

# Cambium Networks RDH4503C 2-FT (0.6M), Dual-Pol Dish Antenna, N Female, 4.9 to 6 GHz

SKU: WIF-CB-00117

MPN: RDH4503C

## Description

Cambium's RDH4503C is a dual-polarised Standard Performance (SP) parabolic dish antenna manufactured by RadioWaves. The 0.6 metre (2 ft) antenna provides a nominal peak gain of 29 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.

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](#)

RDH4503C 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.



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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	Polarisation:	Dual Pol (V, H)
Stop Frequency:	5850 MHz	Input Impedance:	50

## RF Connectors

### RF Interface

N Female  
N Female

### Body Shape

Straight  
Straight

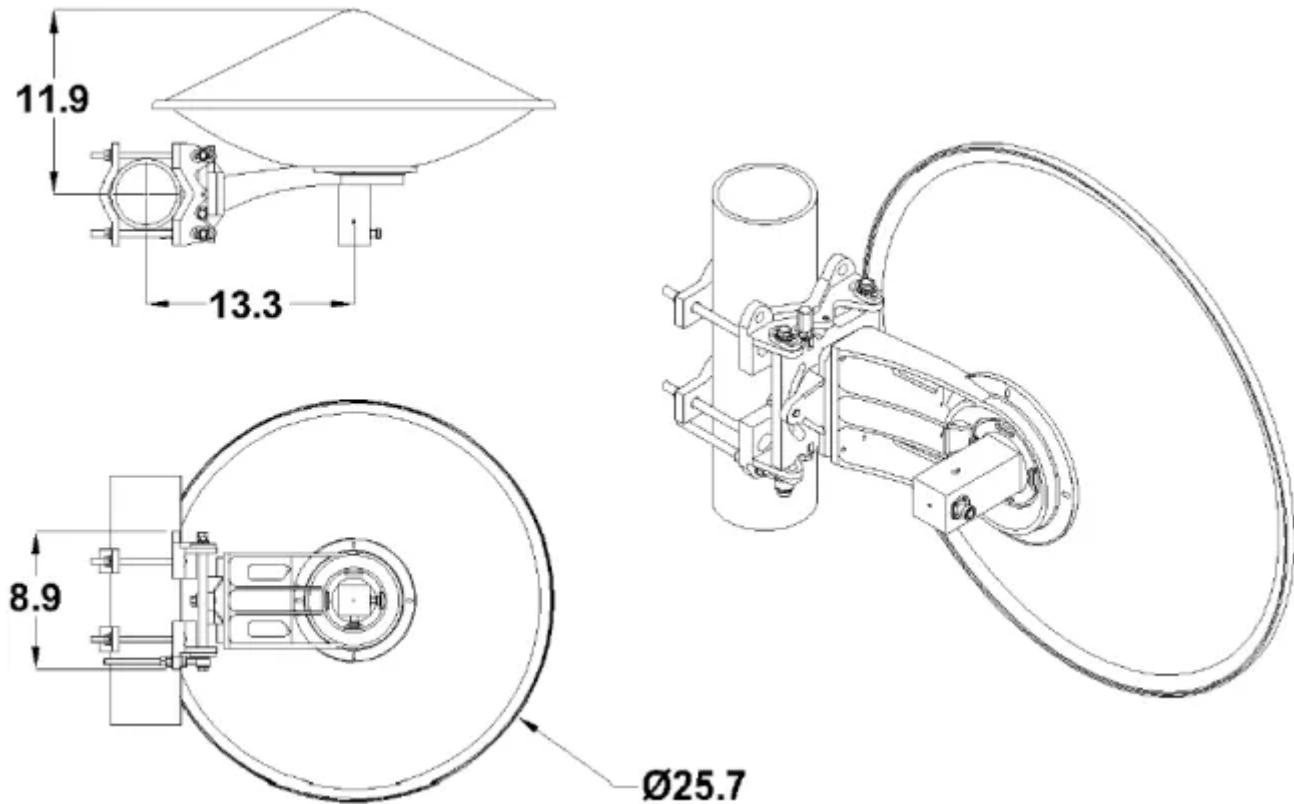
## Frequency Test Data

Start Freq.	Stop Freq.	Peak Gain	Return Loss	Azimuth	Elevation	F/B Ratio	XPD
5250 MHz	5450 MHz	28.5 dBi	> 14 dB	6.2°	6.2°	> 38 dB	> 30 dB
5450 MHz	5650 MHz	29 dBi	> 14 dB	6.2°	6.2°	> 38 dB	> 30 dB
5650 MHz	5850 MHz	29.5 dBi	> 14 dB	6.2°	6.2°	> 38 dB	> 30 dB

# Physical Specification

Subtype:	Dish / Grid	Dimensions:	200 x 710 x 710
Input Ports:	2	Materials:	Aluminium
MIMO:	2x2 MIMO	Mounting:	Pole Clamp 114 mm
Min. Operating Temperature:	-40 °C	Weight:	11.3 kg
Max. Operating Temperature:	60 °C		

## Drawing



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