

# PMP Access Network Solutions

## Extend Reach to Remote Modules

### Cassegrain Lens for Improved Performance (CLIP)

Network operators need to get the best performance out of the Access Point (AP) network infrastructure. The new Cassegrain Lens for Improved Performance (CLIP) is a passive module that enhances the range of Cambium Networks PMP radios. This extends the range to Remote Modules and extends the coverage area of AP tower locations.

Similar to its predecessor, the LENS, the CLIP is lighter weight, provides more antenna gain, and simply “CLIPs” onto the top of the Canopy Remote Module (RM), passively enhancing total antenna gain.

**Part Number: C050000D001A**

#### Specification Table

Specifications	C050000D001A
Frequency Range	5.4-6.0 GHz
Antenna Type	Passive Enhancement
Gain	See Performance Table
3dB Beamwidth-Azimuth	18°
3dB Beamwidth-Elevation	18°
Mechanical Size (mm)	See Drawing
Antenna Weight	0.5 lb (.22 kg)
Antenna Weight (shipping)	1 lb (.4 kg)
Wind Survival	189 km/h (118 mph)
Wind Loading (@189 km/h)	176 N (40 lbf)

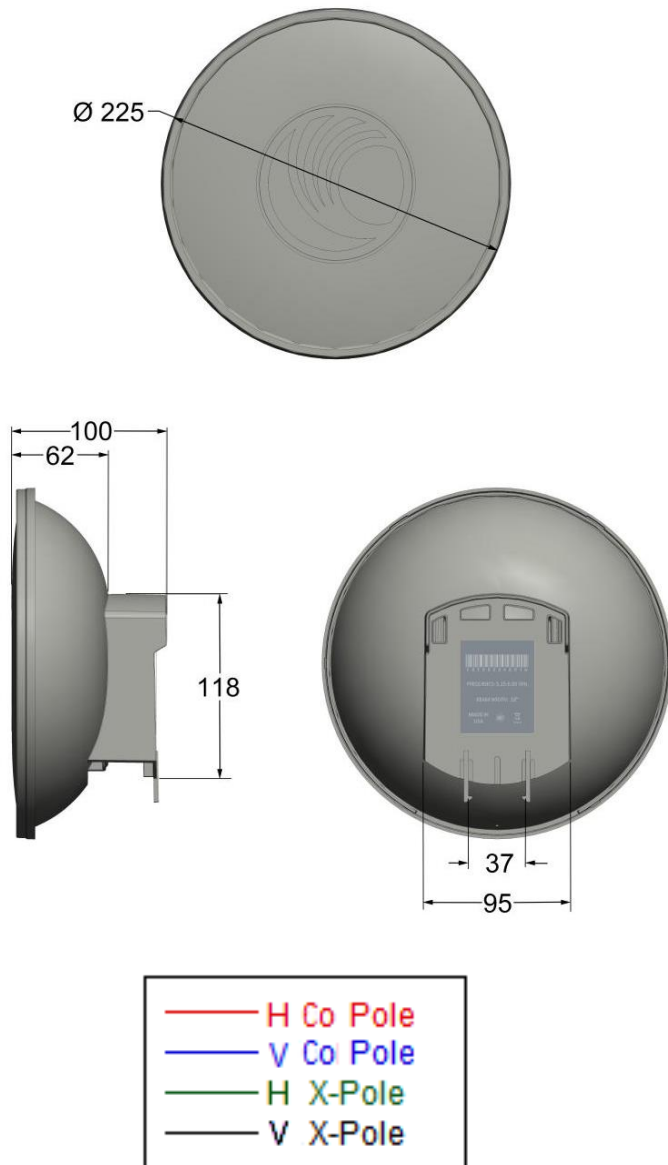
#### Performance Table

Product	Internal Patch (dBi)	CLIP (dBi)	Total Gain (dBi)
5.4 GHz PMP 100	7	9	16
5.8 GHz PMP 100	7	9	16
5.4 GHz PMP 430	9	8	17
5.8 GHz PMP 430	10	8	18
PMP 450 (@5.4 GHz)	9	8	17
PMP 450 (@5.8 GHz)	9	9	18

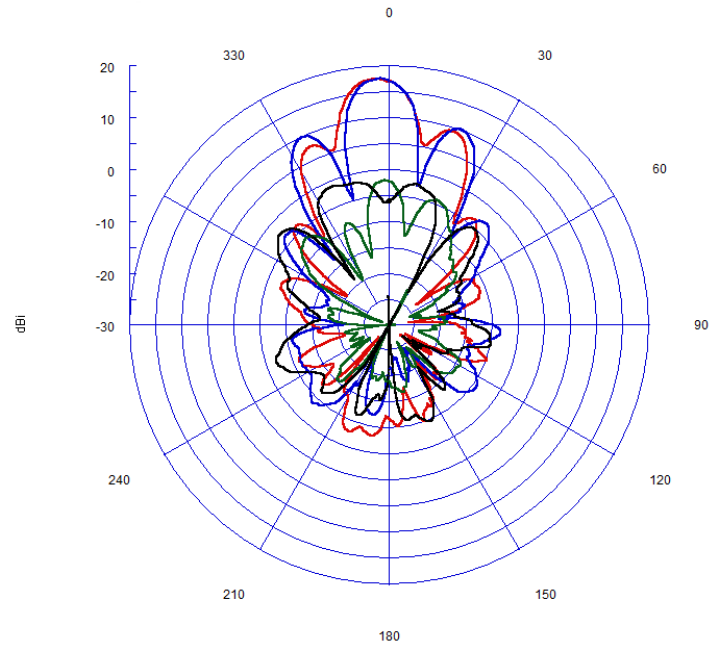


For more information visit [www.cambiumnetworks.com](http://www.cambiumnetworks.com)

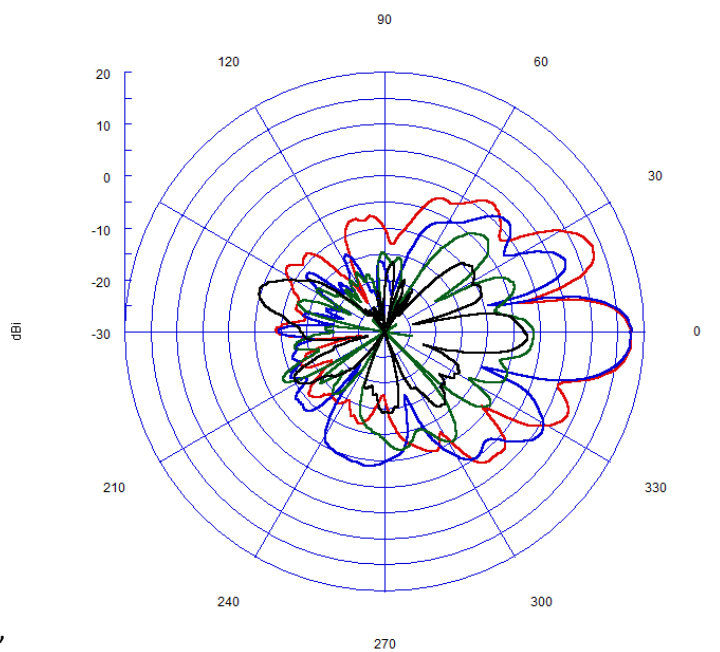
All Dimensions in mm:



**Azimuth**



**Elevation**



Note: Differences between polarizations are negligible, Vertical polarity patterns are shown.