

ANTENNAS | WLAN-38

WLAN-38

2300 - 2700 MHZ CPE ANTENNA-ENCLOSURE FOR WIFI AND WIMAX



- Water resistant
- WiFi and WiMAX compatible
- Ruggedised
- Quick and compact setup

Product Overview

WLAN-A0038 is a compact weatherproof outdoor enclosure featuring a wide band 2.5GHz panel antenna operating from 2.3 to 2.7 GHz with a steady gain of 15.5dBi across the band and is the ideal CPE antenna-enclosure for 2.5GHz WiFi and WiMAX systems. The product features a ruggedised, watertight ethernet disconnect gland, which greatly simplifies the installation process by allowing the installer to attach their own Ethernet CAT5 cable to the exterior of the enclosure after it has been mounted. In addition, various built-in fixed mounting pillars allow mounting of the most popular electronics whilst adhesive mounting pillars are provided for added flexibility. Knock-outs are also included for two N-connectors on the bottom of the enclosure. Protection from static and surges is provided in the form a DC-shorted antenna as well as an integrated.


Features

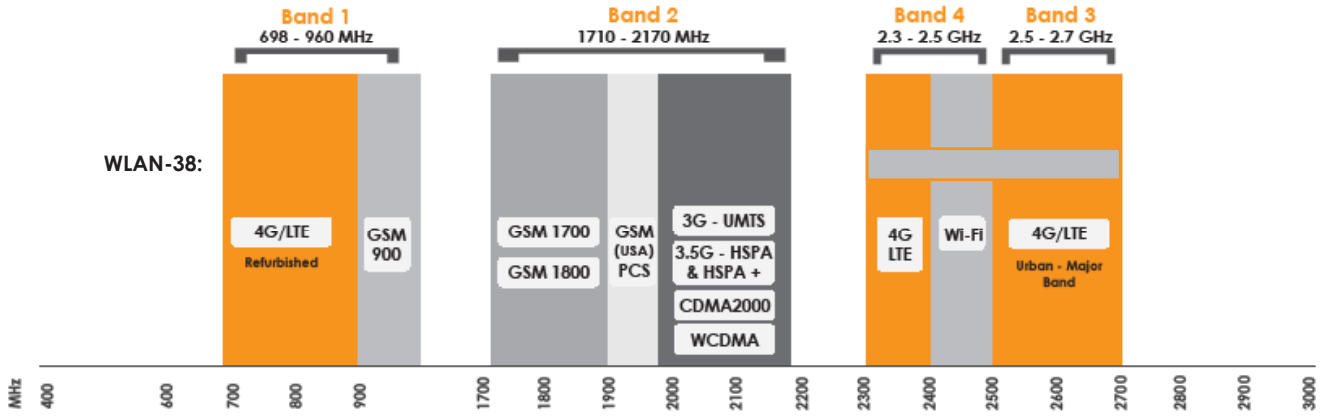
- Water resistant enclosure with external ethernet
- Lightweight
- Two antennas in one enclosure



Frequency bands

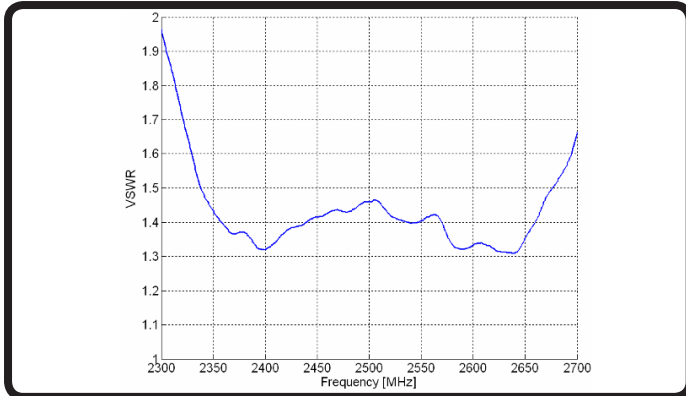
The WLAN-38 is a wide-band antenna that works from 2300 - 2700 MHz

 Indicates the bands on which this antenna works



Antenna Performance Plots

VSWR:

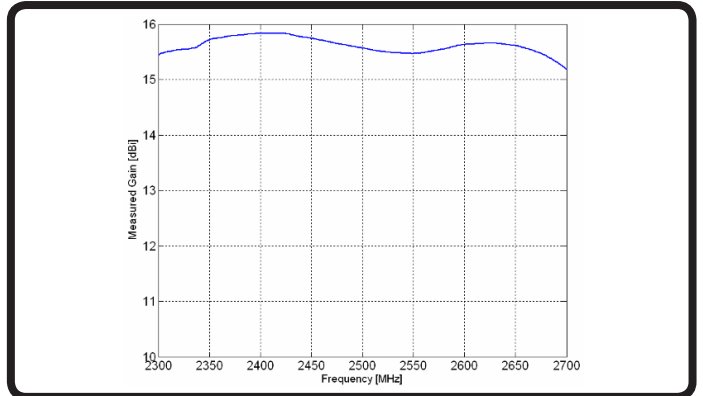


Voltage Standing Wave Ratio (VSWR)

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 2.0:1.

The WLAN-38 delivers superior performance across all bands with a VSWR of < 2.0:1 or better.

Gain: (excluding cable loss)



Gain* in dBi

16 dBi is the peak gain across all bands from 2300 - 2700 MHz

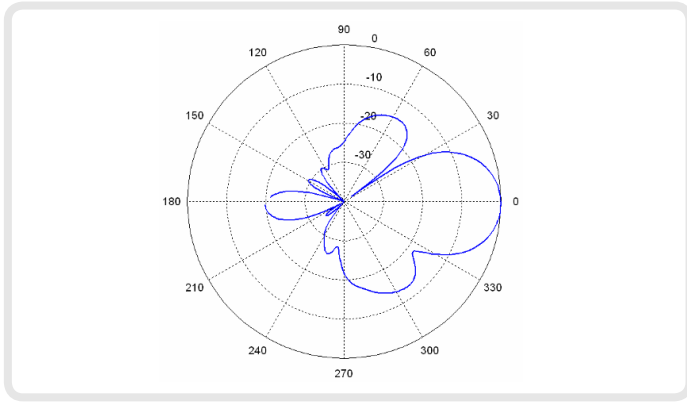
Gain @ 2300-2700 MHz:

16 dBi

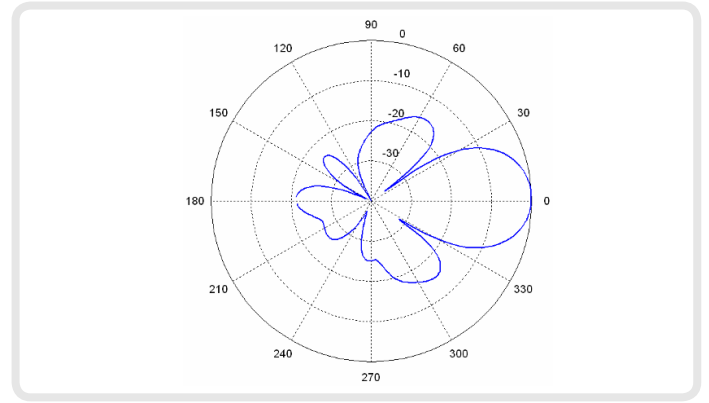
*Antenna gain measured with polarisation aligned standard antenna

Radiation Patterns

E-Plane



H-Plane



Electrical Specifications

Frequency Bands:	2300 - 2700 MHz
Gain (Max):	16 dBi
VSWR:	<2.0:1
Feed Power Handling:	10 W
Input impedance:	50 Ohm (nominal)
Polarisation:	Linear
DC Short:	Yes

Mechanical Specifications

Product Dimensions (L x W x D):	240 mm x 240 mm x 60 mm
Packaged Dimensions:	260 mm x 280mm x 80mm
Weight:	760.6g
Packaged Weight:	1334.8g
Radome Material:	ABS (Halogen Free)
Radome Colour:	Cool Gray (1C) RAL 7047

Environmental Specifications

Wind Survival:	160km/h
Temperature Range (Operating):	-20°C to +70°C
Environmental Conditions:	Outdoor/Indoor
Operating Relative Humidity:	Up to 98%
Storage Humidity:	5% to 95% - non condensing
Storage Temperature:	-20°C to +70°C

Product Box Contents

Antenna:	WLAN-0038-V2
Mounting Bracket:	Cast aluminium bracket

The connector is factory mounted to the antenna



Ordering Information

Commercial name:	WLAN-38
Order Product Code:	A-WLAN-0038-V2
EAN number:	6009693810600

Additional Accessories Available

Extension Cables:	None
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Certification Approvals and Standards

Flammability rating:	UL 94-V1 EN 13823
Water Ingress Protection Ratio/Standard:	IP 65 (NEMA 4X)
Impact resistance:	IK 08
Salt Spray:	MIL-STD 810F /ASTM B117
Product Safety:	Complies with UL, CE, EN, CSA and IEC standards

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



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