



BridgePoynt Multipurpose (17 dBi)

2.4 - 2.5 GHz

Product code: WLAN-A0015



Poynting's BridgePoynt range provides everything you need for professional outdoor wireless networking. The range includes weatherproof outdoor enclosures with integrated antennas, cable assemblies, electronics, power injectors and ancillary products. These products can be combined into highly professional custom solutions that cater directly to a clients needs.

This product (WLAN-A0015) is an outdoor enclosure with an integrated 2.4 GHz, 17 dBi antenna and a pole mounting bracket. This product is well suited to CPE applications and point-to-point links.

Each WLAN-A0015 includes an enclosure with integrated antenna and 6 movable posts with self tapping screws and double-sided tape to mount your electronics. A pole mount bracket with elevation tilt is also included.

Features:

- Weatherproof box for outdoor use.
- Integrated 17 dBi antenna
- Insignificant RF cable losses
- Aesthetically pleasing

Application:

- CPE applications
- Medium range point-to-point links



Specifications:

Product Code:

WLAN-A0015

Integrated 2.45 GHz 17dBi Antenna with SMA(f) connector

Electrical:

Gain (max)	17.5 dBi (+/-0.5 dB)
Gain (min over the band)	17.0 dBi (+/-0.5 dB)
Frequency	2.4 – 2.5 GHz
VSWR	< 2.0:1
Feed power handling	10 W
E-plane 3 dB beamwidth	18.5° ($\pm 5^\circ$)
H-plane 3 dB beamwidth	32.0° ($\pm 5^\circ$)
Nominal input impedance	50 Ohm
Polarisation	Linear (Vertical or Horizontal)

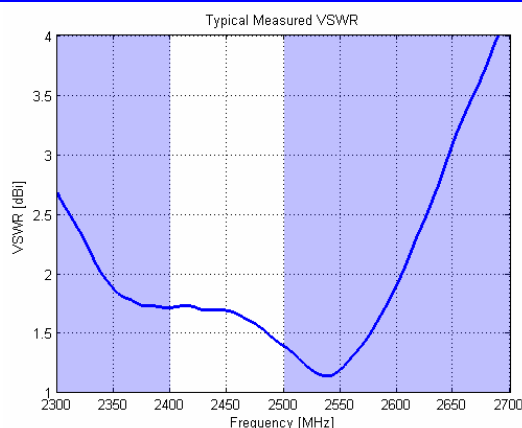
Environmental:

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)

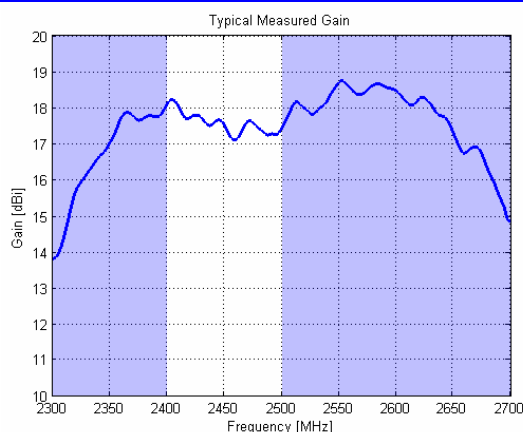
Mechanical:

Dimensions (l x w x d)	364 mm x 258 mm x 98 mm
Dimension of electronic compartment (l x w x d)	200 mm x 300 mm x 40 mm
Weight	2.35 kg
Clamp	40-50 mm pole
Tilt angle	30° ($\pm 1^\circ$) 25° ($\pm 5^\circ$)
Mounting	Stainless steel brackets for up to 50 mm poles

VSWR and Gain Pattern:

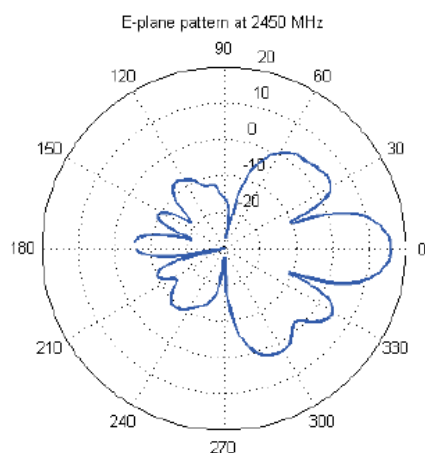


VSWR

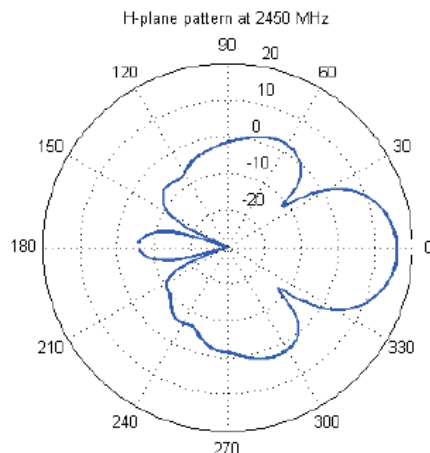


Gain

Radiation Patterns



E-Plane



H-Plane