



WiBOX PA M5-24X

Installation space: 34,8 x 34,8 x 5,2

WiBOX PA M5-24X is an innovative PTFE microstrip dual polarity (MIMO 2x2) planar antenna operating at the frequency range of 5,1 – 5,95 GHz with 24 dBi gain in both polarizations. The PCB of antenna is made from PTFE which is much more efficient and resistant than standard FR4 laminate. It is desired for Point-to-Point connections, bridge connections and Point-to-Multipoint connections as a client antenna where the high-gained antennas are required. The reduced side-lobes level makes a gain more focused into the front direction than the standard antennas. The antenna is integrated with the top quality **WiBOX Large** box system (the installation space is 34.8 x 34.8cm x 5,2 cm). The box has IP67 waterproof level, there is enough room to install almost every of the most popular radio equipment. **WiBOX Large** provides with the possibility to integrate the antenna system with other systems, using the additional connector holes located at the bottom of the **WiBOX**. The waterproof RJ45 connector allows for the PoE standard utilization without a stressful crimping of the RJ45 connector on the installation location (e.g. on the roof or a high mast). The collar around the connectors guarantees the connectors won't get wet. The **WiBOX Large** is made from the durable plastic material resistant against the UV radiation and bad weather conditions. The special reinforced **WiMount bracket**, made from fiberglass ensures the stability even in case of the strong wind. It comes with 2 x SMA connector.



Specification

Frequency	5100 - 5950MHz
Gain	24dBi
Polarization	X +/- -45deg
Beamwidth Horizontal	8°
Beamwidth Vertical	8°
Front to back	30
Port to port isolation	>40dB
VSWR	1.7
Impedacja	50 Ω
Connector	SMA
Mast Mounting System O	60 (2,76") mm (inch)
Waterproof Outdoor BOX	IP 67
Operating Temperature	-40 + 70 °C
Weight	2.9
Dimensions	400x400x110 (15,75"x15,75"x4,33")
Warranty	36

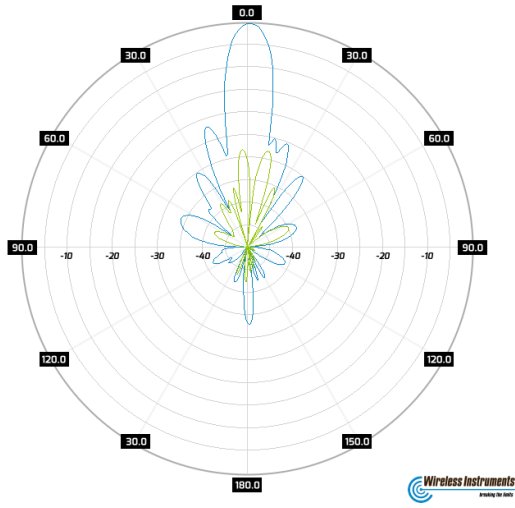
Features

- 2 x 24 dBi Directional Gain
- Outdoor Waterproof **WiBOX Large**
- Big and convenient **WiBOX Large** for radio equipment installation
- RJ45 waterproof system
- Adjustable tilt pole mount - **WiMount**
- **X-pol** – dual polarity, 2x2 MIMO
- High Quality Construction
- 2 x SMA connector
- DC Grounded for lightning protection
- **WiMount** Heavy-Duty Mounting Elements
- 3 Years Warranty
- Designed for All Weather Operation

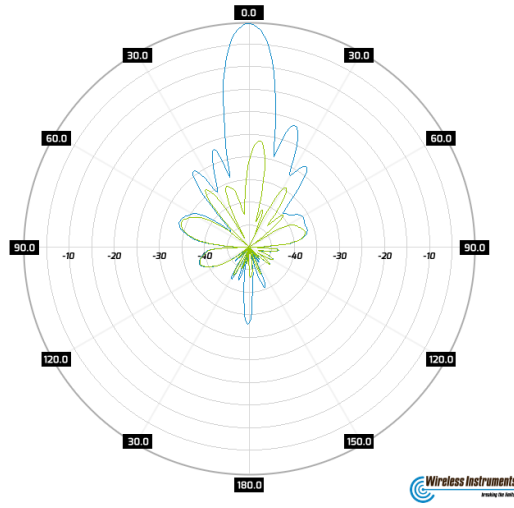
Applications

- 5 GHz Band Wireless LAN
- IEEE 802.11a WLAN Systems
- Point to Point Applications
- Client antennas
- System Integration
- Nstreme protocol
- 802.11a/n - MIMO standard

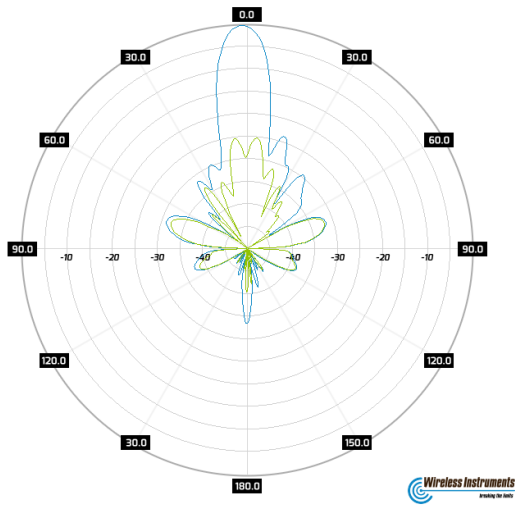
Radiation Pattern, Pol 1, Port 1



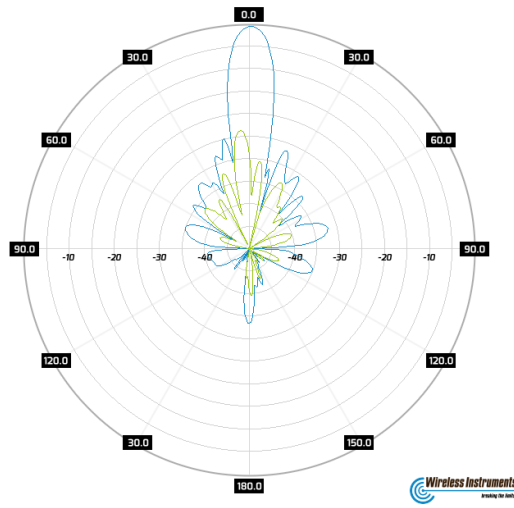
Radiation Pattern, Pol 2, Port 1



Radiation Pattern, Pol 1, Port 2



Radiation Pattern, Pol 2, Port 2



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