

Product Description

The PAT5M patch antenna is a MIMO, 17dBi high gain antenna option for the MeshII series. The patch allows long range outdoor transmission of IEEE802.11n wireless signals. Included in the PAT5M kit are two, 1m connection cables for the MeshII series and a pole/wall mount installation hardware kit.

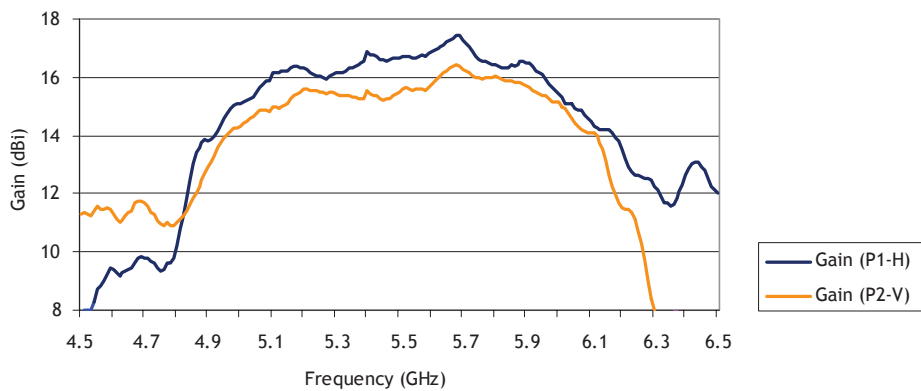
Product Features

- 5GHz 17dBi high gain antenna
- Global compatibility
- Easy installation - pole/wall mount hardware included
- Antenna alignment & site signal survey tools
- Designed for outdoor IEEE802.11n long range transmission
- Cable included to connect to MeshII-AX-XX series nodes

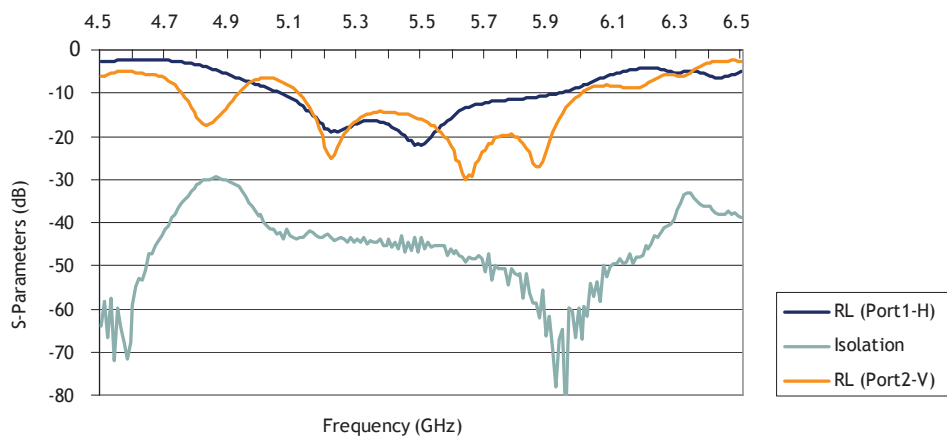


Performance

Gain Plot

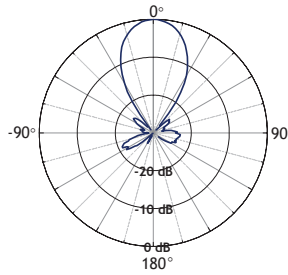


Return Loss & Isolation Plot

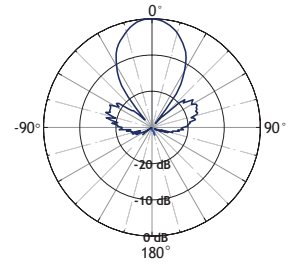


Polar Plots At 5.6GHz

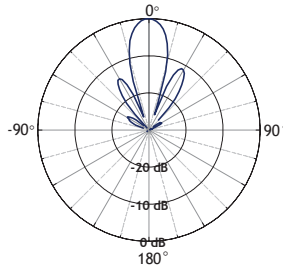
H-Pol Azimuth
(Port 1 - H)



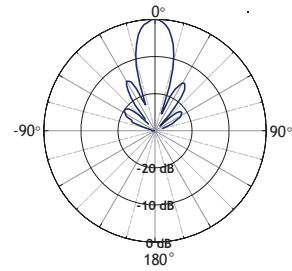
V-Pol Azimuth
(Port 2 - V)



H-Pol Elevation
(Port 2 - V)



V-Pol Elevation
(Port 1 - H)



Specifications

Electrical

Frequencies	5100 - 5900MHz
Gain	17dBi
VSWR	Horz (Port 1): < 1:1.87, Vert (Port 2): < 1: 1.55
Dual Polarization	Vertical and Horizontal
Beamwidth	Azimuth 30° (Horizontal), 33° (Vertical)
Beamwidth	Elevation 17° (Horizontal), 17° (Vertical)
Isolation	-40dB (Max)
Front to Back Ratio	-30dB (Max)
Impedance	50 Ω
Cross Polarisation Isolation	-28dB (Max)
Side Lobe	< -12dB
Antenna Connector	N female from 2 x 1m cables

Mechanical

Dimensions (L x W x D)	250mm x 140mm x 45mm (9.9" x 5.5" x 1.8")
Weight	1lb 2oz / 0.5kg
Mounting	wall / pole-mount kit

Environmental

Temperature	-40°C - +75°C / -40°F - +167°F
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Part Number

PAT5M

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