

AT-R-4.4-5-N



4.4-5 GHz dual polarized dish antenna fitted with a N-type connector

Key Specifications

Operating frequency band	4.4-5 GHz
Connector	N-type
VSWR	< 2:1
Polarization	Vertical & horizontal
Weight	5.2 kg
Dimensions	Ø 0.77 m
Beamwidth	5°@± 3dB

AntennaTec's dish antenna range provides high-gain directional performance for microwave communication, tracking, telemetry, radar-related testing, and long-range point-to-point RF links. The range includes dish and reflector-based antenna solutions covering selected frequency bands from L-band through K-band, with gain options extending from medium-gain link antennas to high-gain narrow-beam configurations. With vertical or horizontal polarisation options, model-dependent aperture sizes, and power-handling capability, these antennas are suitable for fixed-site communication platforms, monitoring systems, microwave links, sensing applications, RF measurement setups, and systems requiring focused beam coverage with stable long-range performance.

List of dish antennas

Product No	Catalogue No	Frequency (GHz)	Power (W)	Gain (dBi)	Dimensions	Polarization
AT-R-4.4-5-N	AT-R-4.4-5-N-v1.0-0626	4.4-5	20W	27 dBi	Ø0.77m	Vertical or Horizontal
AT-R-2-18-S	AT-R-4.4-5-N-v1.0-0626	2-18	20W	24.5 to 38 dBi	Ø1230 mm	Vertical or Horizontal
AT-R-1.35-2.69-S	AT-R-4.4-5-N-v1.0-0626	1.35-2.69	50W	25 dBi	Ø1300mm x 270mm	Vertical or Horizontal
AT-R-8-12-S	AT-R-4.4-5-N-v1.0-0626	8-12	40W	37.2 to 40.9 dBi	Ø1230 mm	Vertical or Horizontal
AT-R-6-18-S	AT-R-4.4-5-N-v1.0-0626	6-18	200W	27 to 33.7 dBi	Ø640mm	Vertical or Horizontal
AT-R-8-18-S	AT-R-4.4-5-N-v1.0-0626	8-18	1.5kW Peak	30.5 to 36.9 dBi	Ø630mm	Vertical or Horizontal
AT-R-1-2-S	AT-R-4.4-5-N-v1.0-0626	1-2	250W	22.5 to 28.7 dBi	Ø1860 mm	Vertical or Horizontal
AT-R-7.5-18-S	AT-R-4.4-5-N-v1.0-0626	7.5-18	200W	27.5 to 33 dBi	Ø483 mm	Vertical or Horizontal
AT-R-18-26-F	AT-R-4.4-5-N-v1.0-0626	18-26	600W	37.5 to 39.5 dBi	Ø125 mm pitch circle	Vertical or Horizontal

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