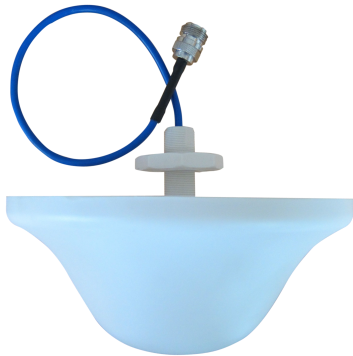




## TQJ-450XDO

# Indoor Omni Ceiling Mount Antenna Technical Sheet



Notes: the picture is for reference only, please kindly consult with the real product.

### Applications

- 400-490MHz band
- Wireless trunking communications
- Indoor signal coverage

### Features

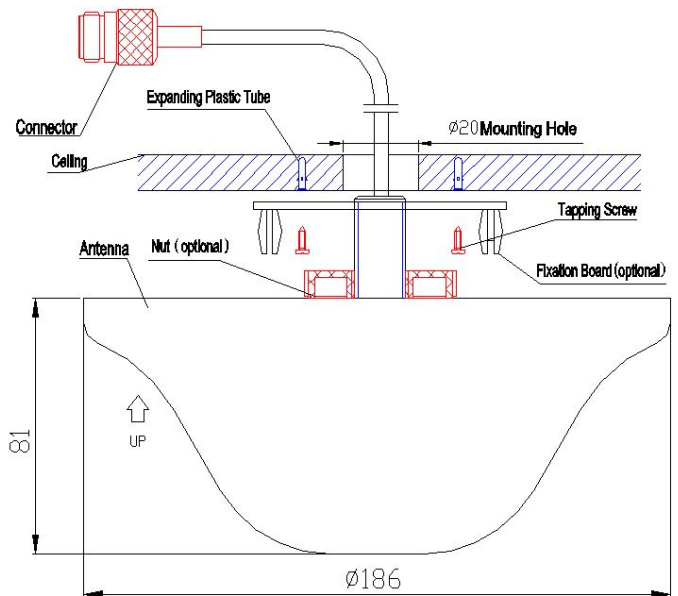
- Broadband, Low VSWR
- Small size, Low profile, Good appearance

### Specifications

Model	TQJ-450XDO
Freq.Range-MHz	400~490
Bandwidth-MHz	20
Gain-dBi	2.15
VSWR	≤1.8
Impedance-Ω	50
Polarization	Vertical
Max.Power-W	50
Connector	N female or customized
Dimensions-mm	φ186×81
Weight-g	200
Mounting	Nut or Fixation Board

Notes: 1. Testing the antenna with a ceiling mount support.  
2. When testing VSWR, the cable length should be 1m±0.01m, and you should separate from the antenna above 0.7-1m.  
3. The distance between the antenna and the testing equipment should be ≥0.7m at least.

### Installation Sketch



1. Drill a round hole  $\Phi 20\text{mm} \sim \Phi 30\text{mm}$  on the ceiling.
2. Match the antenna to the round hole.
3. Fix the antenna onto the ceiling with the screws.

Attention!

The hole on the ceiling must be slightly bigger than the antenna connector flange, and the antenna base plate should be in close contact with the ceiling, which influences the performance of the antenna.