



23dBi 5GHz BridgePoynt

Operating Frequency - 5.15-6GHz

Product code: WLAN-A0042



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 client's needs.

This product (WLAN-A0042) is an outdoor enclosure with an integrated 5GHz, 23 dBi antenna and a pole mounting bracket. It also features a waterproof gland with an integrated RJ45 connector. This product is well suited to CPE applications and point-to-point links. Just fit in your 5GHz wireless electronics, power up and go.

Each WLAN-A0042 includes an enclosure with integrated antenna (with DC short) 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 as well as a cable gland to allow entry of data and power cabling. A lug is provided to ground internally mounted electronics to the mounting structure for extra protection against surges/static buildup.

Features:

- Weatherproof enclosure for outdoor use.
- Integrated 23 dBi 5 GHz antenna with DC short
- Insignificant RF cable losses
- External grounding lug
- Waterproof RJ45 gland

Application areas:

- 5 GHz CPE applications (WiFi/Wimax)
- Long range point-to-point links



Specifications:

Product Code:

WLAN-A0042

Right Angle SMA(f) connector

Electrical:

Gain (max)	23 dBi (+-0.5 dB)
Gain (min over the band)	21 dBi (+-0.5 dB)
Frequency	5150 – 6000 MHz
VSWR	< 2.0:1
Feed power handling	10 W
E-plane 3 dB beamwidth	10° ($\pm 3^\circ$)
H-plane 3 dB beamwidth	16° ($\pm 3^\circ$)
Front to back (F/B ratio)	>20 dB (± 3 dB)
Nominal input impedance	50 Ohm
Polarisation	Linear

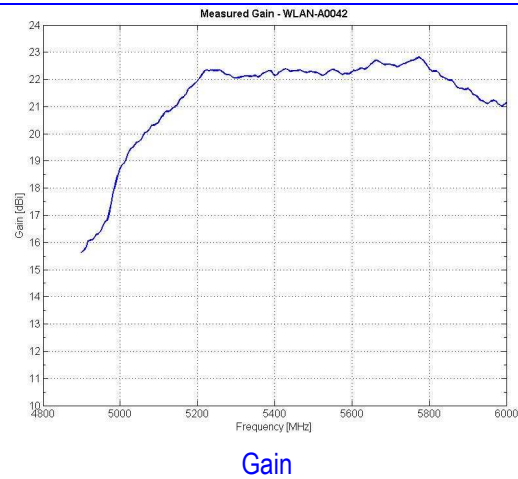
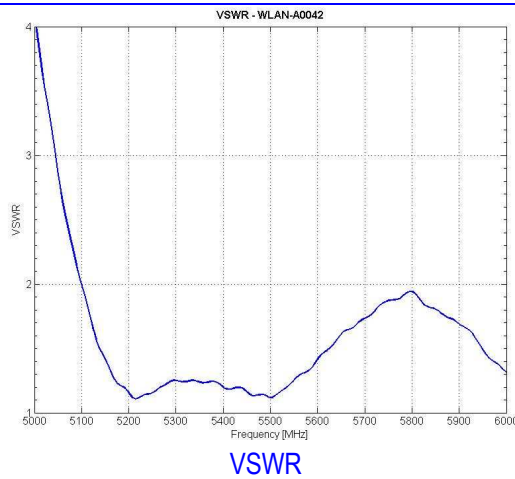
Environmental:

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 w x d)	364 mm x 258 mm x 98 mm
Weight	2.44 kg
Mounting	Stainless steel brackets for up to 50 mm poles

VSWR and Gain Pattern:



Radiation Patterns

