

# 14dBi Panel Antenna

2.4 - 2.5 GHz

Product code: PANL-A0005



This panel antenna covers the 2.4 - 2.5 GHz frequency band and has been designed to be waterproof. Mounting brackets allow it to be either wall or pole mounted.

## Features:

- Completely waterproof
- Easy installation
- Low cost

## Application areas:

- Connection between wireless LAN base stations
- Any other point to point communication in the 2.4 - 2.5 GHz frequency band
- CPE applications

**Specifications:**

**Product Code:**

PANL-A0005	0.3 m RG 58 with N(f) connector
PANL-A0005-01	0.3 m RG 58 with RP TNC(f) connector
PANL-A0005-02	0.6 m RG 58 with SMA(m) connector
PANL-A0005-03	1 m RG 58 with N (m) connector
PANL-A0005-04	7.5 m HDF195 with SMA(m) connector

**Electrical:**

Gain	14 dBi
Frequency	2.4 – 2.5 GHz
VSWR	< 2.0:1 over 2.3 - 2.6GHz
Feed power handling	10 W
E-plane 3 dB beamwidth	40° (± 2°)
H-plane 3 dB beamwidth	36° (± 2°)
Front to back (F/B ratio)	22 dB (± 5 dB)
Nominal input impedance	50 Ohm
Polarisation	Linear (Vertical or Horizontal)

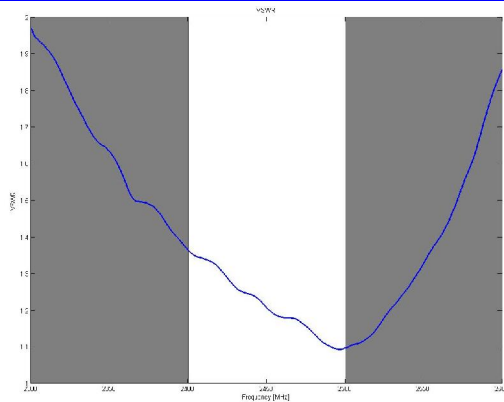
**Mechanical:**

Dimensions (l x w x d)	215 mm x 215 mm x 30 mm
Weight	375 g excluding mounting brackets and cable
Clamp	40 – 50 mm pole

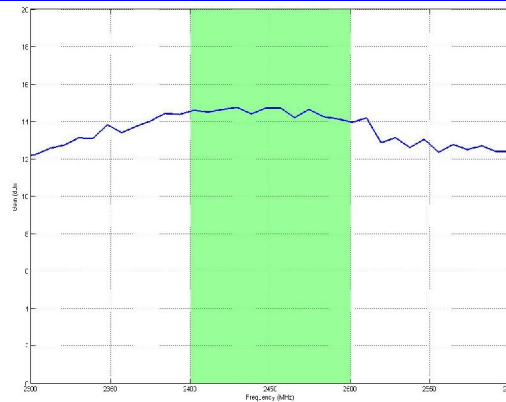
**Environmental:**

Wind Loading	160 km/h
Temperature Range	- 20° C to +70° C
Shock	40G at 10 msec
Thermal Shock	- 20° C to +70° C : 10 cycles
Water Ingress Rating	IP65 (NEMA 4X)

**VSWR and Gain Pattern:**

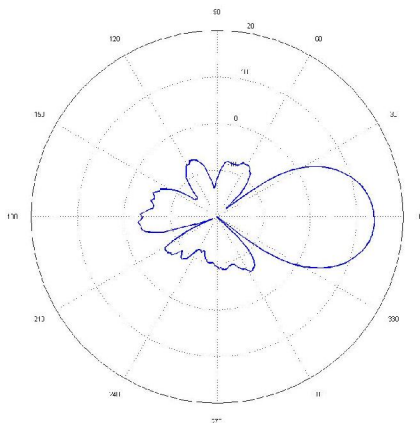


VSWR

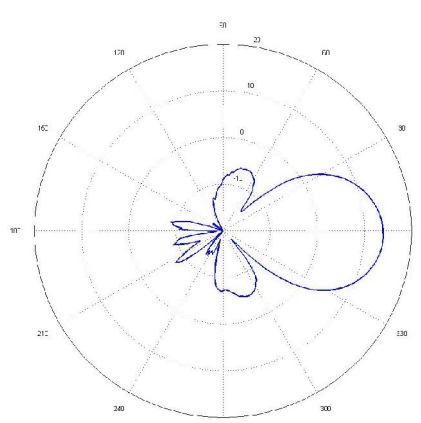


Gain

**Radiation Patterns**



E-Plane



H-Plane