

Model "PA31-RYFD"

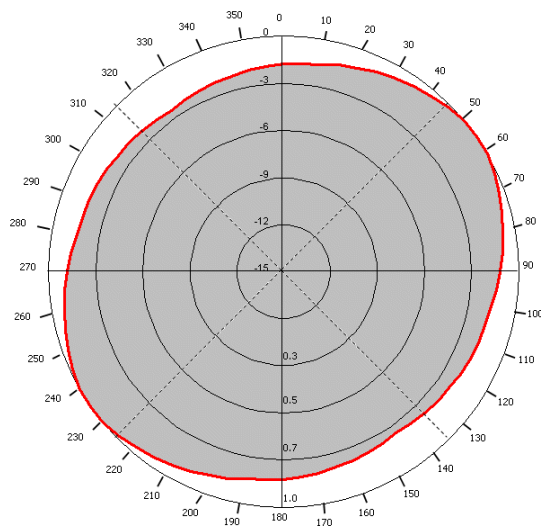


Double dipole omni directional turnstile antenna composed of aluminum, complete with a hot dipped galvanized steel mount. The antenna is frequency tuned on channel for minimum VSWR and maximum efficiency in the 174 – 216 MHz spectrum.

The rugged mechanical design and internal feed conductors allow this antenna to operate reliably under extreme icing conditions. Each bay is rated at 500 watts of input power and multiple bays can be stacked horizontally to satisfy required gain.

174-230 MHz

High VHF Band III



Electrical Specifications

Frequency: 174-216 MHz,
tuned per channel

Gain : -3.0 dBd single bay
0.0 dBd two bay
3.0 dBd four bay

Horizontal Pattern: Omni-directional

Impedance: 50 ohms

VSWR: <1.20:1

Polarization: Horizontal

Max. Input Power: 500W per bay

Input Connector: N female

Mechanical Specifications (single bay)

Weight: 8 lbs including galvanized
mounts

Mounting: Hot dipped galvanized steel,
customized to tower spec or
standard pipe OD

Radiating Elements: 6061 Structural Aluminum
folded dipole

Wind load: Equivalent flat plate area of
1.0 square foot

Grounding: Antenna and radiating
elements are fully DC
grounded via the mounting
hardware for lightning
protection.