

## AL-58019 - 19dBi Directional Panel Antenna

### Key Features:

- 19 dBi Directional Gain
- High Quality Construction
- Horizontal or Vertical Polarization
- Great Impedance Matching
- Heavy-Duty Mounting Elements
- Easy Elevation Adjustment
- Designed for All Weather Operation



### Applications:

- 5 GHz Band Wireless LAN
- IEEE 802.11a WLAN Systems
- RLAN
- FWA
- WiMAX

### Description

Panel antenna working in 5 GHz band with 19 dBi gain that can be mounted for horizontal or vertical polarization. Antenna array is enclosed in an aluminium alloy baseplate with ultraviolet-stable plastic radome. Perfectly designed for operation under severe weather conditions. A proper materials allow operation in the salt water environment without corrosion. High quality construction of pole mounting elements guarantees an easy elevation adjust as well as rock-stable operation. It can be used in client stations and as small base stations.

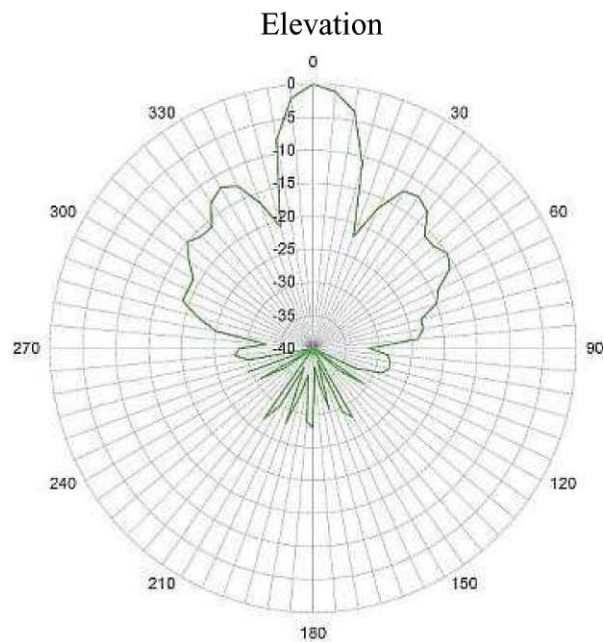
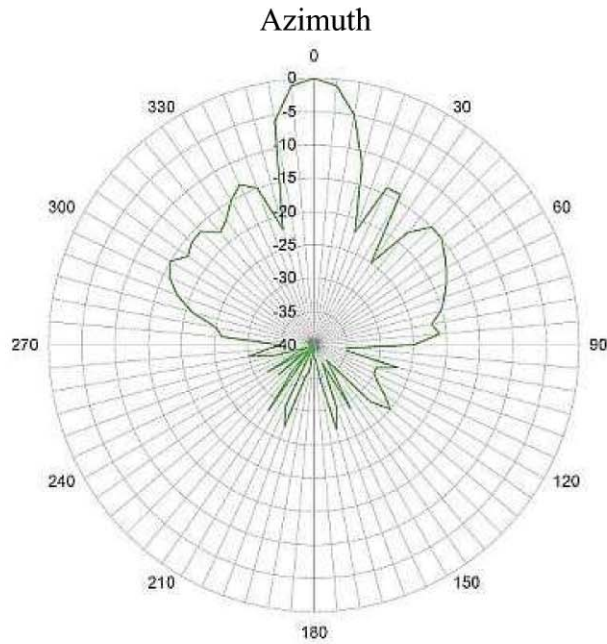
### Electrical Properties

Frequency	5200 – 5900 MHz
Gain	19 dBi
Polarization	Horizontal/Vertical
Beamwidth deg horizontal	16°
Beamwidth deg vertical	16°
VSWR	< 2
Impedance	50 Ohm
Sidelobe suppression	> 13 dB
Front to back ratio	> 25 dB
Lighting protection	DC ground

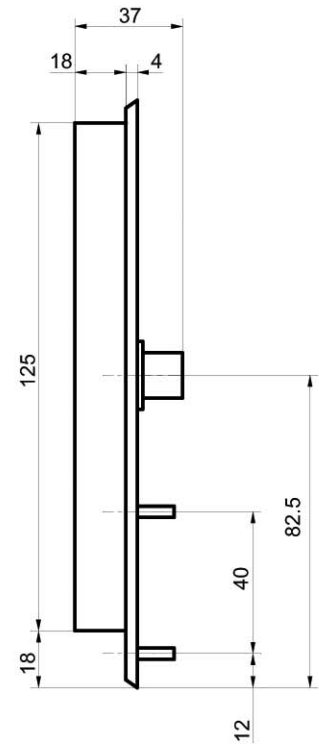
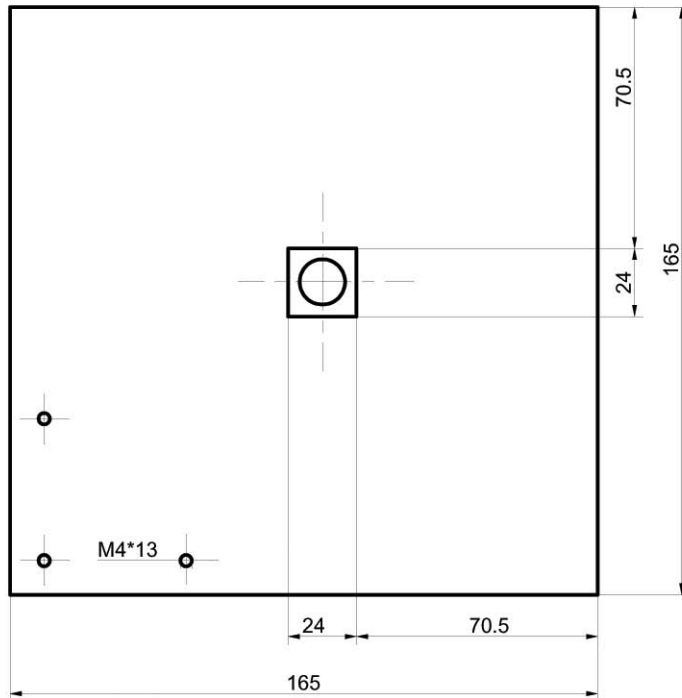
Mechanical Properties

Technology	Microstrip
Input Connector	N-type / female
Dimensions	165x165x37 mm / 6.5x6.5x1.5"
Weight	0.6 kg / 1.3 lbs
Radome material	UV – resistant plastic
Color	White
Base material	High quality aluminium alloy
Construction	All – weather operation
Mounting Kit	50.8 mm / 2"

Antenna Patterns



Mechanical Drawing



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