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	250 W	1.4
Peak Gain	Max CW Power	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	e30dB
Front to Back Ratio	e28dB
Adjustment Method	Manual, RCU Optional

Mechanical Specifications

Input Connector	2×7/16 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%

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