

Installation Instructions

LPM2-7-27[-X]

SW3-1092 - v1

1. Introduction

The LPM2-7-27 antenna series is a range of low profile antennas incorporating 2x LTE elements covering 4G LTE frequencies for MiMo operation. The antenna range should only be installed on non-conductive panels - installation on conductive / metal panels will result in significant detriment to performance, especially at lower frequencies from 698-960MHz.

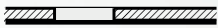
2. Mounting requirements and selecting location

Ensure that there is adequate under panel clearance and that there are no obstructions under the mounting panel. Measure to check for central position if applicable. For optimal performance the antenna should, if possible, be mounted at least 300mm (1ft) away from other conductive objects on the mounting panel.

3. Prepare and drill hole



Mask panel area around hole position to protect paintwork and headliner. Drill a pilot hole, and then increase to 19mm (3/4"), ensuring that drill/ cutter bit does not contact headliner. Clean area around the hole, carefully removing all swarf.



4. Fitting the antenna

Note: It is recommended that the installation is carried out when the temperature is greater than 50°F (10°C) as the ideal temperature for the pad bonding is 70°F (21°C) to 100°F (37°C).

Remove protective backing from underside of antenna adhesive pad, feed coaxial cable(s) through panel. Position the antenna over the hole and stick to panel by applying firm downward pressure. Assemble nut from underside and tighten.

IMPORTANT: Do not exceed a torque of 5Nm (3.6ft/lbs) when tightening the mounting nut.

5. Routing and terminating coaxial cable

Route the coaxial cables to the equipment, taking care to avoid fouling any moving component. The cables must not be routed in front of any airbag device. Respect a minimum bend radius of 12mm (1/2") if possible.

6. Commission and test

- Check the VSWR measures as specified on the datasheet.

7. Notices



DO NOT

- operate the equipment in an explosive atmosphere.
- attempt to install the antennas without the proper safe equipment to access the install location.
- install the antenna in such a way that it may fall and cause injury.
- chew parts or put them in mouth, keep away from unsupervised children.
- operate the transmitter when someone is within 20cm (8") of the antenna.



European Waste Electronic Equipment Directive 2002/96/EC

Waste electrical products should not be disposed of with household waste. All electronic products with the WEEE logo must be collected and sent to approved operators for safe disposal or recycling. Please recycle where facilities exist. Many electrical/electronic equipment retailers facilitate "Distributor Take-Back scheme" for household WEEE. Check with your Local Authority or electronic retailers for designated collection facilities where WEEE can be disposed of for free.

Waiver: This document represents information compiled to the best of our present knowledge. It is not intended to be a representation or warranty of fitness of the products described for any particular purpose. This document details guidelines for general information purposes only. Always seek specialist advice when planning installations and ensure that antennas are always installed by a properly qualified installer in compliance with local laws and regulations.