

# Sub-6 GHz Antenna Guide

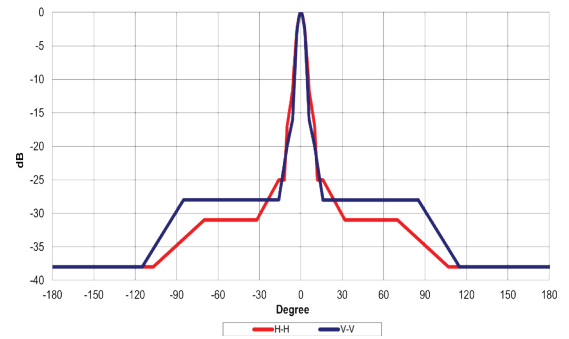
## Parabolic and Sector Antenna Selection Guide

### PTP Parabolic



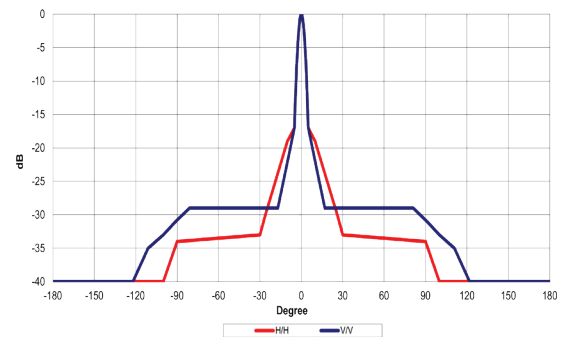
#### N050067D017A

5.25-5.85 GHz, 2 ft (0.6m), Single-Pol  
 Dish Size: 0.6 m (2 ft)  
 Frequency: 5.25–5.85 GHz  
 Gain: 29.5 dBi  
 Polarity: Single  
 Connector: N-Type Female  
 Mounting Brackets: Included



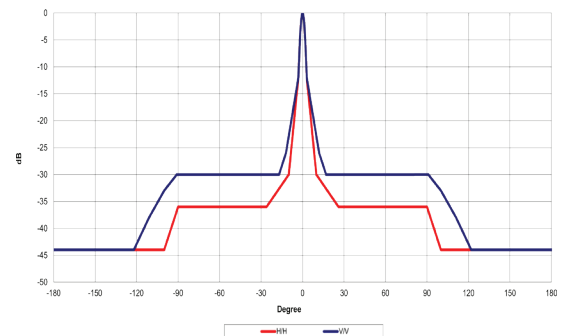
#### RDH4513B

5.25-5.85 GHz, 3 ft (0.9m), Single-Pol  
 Dish Size: 0.9 m (3 ft)  
 Frequency: 5.25–5.85 GHz  
 Gain: 33 dBi  
 Polarity: Single  
 Connector: N-Type Female  
 Mounting Brackets: Included



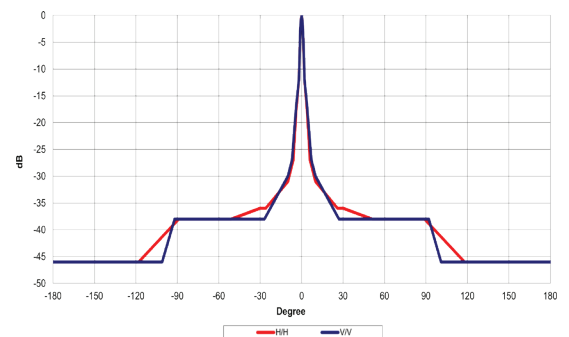
#### N050067D018A

5.25-5.85 GHz, 4 ft (1.2m), Single-Pol  
 Dish Size: 1.2 m (4 ft)  
 Frequency: 5.25–5.85 GHz  
 Gain: 35.4 dBi  
 Polarity: Single  
 Connector: N-Type Female  
 Mounting Brackets: Included



#### N050067D019A

5.25-5.85 GHz, 6 ft (1.8m), Single-Pol  
 Dish Size: 1.8 m (6 ft)  
 Frequency: 5.25–5.85 GHz  
 Gain: 38.4 dBi  
 Polarity: Single  
 Connector: N-Type Female  
 Mounting Brackets: Included



## Parabolic and Sector Antenna Selection Guide

### PTP Parabolic



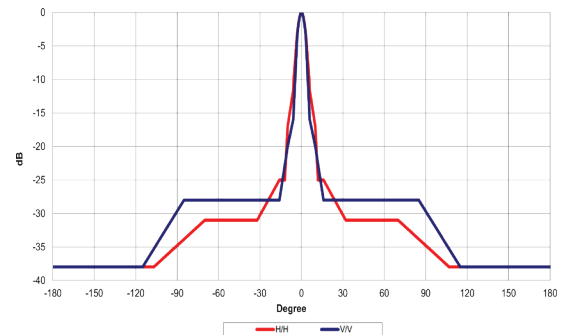
#### RDH4503C

Standard Performance 4.9-6 GHz,  
2 ft (0.6m), Dual-Pol antenna with  
2 x N-type Connector

Dish Size: 0.6 m (2 ft)  
Frequency: 4.9-6 GHz  
Gain: 29.8 dBi

Polarity: Dual

Connector: 2 x N-type Connector  
Mounting Brackets: Included



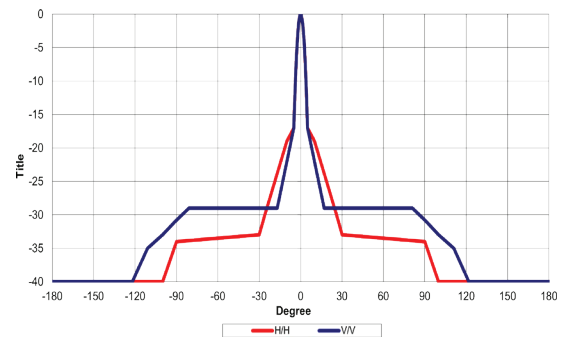
#### RDH4504C

Standard Performance 4.9-6 GHz,  
3 ft (0.9m), Dual-Pol antenna with  
2 x N-type Connector

Dish Size: 0.9 m (3ft)  
Frequency: 4.9-6 GHz  
Gain: 33 dBi

Polarity: Dual

Connector: 2 x N-type Connector  
Mounting Brackets: Included



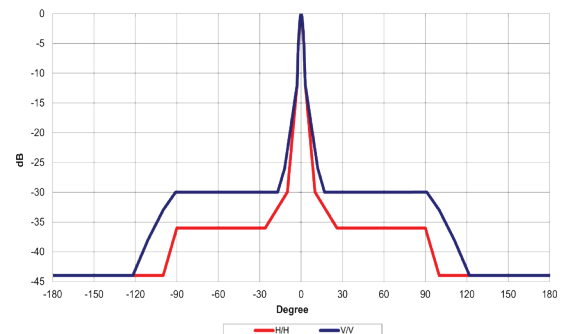
#### RDH4505C

Standard Performance 4.9-6 GHz,  
4 ft (1.2m), Dual-Pol antenna with  
2 x N-type Connector

Dish Size: 1.2 m (4ft)  
Frequency: 4.9-6 GHz  
Gain: 35.4 dBi

Polarity: Dual

Connector: 2 x N-type Connector  
Mounting Brackets: Included



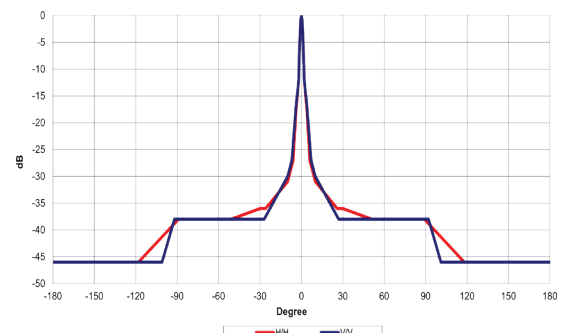
#### RDH4506C

Standard Performance 4.9-6 GHz,  
6 ft (1.8m), Dual-Pol antenna with  
2 x N-type Connector

Dish Size: 1.8 m (6 ft)  
Frequency: 4.9-6 GHz  
Gain: 38.4 dBi

Polarity: Dual

Connector: 2 x N-type Connector  
Mounting Brackets: Included



## Parabolic and Sector Antenna Selection Guide

### PTP Parabolic



#### RDH4508C

High Performance 4.9-6 GHz,  
2 ft (0.6m), Dual-Pol antenna with  
2 x N-type Connector

Dish Size: 0.6 m (2 ft)

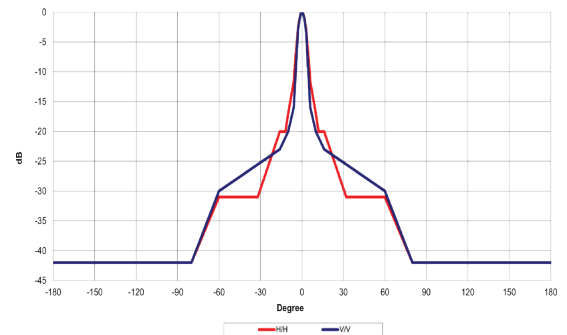
Frequency: 4.9-6 GHz

Gain: 29.3 dBi

Polarity: Dual

Connector: 2 x N-type Connector

Mounting Brackets: Included



#### RDH4509C

High Performance 4.9-6 GHz,  
3 ft (0.9m), Dual-Pol antenna with  
2 x N-type Connector

Dish Size: 0.9 m (3ft)

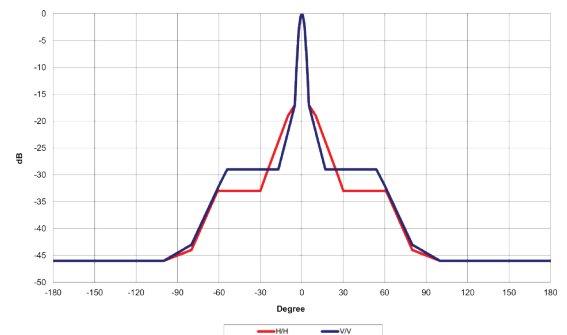
Frequency: 4.9-6 GHz

Gain: 32.8 dBi

Polarity: Dual

Connector: 2 x N-type Connector

Mounting Brackets: Included



#### RDH4510C

High Performance 4.9-6 GHz,  
4 ft (1.2m), Dual-Pol antenna with  
2 x N-type Connector

Dish Size: 1.2 m (4 ft)

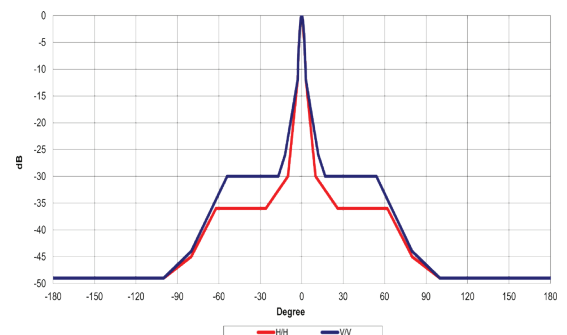
Frequency: 4.9-6 GHz

Gain: 34.7 dBi

Polarity: Dual

Connector: 2 x N-type Connector

Mounting Brackets: Included



#### RDH4511C

High Performance 4.9-6 GHz,  
6 ft (1.8m), Dual-Pol antenna with  
2 x N-type Connector

Dish Size: 1.8 m (6 ft)

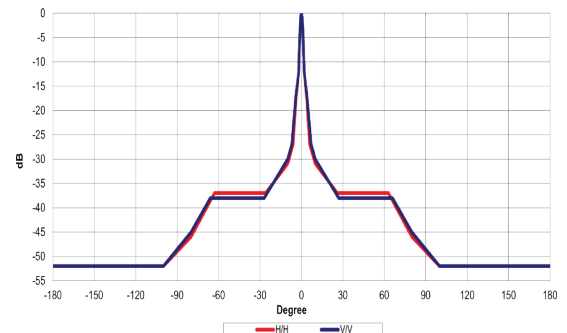
Frequency: 4.9-6 GHz

Gain: 38.2 dBi

Polarity: Dual

Connector: 2 x N-type Connector

Mounting Brackets: Included



## Parabolic and Sector Antenna Selection Guide

### PTP Parabolic

	<b>N050067D017A</b>	<b>RDH4503C</b>	<b>RDH4508C</b>
Antenna Type	Parabolic	Parabolic	Parabolic
Dish size	0.6 m (2 ft)	0.6 m (2 ft)	0.6 m (2 ft)
Gain	29.5 dBi	29.8 dBi	29.3 dBi
Operating Frequency	5.25–5.85 GHz	4.9-6 GHz	4.9-6 GHz
3 dB Beamwidth	6.1°	6.2°	6.1°
Polarization	Single	Dual	Dual
F/B	38 dB	38 dB	44 dB
VSWR	1.5:1	1.5:1	1.5:1

	<b>RDH4513B</b>	<b>RDH4504C</b>	<b>RDH4509C</b>
Antenna Type	Parabolic	Parabolic	Parabolic
Dish size	0.9 m (3 ft)	0.9 m (3 ft)	0.9 m (3 ft)
Gain	33 dBi	33 dBi	32.8 dBi
Operating Frequency	5.25–5.85 GHz	4.9-6 GHz	4.9-6 GHz
3 dB Beamwidth	4.2°	4.2°	4.2°
Polarization	Single	Dual	Dual
F/B	40 dB	40 dB	46 dB
VSWR	1.5:1	1.5:1	1.5:1

	<b>N050067D018A</b>	<b>RDH4505C</b>	<b>RDH4510C</b>
Antenna Type	Parabolic	Parabolic	Parabolic
Dish size	1.2 m (4 ft)	1.2 m (4 ft)	1.2 m (4 ft)
Gain	35.4 dBi	35.4 dBi	34.7 dBi
Operating Frequency	5.25–5.85 GHz	4.9-6 GHz	4.9-6 GHz
3 dB Beamwidth	3°	3.1°	3°
Polarization	Single	Dual	Dual
F/B	44 dB	44 dB	49 dB
VSWR	1.5:1	1.5:1	1.5:1

	<b>N050067D019A</b>	<b>RDH4506C</b>	<b>RDH4511C</b>
Antenna Type	Parabolic	Parabolic	Parabolic
Dish size	1.8 m (6 ft)	1.8 m (6 ft)	1.8 m (6 ft)
Gain	38.4 dBi	38.4 dBi	38.2 dBi
Operating Frequency	5.25-5.85 GHz	4.9-6 GHz	4.9-6 GHz
3 dB Beamwidth	2°	2.1°	2°
Polarization	Single	Dual	Dual
F/B	46 dB	46 dB	52 dB
VSWR	1.5:1	1.5:1	1.5:1

## Parabolic and Sector Antenna Selection Guide

### PMP SECTOR



#### 85009324001

5.4-6.0 GHz, Antenna for 90 Degree Sector

Dimensions: 57h x 14.6w x 6.4d

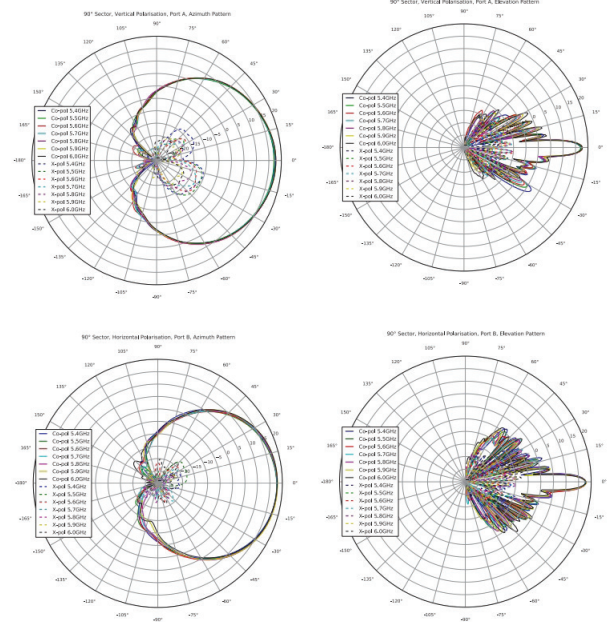
Frequency: 5.4-6.0 GHz

Gain: 17dBi

Polarization: Dual

Connector: N-Type Female

Mounting Brackets: Included



#### 85009325001

5.4-6.0 GHz, Antenna for 60 Degree Sector

Dimensions: 46.8h x 14.6w x 6.4d

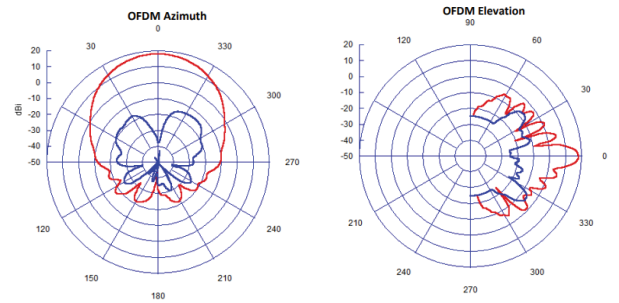
Frequency: 5400-6000 MHz

Gain: 17dBi

Polarization: Dual

Connector: N-Type Female

Mounting Brackets: Included



	85009324001	85009325001
Antenna Type	Sector	Sector
Dimensions	57h x 14.6w x 6.4d	46.8h x 14.6w x 6.4d
Gain	17dBi	17dBi
Operating Frequency	5.4-6.0 GHz	5.4-6.0 GHz
3 dB Beamwidth	Azimuth 65°, -Elevation 6°	Azimuth 45°, Elevation 8°
Polarization	Dual	Dual
F/B	V-pol > 32 dB, H-pol > 35 dB	35 dB
VSWR	1.5:1	1.5:1



## Parabolic and Sector Antenna Selection Guide

### PMP SECTOR



#### C050900D025A

ePMP Dual Horn MU-MIMO Antenna,  
5 GHz, 60 degree

Dimensions: 30.5h x 21.5w x 23.1d

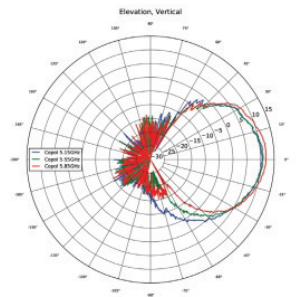
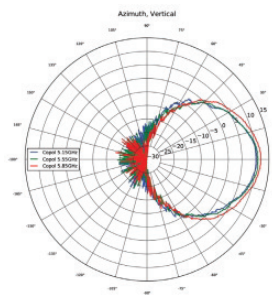
Frequency: 5100 - 6100 MHz

Gain: 12 dBi

Polarity: Dual

Connector: 4x RP SMA

Mounting Brackets: Included



#### C050910D301A

ePMP 4x4 MU-MIMO Sector Antenna  
(for ePMP3000AP)

Dimensions: 59.4h x 15.7w x 11d

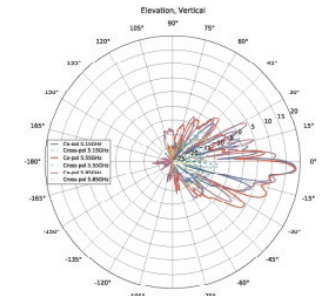
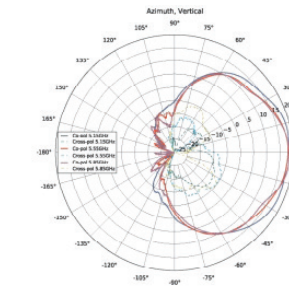
Frequency: 4.9 to 5.9 GHz

Gain: 17dBi

Polarity: Dual

Connector: 4x RP SMA

Mounting Brackets: Included



#### C050900D021B

Antenna, 5 GHz, 90/120 with  
Mounting Kit

Dimensions: 59.4h x 15.7w x 11d

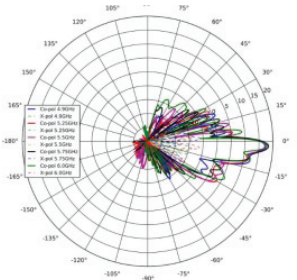
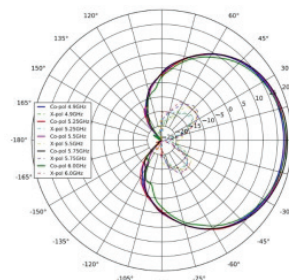
Frequency: 5 GHz

Gain: 18 dBi

Polarity: Dual

Connector: 2x RP SMA

Mounting Brackets: Included



	C050900D025A	C050910D301A	C050900D021B
<b>Antenna Type</b>	Sector	Sector	Sector
<b>Dimensions</b>	30.5h x 21.5w x 23.1d	59.4h x 15.7w x 11d	59.4h x 15.7w x 11d
<b>Gain</b>	12 dBi	17dBi	18 dBi
<b>Operating Frequency</b>	5100 - 6100 MHz	4.9 to 5.9 GHz	5 GHz
<b>3 dB Beamwidth</b>	Azimuth 60°	Azimuth 70°, Elevation 6°	Azimuth 90°, Elevation 6°
<b>Polarization</b>	Dual	Dual	Dual
<b>F/B</b>	28 dB	30 dB	35 dB
<b>VSWR</b>	2.0:1	2.0:1	2.0:1

## Parabolic and Sector Antenna Selection Guide

### PMP SECTOR



#### C050000D004

4.9 to 5.9 GHz, Dual-Pol 90 Degree Sector Antenna with Mounting Bracket

Dimensions: 59.4h x 15.7w x 11d

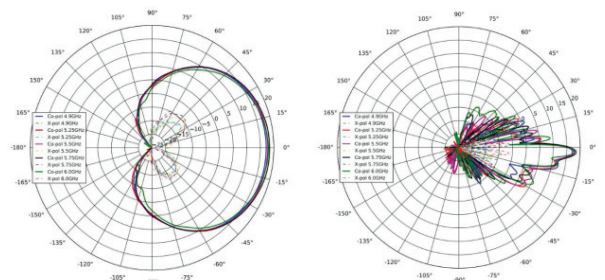
Frequency: 4.9 to 5.9 GHz

Gain: 17dBi

Polarity: Dual

Connector: N-Type Female

Mounting Brackets: Included



#### C030045D901A

3.3-3.8 GHz Dual Slant Antenna for 90 Degree Sector

Dimensions: 71.5h x 12.3w x 6.8d

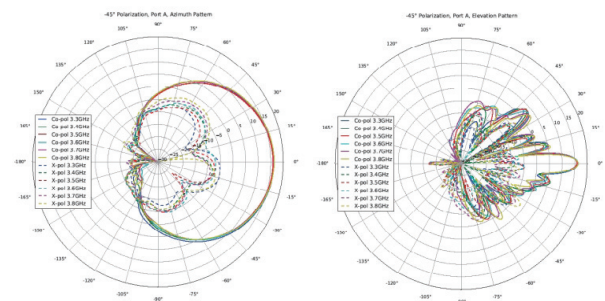
Frequency: 3.3-3.8 GHz

Gain: 17dBi

Polarity: Dual

Connector: N-Type Female

Mounting Brackets: Included



#### C024045D601A

2.4 GHz Antenna for 60 Degree Sector

Dimensions: 112.2hx24.5wx11.7d

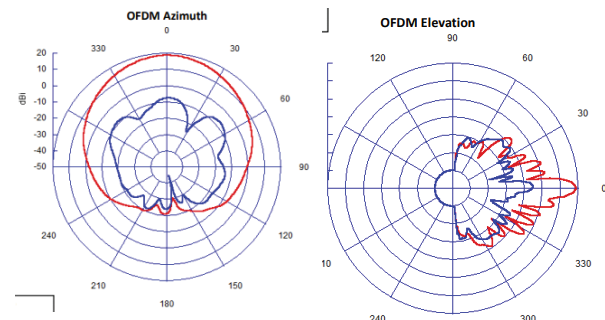
Frequency: 2400-2480 MHz

Gain: 18dBi

Polarity: Dual

Connector: N-Type Female

Mounting Brackets: Included



	C050000D004	C030045D901A	C024045D601A
Antenna Type	Sector	Sector	Sector
Dimensions	59.4h x 15.7w x 11d	71.5h x 12.3w x 6.8d	112.2hx24.5wx11.7d
Gain	17dBi	17dBi	18dBi
Operating Frequency	4.9 to 5.9 GHz	3.3-3.8 GHz	2.4-2.48 GHz
3 dB Beamwidth	Azimuth 90°, Elevation 6°	Azimuth 65°, -Elevation 7°	Azimuth 52°, Elevation 6°
Polarization	Dual	Dual	Dual
F/B	35 dB	> 35 dB, 180 ± 30°	> 32 dB, 180 ± 30°
VSWR	2.0:1	1.5:1	1.5:1

## Parabolic and Sector Antenna Selection Guide

### PMP SECTOR



#### N025000D001A

MTI 65 degree Sector Antenna,  
17 dBi

Dimensions: 113.4h x 21w x 8.5d

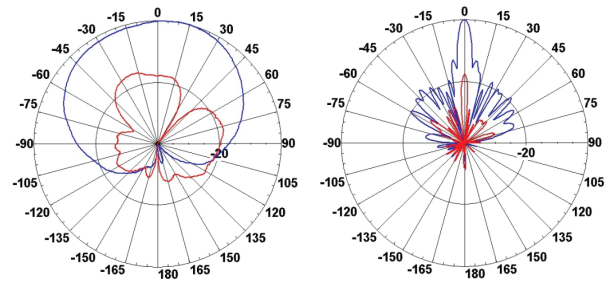
Frequency: 2.3-2.7 GHz

Gain: 17dBi

Polarity: Dual

Connector: N-Type Female

Mounting Brackets: Included



#### C024900D004A

ePMP 1000: 2.4 GHz Sector 90/120  
Antenna w/Mount

Dimensions: 82.7h x 16.1w x 5.9d

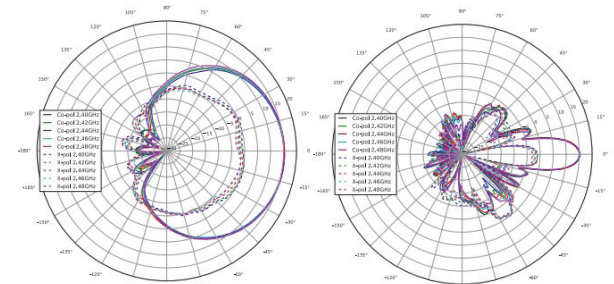
Frequency: 2.4 GHz

Gain: 15 dBi

Polarity: Dual

Connector: N-Type Female

Mounting Brackets: Included



#### N009045D001A

900 MHz 60 degree Sector Antenna  
(Dual Slant)

Dimensions: 88L x 28.8w x 13.2h

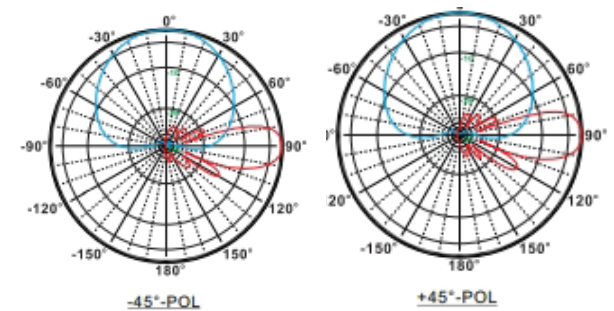
Frequency: 900 MHz

Gain: 13 dBi

Polarity: Dual

Connector: 2-Type N Female

Mounting Brackets: Included

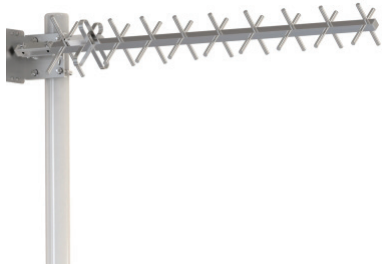


	N025000D001A	C024900D004A	N009045D001A
Antenna Type	Sector	Sector	Sector
Dimensions	113.4h x 21w x 8.5d	82.7h x 16.1w x 5.9d	88L x 28.8w x 13.2h
Gain	17 dBi	15 dBi	13 dBi
Operating Frequency	2.3-2.7 GHz	2.4 GHz	900 MHz
3 dB Beamwidth	Azimuth 70°±5°	Azimuth 90°, Elevation 11°	Azimuth 65°, Elevation 23°
Polarization	Dual	Dual	Dual
F/B	30 dB	30 dB	30dB
VSWR	2.0:1	1.7:1	1.7:1



## Parabolic and Sector Antenna Selection Guide

### PMP SECTOR



#### N009045D003A

900 MHz 12 dBi gain directional antenna (Dual Slant)

Dimensions: 105.6L

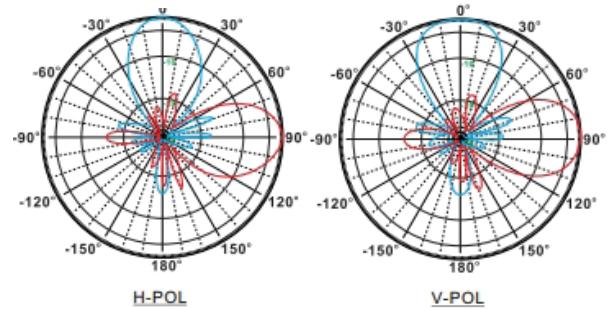
Frequency: 900 MHz

Gain: 12 dBi

Polarity: Dual

Connector: 2x RP SMA Male

Mounting Brackets: Included



N009045D003A	
Antenna Type	Sector
Dimensions	105.6L
Gain	12 dBi
Operating Frequency	900 MHz
3 dB Beamwidth	Azimuth 45°
Polarization	Dual
F/B	50 dB
VSWR	1.7:1

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Cambium Networks empowers millions of people with wireless connectivity worldwide. Its wireless portfolio is used by commercial and government network operators as well as broadband service providers to connect people, places and things. With a single network architecture spanning fixed wireless and Wi-Fi, Cambium Networks enables operators to achieve maximum performance with minimal spectrum. End-to-end cloud management transforms networks into dynamic environments that evolve to meet changing needs with minimal physical human intervention. Cambium Networks empowers a growing ecosystem of partners who design and deliver gigabit wireless solutions that just work.