

DATASHEET

4 dBi Omni RP-SMA MIMO 2.4/5 GHz Antenna A2504S3-O

The 4 dBi Omni RP-SMA MIMO 2.4/5 GHz antenna is a low-profile, multi-polarized MIMO (Multiple Input Multiple Output) antenna that provides antenna feeds and elements that provide maximum diversity for 2.4/5 GHz WiFi and WiMax broadband wireless frequencies.

The antenna provides a built-in ground plane, high-performance, low-cost cable, and high-quality connector for unsurpassed efficiency.

The antenna is extremely suitable for:

- ❖ Wireless Broadband Systems
- ❖ WiFi AP
- ❖ Router
- ❖ Bridge
- ❖ CPE
- ❖ Wireless Mesh
- ❖ High-Obstruction Deployments
- ❖ Outdoor Fixed or Mobile applications



Features

- ◆ Built-in spatial diversity
 - ◆ Wide band performance
 - ◆ Integrated ground plane
 - ◆ UV stabilized material
 - ◆ Single 3/4-inch stud mount
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Specifications

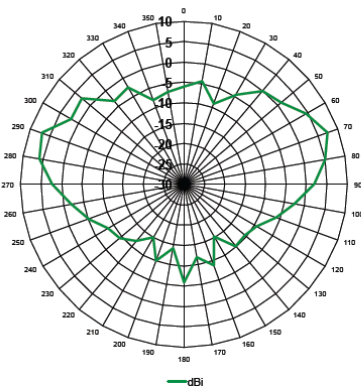
Typical Performance

Frequency Range	2.4 GHz, 4.9 to 6 GHz
Gain	4 dBi (With built-in spatial and polarization diversity, performance in obstructed environments is greater than that of standard antennas with similar or higher laboratory gains)
VSWR	1.1:1 to 1.5:1
Polarization	Multi-Polarized
Power	50 W Input
Input	50 ohms Nominal

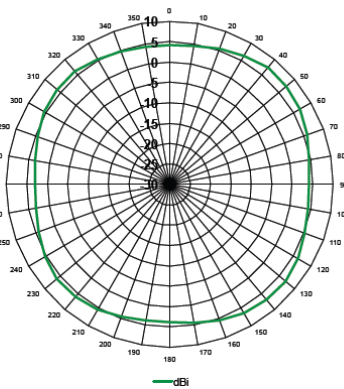
Physical

Diameter	4.5 in (114.3 mm)
Height	2.5 in (63.6 mm)
Weight	12 oz (340 g)
Cables	LMR200, 15 LF
Connector	RP-SMA
Construction	UV ASA
Ground Plane	Built-in
Warranty	One-year limited

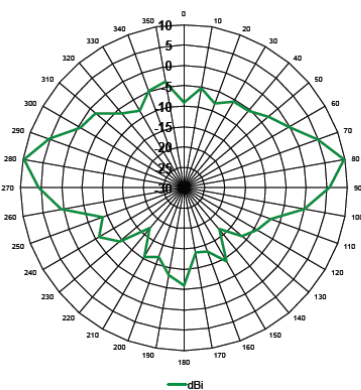
2.4GHz Elevation Radiation Pattern



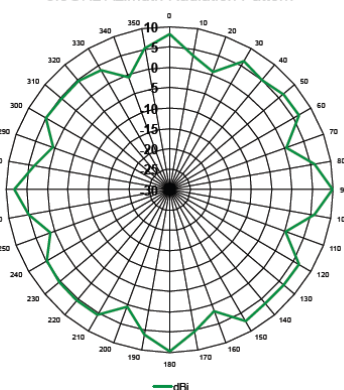
2.4GHz Azimuth Radiation Pattern



5.8GHz Elevation Radiation Pattern



5.8GHz Azimuth Radiation Pattern



Regulatory Approvals

Wireless Approvals

Visit our web site at www.prosoft-technology.com for current wireless approval information.



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Ordering Information

To order this product, please use the following:

4 dBi Omni RP-SMA MIMO Antenna with 15-foot Pigtail 2.4/5 GHz

- A2504S3-O (15 foot pigtail)
- A2504S3-O-1 (1 foot pigtail)

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