

Model No: ANT-90-MMDS-16dBi (2100-2700 MHz)

Wideband Base Station 90° Sector Antenna

Feature

- **Wide Frequency Band covering 2100 – 2700 MHz**
- **Maximized 16 dBi gain for Base Station systems**
- **Half power beamwidth of 90°x7.5°**
- **Cross Polarization Discrimination of 25 dB**
- **Front to back ratio rejection of 25 dB**
- **Vertical polarization**
- **N-Type-F connector**
- **Power handling of 200W**
- **Easy installation save money and time**
- **Optional mounting brackets**



Overview

The Trackcom Systems International Inc. broadband 2.1-2.7 GHz Flat Panel High Gain Antenna is a 90° sector antenna for use in base station systems. This antenna saves initial capital expenditure as the single unit covers the MDS, WCS and MMDS bands. The antenna is vertically polarized. The excellent radiation characteristics are the distinguishing features of this well priced antenna.

Overall Specification

Parameter	Description
Frequency	2100 – 2700 MHz
Gain	> 16dBi (+/-1 dB)
Return Loss	2.1-2.7 GHz : 10dB min. (VSWR=1.9:1)
Power Rating	200W
Elevation Beam width (HPBW)	7.0° to 8°
Azimuth Beam width (HPBW)	90°
Polarization	Vertical
Cross Polarization Discrimination (Both Plane)	>25dB over HPBW
Front to Back Ratio	>25dB
Impedance	50Ω nominal
Connector	N-Type-F
Pole mount brackets	Galvanized steel - Optional
Pole mount size	5-11 cm
Mechanical tilt	0-25° using the TSI optional mounting brackets
Dimensions (LxDxW) cm	110. 0 X 23. 0 X 13 cm
Weight	9kg

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