



Az-El pipe mount

## 5.1 GHz Telemetry Parabolic Antennas

Frequency 5090-5150 MHz



Vertex mounted feed

**Features:**

- Circular Polarization
- Sturdy aluminum construction reflector and pipe mount.
- All corrosion resistant materials, galvanized and stainless steel hardware
- Fine azimuth and elevation adjustment
- Type N or SMA Female Connector, 50 Ohm impedance
- Mounts to 1.9-4.5” OD pipe (48-114mm)
- Optional radome available



Antenna with optional radome undergoing pattern testing on mWAVE’s outdoor test range

Model	Polarization	Diameter		Nominal Gain (dBic)	Nominal HPBW (Degrees)	On-Axis Axial Ratio (dB)	VSWR	Front to Back Ratio (dB)
		Ft.	m					
RPCR2-51-N	RHCP	2	0.6	27.4	6.7	1.0	1.5:1	33
RPCL2-51-N	LHCP	2	0.6	27.4	6.7	1.0	1.5:1	33
RPCR3-51-N	RHCP	3	0.9	30.8	4.5	1.0	1.5:1	36
RPCL3-51-N	LHCP	3	0.9	30.8	4.5	1.0	1.5:1	36
RPCR4-51-N	RHCP	4	1.2	33.3	3.4	1.0	1.5:1	39
RPCL4-51-N	LHCP	4	1.2	33.3	3.4	1.0	1.5:1	39
RPCD2-51-N	Dual Circular	2	0.6	27.1	6.8	1.0	1.5:1	33
RPCD3-51-N	Dual Circular	3	0.9	30.6	4.5	1.0	1.5:1	36
RPCD4-51-N	Dual Circular	4	1.2	33.1	3.4	1.0	1.5:1	39

- NOTES:**
- 1) Alternate frequency bands of operation are available within **4400-5150 MHz** & **5000-5400 MHz**.
  - 2) **Single and Dual Linear polarizations are also available.**

These antennas incorporate mWAVE’s proprietary vertex mounted feed design delivering reduced blockage and a convenient RF access point. The models listed above are furnished with a standard with Az/El pipe mount. Feeds and reflectors are painted grey. Alternate mounting options and custom colors are available upon request. Bulk packing is available for quantity orders. Above models incorporate mWAVE’s standard COTS reflectors. mWAVE also offers single and multi-piece reflectors in larger diameters for high gain applications.