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Cambium Dual Polarised 5 GHz SP Parabolic Antenna, 0.9 metre

MPN
RDH4504B

Description

Cambium's RDH4504B is a high gain dual-polarised parabolic dish antenna manufactured by RadioWaves. The 0.9 metre (3 ft) diameter antenna provides a

nominal peak gain of 32 dBi from 5250 to 5850 MHz, and capable of operation across the full 5 GHz band from 4900 to 6000 MHz with only a minor degradation in performance.

0.9 metre diameter antennas provide a tight beamwidth for use in long distance 5 GHz wireless links and can be used to provide high throughput data connections beyond 30 kilometres.

The SP Standard Performance Series by RadioWaves offers a full line of cost effective standard performance parabolic antennas engineered to deliver reliable radio links.

Designed for both unlicensed and licensed band applications, RadioWaves field-proven pre-assembled SP antennas and robust pole-mounts ensure “set and forget” installation with minimal post-installation maintenance.

Read More

RDH4509B has been selected by Cambium for pairing with its PTP 450i, 550, and 670 series 5 GHz point-to-point radios due to its known and reliable performance. To ensure PTP radios can be accurately diagnosed and supported, deviation from manufacturer specified antennas is not recommended.

RadioWaves provide a seven year manufacturer warranty.



Cambium™ Networks

Cambium Networks

Cambium Networks enables service providers; enterprises; governmental and military agencies; oil, gas and utility companies; Internet service providers; and public safety organizations to build powerful communications networks, reach users from 200 kilometers across mountain tops down to their devices, and intelligently manage their business Wi-Fi infrastructure through end-to-end network ...

RF Specification

Start Frequency
5250 MHz
Stop Frequency
5850 MHz
Polarisation
Dual Pol (V, H)
Input Impedance
50 Ω
RF Connectors

Ports	RF Interface	Body Shape
2	N Female	Straight

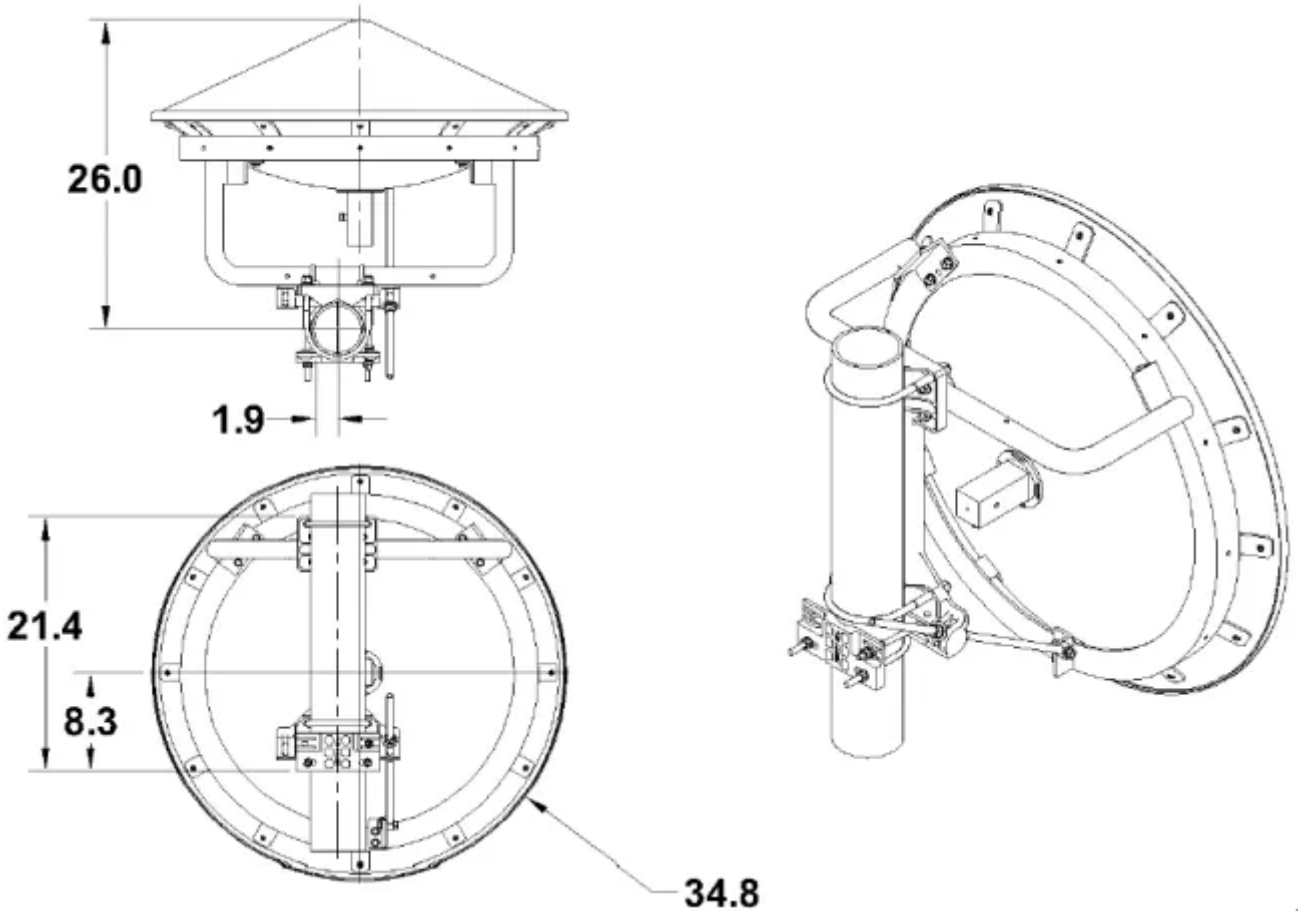
Frequency Test Data

Start Freq.	Stop Freq.	Peak Gain	Return Loss	VSWR	Azimuth	Elevation	F/B Ratio	XPD
5250 MHz	5450 MHz	32 dBi	> 14 dB	< 1.5:1	4.2°	4.2°	> 40 dB	> 30 dB
5450 MHz	5650 MHz	32.5 dBi	> 14 dB	< 1.5:1	4.2°	4.2°	> 40 dB	> 30 dB
5650 MHz	5850 MHz	33 dBi	> 14 dB	< 1.5:1	4.2°	4.2°	> 40 dB	> 30 dB

Physical Specification

Subtype
Dish / Grid
Input Ports
2
MIMO
2x2 MIMO
Min. Operating Temperature
-40 °C
Max. Operating Temperature
60 °C
Dimensions
1400 x 1010 x 430
Materials

Aluminium
Mounting
Pole Clamp 114 mm ⌀
Weight
15.8 kg
Compliance/Certifications
ISO 9001 Quality Management
,
RoHS
Drawing



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