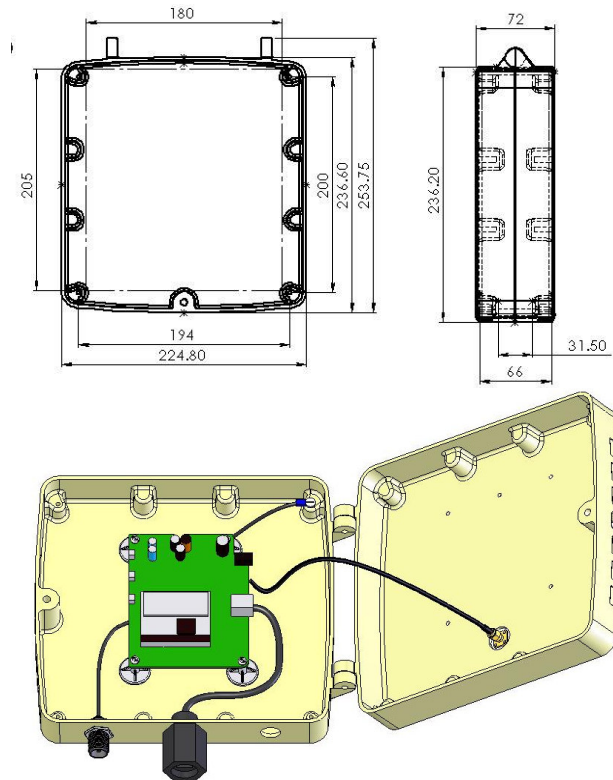




# 14dBi Antenna with Aluminium Enclosure

Operating Frequency:- 2.4 - 2.5 GHz

Product code: WLAN-A0036



*Poynting's BridgePoynt range incorporates a selection of aluminium and injection moulded plastic enclosures with integrated antennas, providing an easy and flexible way of securing electronics of a variety of types, e.g. WiFi, WiMax, in an outdoor environment close to the receiving and transmitting antennas, so minimising the power loss in RF cabling. This product provides a high gain 14dBi 2.4-2.5 GHz antenna integrated into a weatherproof aluminium enclosure. It is provided standard with an adjustable mast mounting bracket enabling both elevation and azimuth tilt capability.*

*The WLAN-A0036 comes standard with a cable gland suitable for CAT5 cables and two additional holes are provided to allow N(f) bulkhead connectors to emerge from inside the enclosure. A variety of N(f) bulkhead cable assemblies are available and can be purchased separately (e.g. N(f)-to-U.FL).*

*All versions of the product come standard with a universal electronics mounting kit to allow flexibility in securing a variety of electronics types. For easier and more routine mounting, standard mounting adaptor plates for common electronics types are available separately, and we will happily design and provide custom mounting adaptor plates for your specific needs for orders of more than 50 units. (Please note: electronics, cabling, mast are not included)*

## Application:

*Outdoor CPE equipment*

*Medium range wireless bridge installations (typ. 3km when paired)*



**Specifications:**

**Product Code:**

WLAN-A0036

14dBi 2.45 GHz antenna SMA(f) connector internal, RJ45 and CAT5 cable glands provided

**Electrical:**

|                           |                   |
|---------------------------|-------------------|
| Gain (max)                | 15 dBi (+-0.5 dB) |
| Gain (min over the band)  | 14 dBi (+-0.5 dB) |
| Frequency                 | 2400 - 2500 MHz   |
| VSWR                      | < 2.0:1           |
| Feed power handling       | 10 W              |
| E-plane 3 dB beamwidth    | 35° (± 5°)        |
| H-plane 3 dB beamwidth    | 35° (± 5°)        |
| Front to back (F/B ratio) | 25 dB (± 3 dB)    |
| Nominal input impedance   | 50 Ohm            |
| Polarisation              | Linear            |

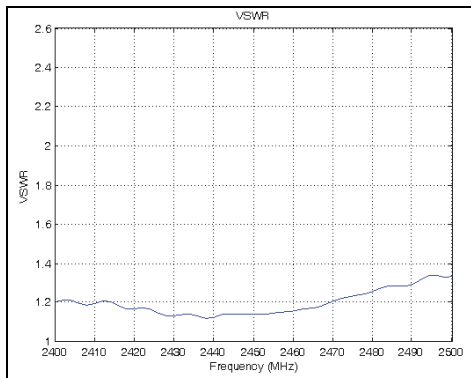
**Environmental:**

|                      |                               |
|----------------------|-------------------------------|
| 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)                |

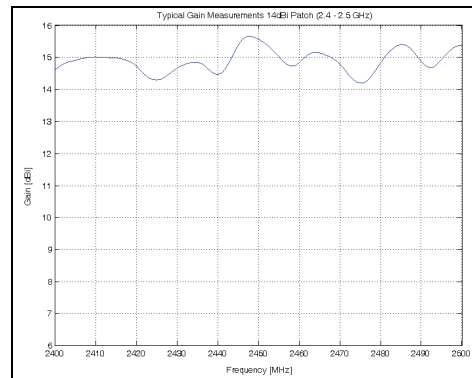
**Mechanical:**

|                        |   |
|------------------------|---|
| Dimensions (l x w x d) | 260 mm x 230 mm x 70 mm                                       |
| Weight                 | 2.5 kg  |
| Mounting               | Universal Aluminium bracket and u-bolts for up to 58 mm masts |

**VSWR and Gain Pattern:**

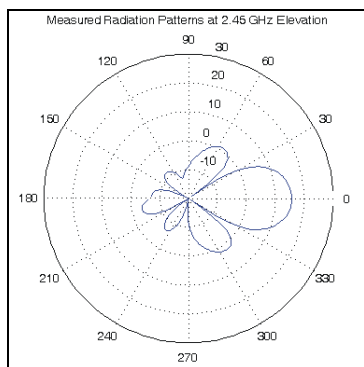


VSWR

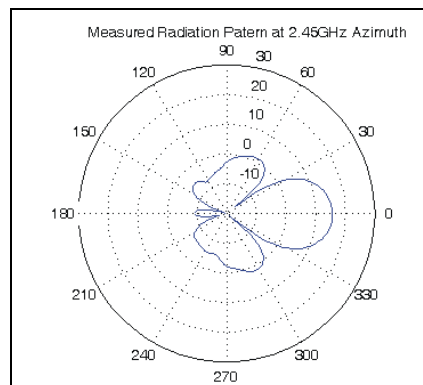


Gain

**Radiation Patterns**



E-Plane



H-Plane