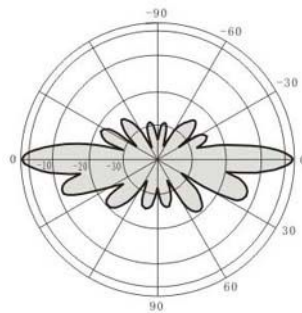
## Overview



## Features

- Frequency Range:2.1~2.3GHz,2.3~2.5GHz,2.5~2.7GHz,2.7~2.9GHz
- Special customized frequency by operator's detail requirements.
- Optional gain customized by operator's detail requirements.
- High Gain and long range coverage.
- Strong Wind Velocity ability.

## Typical Vertical Polarization Radiation Diagram



垂直面方向图  
Vertical Plane

## Technical Specifications

|                     |                       |
|---------------------|-----------------------|
| Model               | TY-7315               |
| Frequency Range     | 2.0-2.9GHz            |
| Bandwidth           | 200(MHz)              |
| Input Impedance     | 50( $\Omega$ )        |
| VSWR                | <1.5                  |
| Gain                | 11dBi                 |
| (3dB) HPBW          | 7°E-plane             |
| F/B Ratio           | >12(dB)               |
| Maximum Power       | 100(W)                |
| Connector Type      | N-K                   |
| Polarization        | Vertical Polarization |
| Lighting Protection | Direct Ground         |
| Working temperature | -40℃—+60℃             |
| Wind Velocity       | 200(km/h)             |
| Length              | 1250(mm)              |
| Weight              | 0.5(Kg)               |
| Hold pole diameter  | Φ40-Φ50(mm)           |

## TYE Series Transmitters

| Item | Product name                         | Frequency Range | Output Power | System                                                                                 |
|------|--------------------------------------|-----------------|--------------|----------------------------------------------------------------------------------------|
| 1    | VHF Analog TV Transmitter            | 170MHz-230MHz   | 20W-2KW      | PAL/NTSC/SECAM                                                                         |
| 2    | VHF Digital TV Transmitter           | 170MHz-230MHz   | 5W-300W      | DVB-T/T2/S/S2/C,QAM                                                                    |
| 3    | VHF Live/Mobile Transmitter          | 300MHz-350MHz   | 5W-30W       | Point to point transmission                                                            |
| 4    | UHF Analog TV Transmitter            | 470Mhz-860MHz   | 20W-2KW      | PAL/NTSC/SECAM                                                                         |
| 5    | UHF Digital TV Transmitter           | 470Mhz-860MHz   | 10W-1KW      | DVB-T/T2/S/S2/C,QAM                                                                    |
| 6    | L Band TV Transmitter                | 1.3GHz-1.5GHz   | 20W-50W      | DVB-T/T2/S/S2/C,QAM<br>Point to point transmission                                     |
| 7    | S Band (MMDS) Digital TV Transmitter | 2.0GHz-2.9GHz   | 10W-500W     | DVB-T/T2/S/S2/C,QAM,<br>Point to point transmission ,<br>PAL/NTSC/SECAM(Analog signal) |

|   |                                    |                 |           |                                                    |
|---|------------------------------------|-----------------|-----------|----------------------------------------------------|
| 8 | 8GHz TV Transmission<br>Module Set | 7.8GHz-8.3GHz   | 500mW-2W  | DVB-S/S2(8PSK/QPSK)<br>Point to point transmission |
| 9 | Ku Band (MVDS) TV<br>Transmitter   | 10.7GHz-12.0GHz | 200mW-24W | DVB-S/S2(8PSK/QPSK)<br>Point to point transmission |