



# 45° Polarized Wideband Omnidirectional Antenna

## T-522S



### Description

Polarized antennas are suitable for meeting rooms, lecture halls and other places. Support ceiling, wall and vertical installation.

### Feature

- \* Adopt 45° polarized wideband omnidirectional antenna for professional UHF band wireless true diversity receiver.
- \* The beam of the main unit of the antenna is focused in front of the antenna, which can provide uniform radiation pattern vertically or horizontally, and also has the effect of improving signal strength behind it.
- \* The antenna's bandwidth covers the 550MHz~850MHz frequency range of wireless microphone regulations, and has a gain of 8dBi with high directivity.

\* The professional wireless transmission project can be used in the most complicated performance or meeting. There is almost no obvious fading signal, it enables a longer transmission distance, anti-interference capability and the most stable signal reception.

\* The antenna output cable is connected in series with the antenna amplifier and directly connected to the receiver (recommended coaxial cable < 25 meters); the amplifier has a gain of 10dB±1dB, which is specially designed for long-distance reception by the receiver to compensate the signal loss caused by the connection of the coaxial cable to the receiver for longer receiving distance and the best signal quality.

### Specification

Model	T-522S
Frequency range	550MHz~850MHz
Polarization	45°
Gain	8dBi
Half power beamwidth	H:76°±5° · V:76°±5°
Front-to-back ratio	≥23dB
Input impedance	50Ω
VSWR	≤2.0
Cross-polar ratio	≥15dB@0° · ≥10dB@+/-60°
First upper side lobe suppression	15dB
MAX power	50W
Lightning protection	DC ground
Connector type	BNC
Cable length	0.3 meters
Antenna dimension	284×284×80mm
Antenna weight	1.24Kg
Radome material	ABS
Radome color	White
Operating temperature	-40°c~60°c
Rated Wind Velocit	60m/s
Pole diameter	φ 35~ φ 50mm