Mounting Instructions
WMMLP8G-7-27

SW3-713 - Document Version 1.0

Introduction

The WMMLP8G-7-27 is a low PIM MiMo 2G/3G/4G antenna supplied with either N female or 4.3-10 female connectors

Important Note Regarding Low PIM Antennas
It is prudent to evaluate a proposed mounting location for appropriateness based on PIM sources in the environment before installation. These tests are best performed at lower frequencies (850/900MHz) and using the maximum power that will be utilised for the installation. The antenna can be temporarily mounted in the proposed location and then PIM tested to determine magnitude and proximity of PIM sources. Often the best way to improve PIM performance of a network is to move antennas to minimise the impact of PIM sources in the surrounding environment.

1. Select Position

RF Safety Note
For deployments using high power - the proximity of professionals and members of the public during use should be taken into account when determining location and output power. Expert advice may be required to comply with local laws.

The WMMLP8G-7-27 is a directional MiMo antenna which must be installed directed towards the desired coverage area. Network planning software is an optimal way to plan complicated DAS installations. The directivity information in the antenna datasheet can also be utilised.

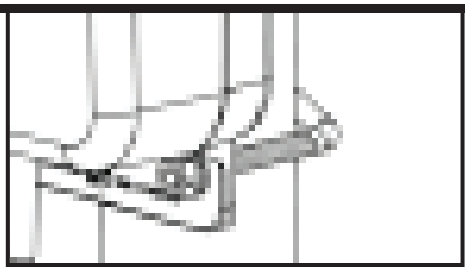
Ensure that the selected mounting location can be safely accessed with the equipment that you have available and mount the antenna so that it has at least 1 metre (3.3') of clearance from all obstructions if possible. The antenna should not be mounted directly on to metal walls or backing on to metal masts or poles. If the antenna must be mounted to such a surface it must be mounted at the lip of the roof or the very top of the pole such that the body of the antenna is elevated clear of the metal surface.

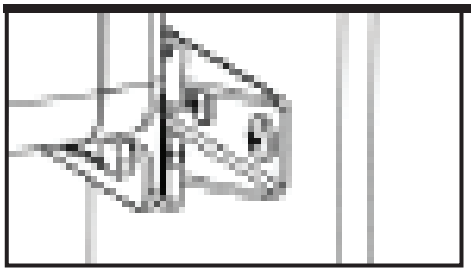
2. Mounting the Antenna

A. Mount the antenna
The antenna is supplied with weatherproof mounting hardware for wall or mast mounting and should be fitted with the cable entry at the bottom.

Mast Mounting

The clamp assembly allows fitting to masts of between 20-50mm (0.8" – 2") diameter.





Wall Mounting
The wall mount bracket can be used to mount the WMMLP8G antenna to walls or other secure flat surfaces. Suitable screws and wall plugs (if required) should be sourced locally.

B. Secure the Antenna In Place and Tighten Connectors
Fully tighten the mounting hardware. Loose fasteners can be a source of PIM. The antenna connectors will also need to be connected to the main cable run and tightened to the correct torque. We recommend using a torque spanner and 3Nm for N type connectors and 5Nm for 4.3-10 Connectors. Ideally the connectors should be cleaned internally with compressed air or a cotton bud each time they are tightened.

3. Notices

RF Safety Note

For deployments using high power - the proximity of professionals and members of the public during use should be taken into account when determining output power, Expert advice may be required to comply with local laws.

Electrical Caution

Parts of this antenna are an electrical conductor. Contact with power lines can result in death or serious injury. The antenna and supporting mast must not be close to any power lines during installation, use or removal. If the antenna is elevated and at risk from lightning strike it must be ensured that the antenna is mounted and earthed appropriately by a trained professional in accordance with the relevant standards.

European Waste Electronic Equipment Directive 2002/96/EC

Please ensure that your old Waste Electricals and Electronics are recycled in accordance with the regulations. Please do not throw them away with your domestic rubbish as they will not be recycled.

RoHS 2: EU RoHS compliance is declared per **Directive 2011/65/EU** and its subsequent amendments. Homogeneous materials composing parts that are compliant with this legislation have less than 0.1% by weight each of lead, mercury, hexavalent chromium, PBB, and PBDE, and 0.01% by weight of cadmium. In situations where an exemption applies, the preceding limits, corresponding to the exempted substance(s), may be higher.

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PANORAMA ANTENNAS

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