

LPW-433

Low Profile 433MHz Antenna

Issue Date:24/05/2019 v.1.1



Low profile

Adhesive or screw mount

Multiple cable routing options

The Panorama LPW antenna is designed to decrease the lifetime cost of M2M and smart metering installations by offering a robust, effective antenna that is easy to install.

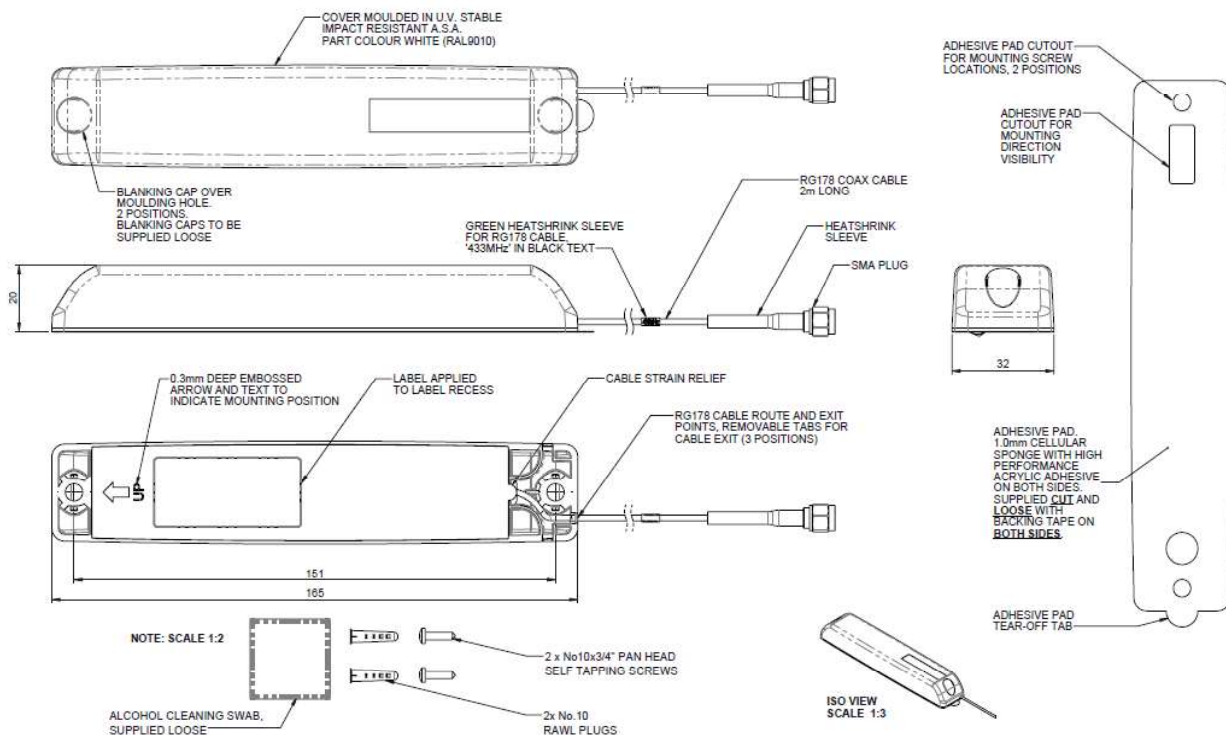
The antenna offers omni-directional performance across the 433MHz band. The efficient element design ensures a high first time connection rate and an ongoing, robust communications link+.

The antenna can be installed using the supplied industrial grade adhesive pad or via the integrated screw mounting bosses.

+Performance may change based on mounting surface.

Technical Drawing

LPW-433-2SP Shown



Part No.

LPW-433-2SP

LPW-433-2RFAKDJ

Electrical Data

Frequency Range (MHz) 433MHz

Peak Gain: Isotropic + -3dBi

Typical VSWR <2.5:1

Polarisation Vertical

Pattern Omni-directional

Impedance 50Ω

Max input power (W) 20

Mechanical Data

Height 20 (0.79")

Length 165 (6.5")

Depth 32 (1.26")

Operating Temp (°C) -30° / +70°C (-30° / 158°F)

Material ASA Plastic

Colour RAL 9010- White

Mounting Data

Fixing Acrylic adhesive pad and 2x ST/STL 4.8/19mm screws

Cable Data

Cable Type RG178

Diameter (mm) 1.8 (.07")

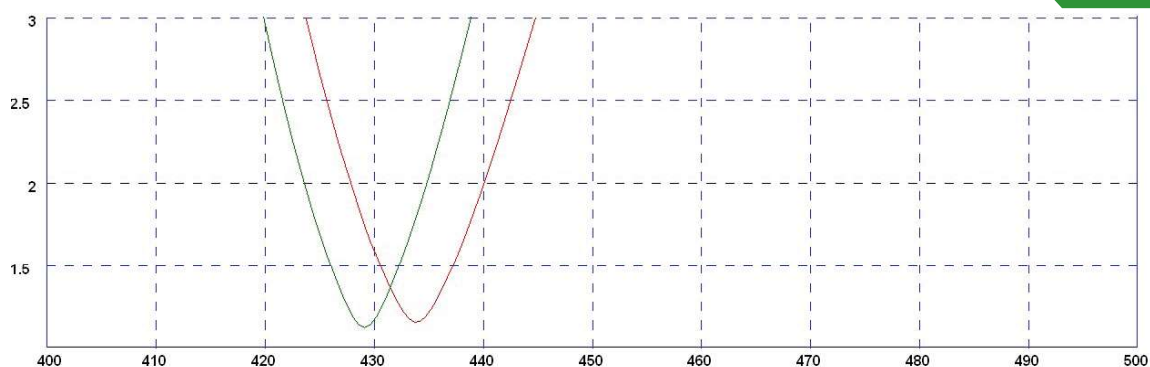
Length (m) 2 (6.6')

Termination SMA Plug R/ FAKRA D Jack

+ Peak gain measured with antenna mounted on metal sheet and does not include cable attenuation

Typical VSWR*

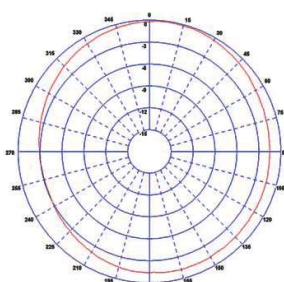
VSWR



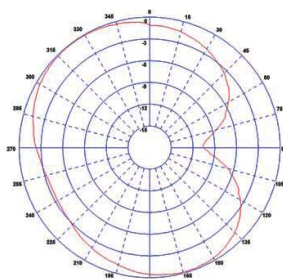
*Red trace = free space, Green trace = on metal ground plane both measured with 2m (6'6") of RG178 cable

Patterns

Typical H plane (433MHz)



Typical E plane (433MHz)


PANORAMA ANTENNAS

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Waiver: The data given above is indicative of the performance of the product/s under particular conditions and does not imply a guarantee of performance. These specifications are subject to change without notice.

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