



Base Station Vertically Polarised Omni-Directional Antenna

Operating Frequency - 2.4 - 2.5 GHz

Product code: Product Code OMNI-A0065



The OMNI-A0065 is a high gain omni-directional antenna developed for the 2.4-2.5 GHz band and is ideal for hotspot and base-station Wireless installations. This antenna is pole mounted. The antenna is manufactured from high quality fibre glass and stainless steel components. It will provide many years of outdoor use in all conditions and carries an extended duration warranty. The radiator is optimally designed and manufactured using low loss components; within these dimensions a higher gain is virtually impossible without compromising azimuth coverage.

Features:

- 2.4 - 2.5 GHz Frequency Range
- Pole mount
- Easy installation
- Extended 5 year warranty

Application:

- Hotspot installations
- WLAN Base Station



Specifications:

Product Code:

Product Code OMNI-A0065 N-Type(f) connector

Electrical:

Gain (max) 11 dBi (± 0.5 dB)
 Frequency 2.4 – 2.5 GHz
 VSWR < 2.5:1
 Feed power handling 10 W
 E-plane 3 dB beamwidth $10^\circ (\pm 5^\circ)$
 H-plane 3 dB beamwidth $65^\circ (\pm 5^\circ)$
 Front to back (F/B ratio) 20 dB (± 3 dB)
 Nominal input impedance 50 Ohm

Polarisation Linear

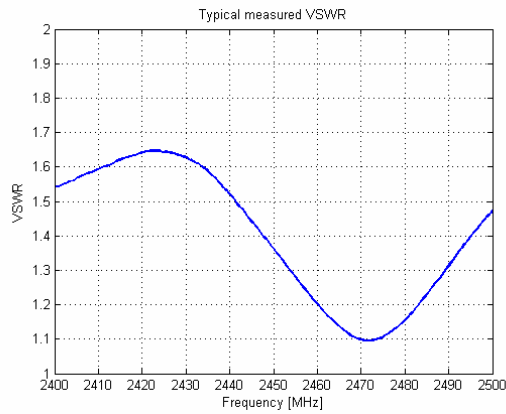
Environmental:

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)

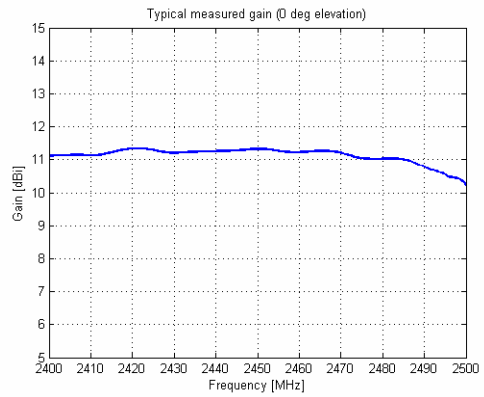
Mechanical:

Dimensions (l x d) (1490 x 90) mm including bracket
 Weight 760 g
 Mounting Stainless steel brackets for up to 50 mm poles

VSWR and Gain Pattern:

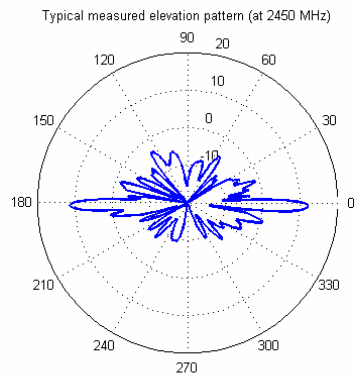


VSWR

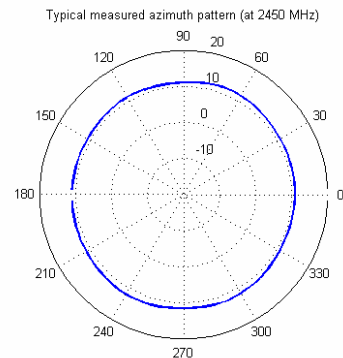


Gain

Radiation Patterns



E-Plane



H-Plane