iPoynt 5GHz (19dBi)
Operating Frequency - 5.1-5.9GHz
Product code: WLAN-A0044

WLAN-A0044 is a compact weatherproof outdoor enclosure featuring a panel 5GHz antenna operating from 5.1GHz to 5.9GHz with a steady gain of 19dBi across the band. The enclosure features Poynting’s watertight gland, which has ability take the installer’s choice of network cable, which can be easily assembled onto the gland and plugged onto socket part of the gland in a simple assembly process.

This product is shipped with a universal tilt bracket for azimuth and elevation adjustment. Enough space and an internal mounting kit has been made for provision of onboard electronics.
Specifications:

Product Code: WLAN-A0044

RJ-45 Socket with watertight gland plus 2 sealed knockout holes for N-type connector

**Electrical:**
- Gain (max): 19 dBi (+0.5 dB)
- Gain (min over the band): 18 dBi (+0.5 dB)
- Frequency: 4900 - 5900 MHz
- VSWR: < 2.0:1
- Feed power handling: 10 W
- E-plane 3 dB beamwidth: 15° (± 5°)
- H-plane 3 dB beamwidth: 15° (± 5°)
- Front to back (F/B ratio): 27 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): 235 mm x 210 mm x 55 mm
- Weight: 1.3 kg (Incl. mounting bracket)
- Mounting: Stainless steel brackets for up to 50 mm poles

VSWR and Gain Pattern:

![VSWR and Gain Pattern](image1)

Radiation Patterns:

![E-Plane](image2)  ![H-Plane](image3)