

14dBi Panel Antenna

2.4 - 2.5 GHz

Product code: PANL-A0005



This panel antenna covers the 2.4 - 2.5 GHz frequency band. The antenna has been designed to be waterproof and is ideal for outdoor and indoor applications. It is shipped standard with a bracket for mounting on a mast that allows for azimuth and elevation adjustment. A range of versions offer different connector options.

Features:

- Compact, high gain design
- Reduced Sidelobe Levels
- Superior performance

Application areas:

- Outdoor medium range wireless links for WiFi, Bluetooth, 2.4GHz video and sound
- Client antenna for WiFi applications
- Medium to long range point-to-point links in the 2.45 GHz band

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
Feed power handling	10 W
E-plane 3 dB beamwidth	43° (± 2°)
H-plane 3 dB beamwidth	43° (± 2°)
Front to back (F/B ratio)	24 dB (± 5 dB)
Nominal input impedance	50 Ohm
Polarisation	Linear (Vertical or Horizontal)

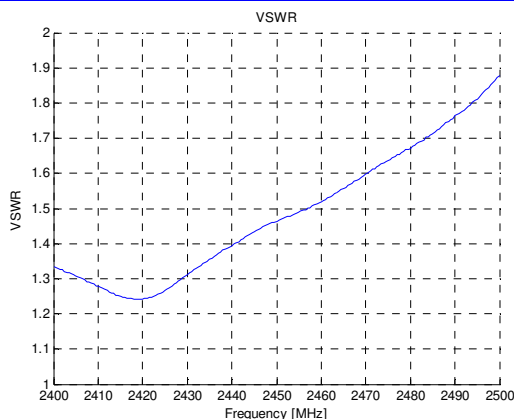
Mechanical:

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

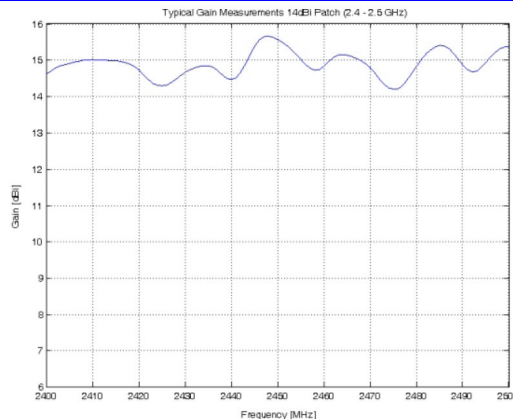
Environmental:

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:

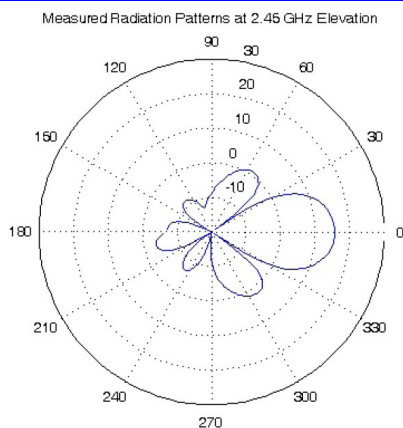


VSWR

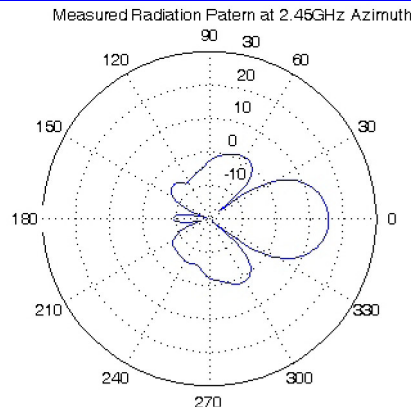


Gain

Radiation Patterns



E-Plane



H-Plane