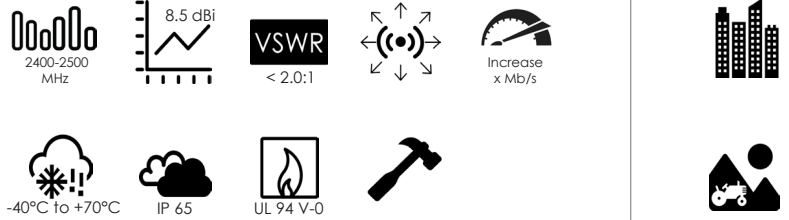


ANTENNAS | OMNI-50

OMNI-50

2400-2500 MHZ HIGH GAIN OMNI-DIRECTIONAL ANTENNA



- Increased connectivity stability
- High gain over the 2400-2500MHz frequency band
- Popular choice with installers because of its versatile base station
- Vandal and water resistant enclosure

Product Overview

This high gain omni-directional antenna covers the 2400-2500MHz frequency band. It is a light-weight antenna that is easy to install. This is a cost- effective omni-directional solution as it comes with a 8m cable. This antenna is a popular choice with installers because of its versatile base station.

Features

- High gain omni-directional antenna
- Wall and pole mountable
- Water resistant
- Lightweight


Application areas

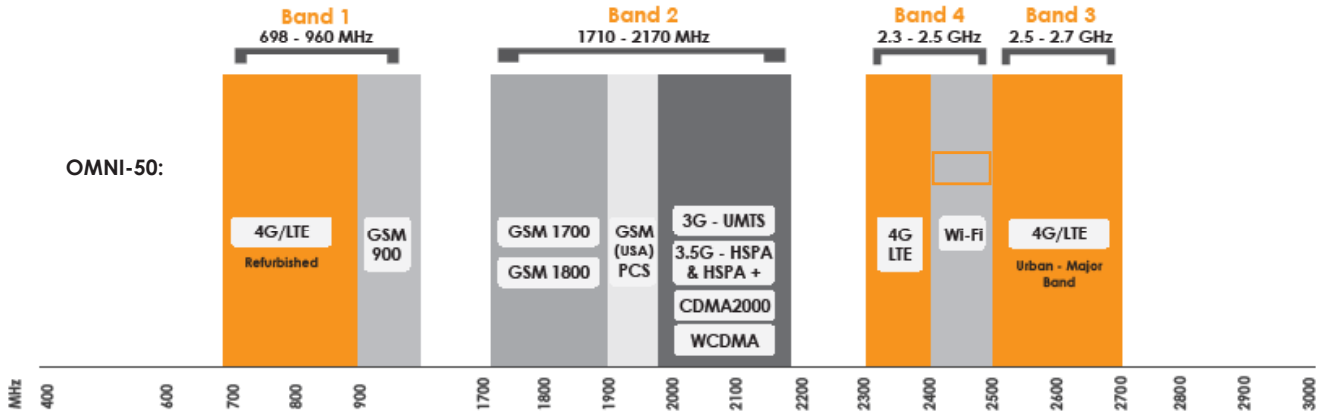
- Hotspot Installations
- WLAN Base Station



Frequency bands

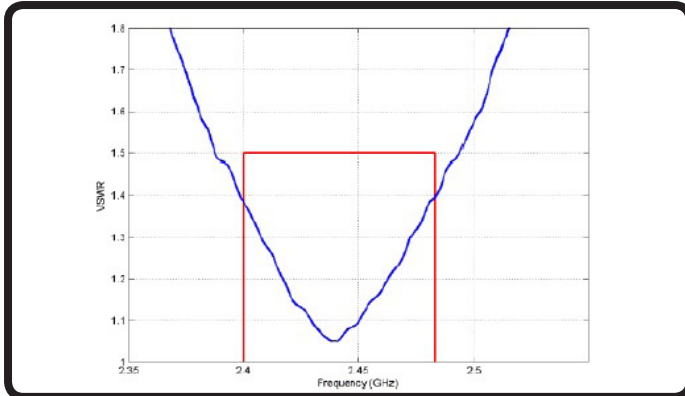
The OMNI-50 works on the 2400 - 2500 MHz bands

 Indicates the bands on which this antenna works



Antenna Performance Plots

VSWR:

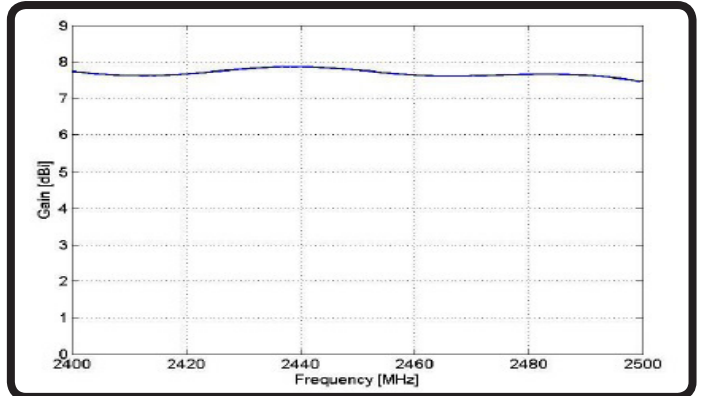


Voltage Standing Wave Ratio (VSWR)

VSWR is a measure of how efficiently radio-frequency power is transmitted from a power source, through a transmission line, into a load. In an ideal system, 100% of the energy is transmitted which corresponds to a VSWR of 2:1.

The OMNI-50 delivers superior performance across all bands with a VSWR of 2.0:1 or better.

Gain: (excluding cable loss)



Gain* in dBi

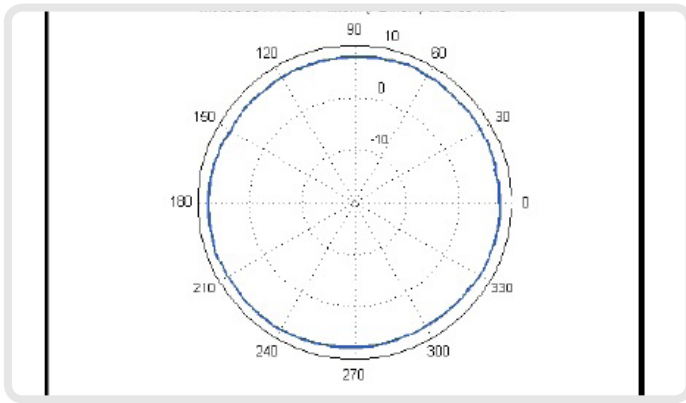
8.5 dBi is the peak gain across all bands from 2400 - 2500 MHz

Gain@ 2400 - 2500 MHz:

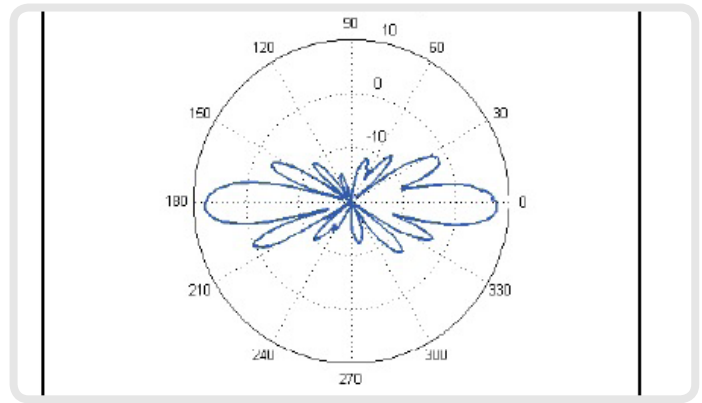
8.5 dBi

Radiation Patterns

H-Plane:



E-Plane:



Electrical Specifications

Frequency Bands:	2400-2500 MHz
Gain (Max):	8.5 dBi
VSWR:	<2.0:1
Feed Power Handling:	10 W
Input impedance:	50 Ohm (nominal)
Polarisation:	Vertical
DC Short:	Yes

Mechanical Specifications

Product Dimensions (L x W x D):	570 mm x 50 mm x 50 mm
Packaged Dimensions:	600 mm x 135 mm x 65 mm
Weight:	254 g
Packaged Weight:	512 g
Radome Material:	ABS (Halogen Free)
Radome Colour:	Pantone - Cool Gray (1C) RAL - 7047
End Cap Colour:	Pantone - Black RAL - Black

Environmental Specifications

Wind Survival:	160 km/h
Temperature Range (Operating):	-40°C to +70°C
Environmental Conditions:	Outdoor/Indoor
Operating Relative Humidity:	Up to 98%
Storage Humidity:	5% to 95% - non condensing
Storage Temperature:	-40°C to +70°C

Product Box Contents

Antenna:	A-OMNI-0050-V3
Mounting Bracket:	Pole up to 50mm diameter Wall and Pole mount stainless steel bracket
Cable Length:	8m
Cable Type:	HDF 195
Connector:	SMA (m)

The connector is factory mounted to the antenna



A-OMNI-0121-V3



Ordering Information

Commercial name:	OMNI-50
Order Product Code:	A-OMNI-0050-V3
EAN number:	6009693810945

Additional Accessories Available

Extension Cables:	Up to 15m HDF 195
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Various connectors available

Installation poles and brackets available

For more detailed information and availability in your region, visit our web site: www.poynting.tech

Certification Approvals and Standards

Flammability rating:	UL 94-V0 EN 13823
Water Ingress Protection Ratio/Standard:	IP 65
Impact resistance:	IK 08
Salt Spray:	MIL-STD 810F/ASTM B117
Product Safety:	Complies with UL, CE, EN, CSA and IEC standards



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