

Adjustable Downtilt Base Station Antenna

This is an adjustable electrical downtilt base station antenna. It operates in the 1710-2170MHz frequency range with a gain of 21dBi.



Overview

High-Performance Base Station Antenna

This Adjustable Downtilt Base Station Antenna is designed for high-gain telecommunications across the 1710-2170MHz frequency range. It features a robust FRP radome for outdoor durability and offers flexible adjustment options, including manual or remote control unit (RCU) tilt. With a high gain of 21dBi and superior side lobe suppression, it ensures reliable signal coverage and minimal interference for professional network deployments.

Key Performance Metrics

Performance Highlights

21 dBi

Peak Gain

250 W

Max CW Power

1.4

Max VSWR

Electrical Specifications

Polarization

±45°

Frequency Range	1710-2170 MHz
Beam Width (H/V)	33° Horizontal / 7° Vertical
Electrical Downtilt	0-8°
Isolation Between Ports	e3dB
Front to Back Ratio	e2dB
Adjustment Method	Manual, RCU Optional

Mechanical Specifications

Input Connector	2x7/16 DIN female (Bottom)
Antenna Dimensions	1320 x 327 x 117 mm
Antenna Weight	14 Kg
Radome Material	FRP
Mounting Pole Diameter	f50-f114 mm
Max Wind Speed	60 m/s

Environmental Specifications

Working Temperature	-40 to +70
Working Humidity	d95%