



## PAT5023

### Key Features:

- 23 dBi Directional Gain
- Highest Ingress Protection IP 66
- High Quality Construction
- Horizontal or Vertical Polarization
- Heavy-Duty Mounting Elements
- Easy Elevation and Tilt Adjustment
- 5 Years Warranty
- Designed for All Weather Operation



### Applications:

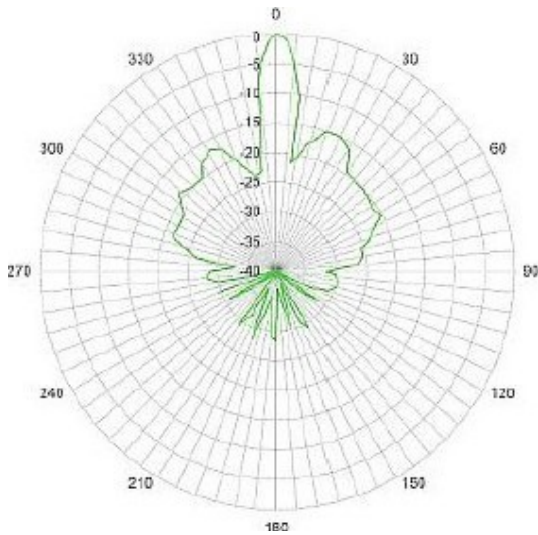
- 5 GHz Band Wireless LAN
- IEEE 802.11a WLAN Systems
- WIMAX
- Point to Point Application

### Description:

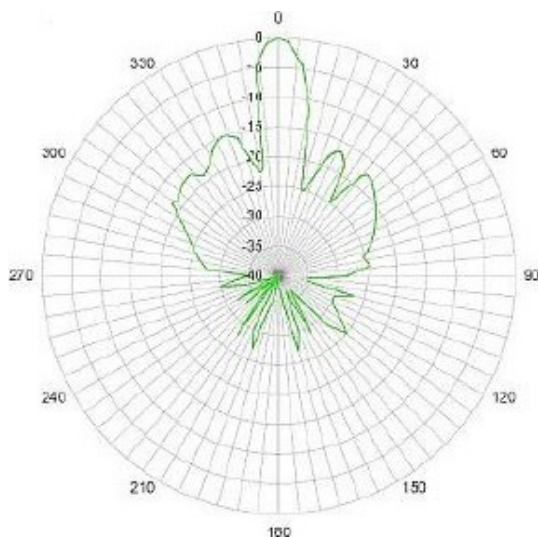
Panel antenna working in 5 GHz frequency with full 23 dBi gain. It can be mounted for horizontal or vertical polarization. Made with very high quality materials, construction grade aluminium alloy, UV-protected plastic cover and zinc galvanized U-bolt. Designed for operation under severe weather conditions. A proper materials allow operation in the salt water environment without corrosion. Heavy-duty mounting elements guarantee an easy elevation adjust as well as rock-stable operation. It can be used in client stations and as a small base stations.

| Electrical Properties          |                               |
|--------------------------------|-------------------------------|
| Frequency                      | 5.1 - 5.9 GHz                 |
| Gain                           | 23dBi                         |
| Polarization                   | horizontal or vertical        |
| Beamwidth deg horizontal       | 10°                           |
| Beamwidth deg vertical         | 10°                           |
| VSWR                           | <1,8                          |
| Impedance                      | 50 ohm                        |
| Front to back ratio            | > 35 dB                       |
| Enclosure Properties           |                               |
| Technology:                    | Microstrip                    |
| Material:                      | UV protected                  |
| Colour:                        | White                         |
| Ingress Protection (EN 60529): | IP 66                         |
| Min temperature:               | -40°C / -40°F                 |
| Max temperature:               | 80°C / 176°F                  |
| Mechanical Properties          |                               |
| Input Connector                | N-type / female               |
| Outside Dimensions             | 345x345x20mm / 13.6x13.6x0.8" |
| Weight                         | 1.3kg / 2,9lbs                |

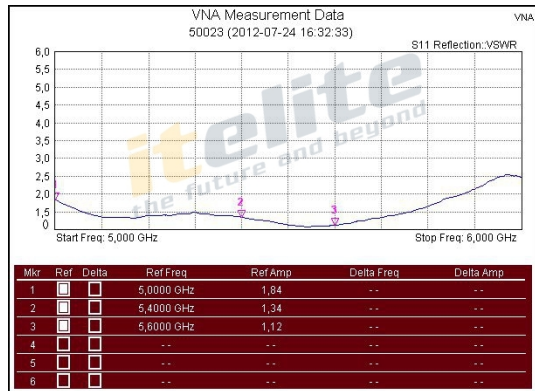
Specification subject to change without notice.



V-Plane



H-Plane



| Measurement Parameters |           |               |                     |
|------------------------|-----------|---------------|---------------------|
| Calibration Status     | On        | Serial Number | 691033              |
| Data Points            | 551       | Base Ver.     | V1.35               |
| Output Power           | High      | App Ver.      | V1.44               |
| Start Frequency        | 5,000 GHz | Date          | 2012-07-24 16:32:33 |
| Stop Frequency         | 6,000 GHz | Device Name   |                     |

VSWR