



## WIBOX SA M6-90-17HV

### Installation space:

**WIBOX SA M6-90-17HV** is an innovative PTFE microstrip dual polarity (MIMO 2x2) sector antenna operating at the frequency range of 5.6 – 6.5 GHz with 17 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 short and medium range base stations creating. The antenna is integrated with the top quality **WiBOX Extra Large** box system (the installation space is 24cm x 46cm x 5 cm (9,45" x 18,11" x 1,97")). The big compartment allows to instal almost every of the available radio boards. The box has IP67 waterproof level, there is enough room to install almost every of the most popular radio equipment. **WiBOX Extra 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 Extra 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. **WIBOX SA M6-90-17HV** works at the horizontal polarization. It comes with 2 x SMA connector.



### Specification

Frequency	5600 - 6500MHz
Gain	Port 1 (Vpol) = 16.5dBi +/-0.5dB Port 2 ((Hpol)= 17.5dBi +/-0.5dBi
Polarization	H&V
Beamwidth Horizontal	90°
Beamwidth Vertical	8°
Front to back	>30dB
Port to port isolation	>50dB
VSWR	< 1.5, max = 1.8
Impedacja	50 Ω
Connector	RJ-45 & 2 x SMA
Mast Mounting System Ø	60 (2,76") mm (inch)
Waterproof Outdoor BOX	IP 67
Operating Temperature	-40 + 70 °C
Weight	2,7 kg
Dimensions	490x290x110 (19,29"x11,42"x4,33")
Warranty	36

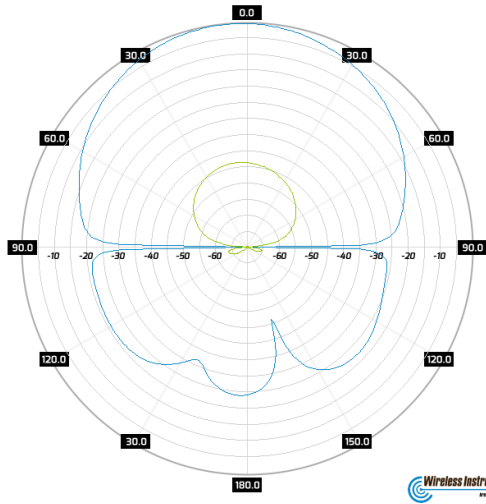
### Features

- Horizontal&Vertical Polarization 17 dBi of Gain
- Wide-Band Operation
- Outdoor Waterproof **WiBOX Extra Large**
- Big and convenient **WiBOX Extra Large** for radio equipment installation
- RJ45 waterproof system
- Adjustable tilt pole mount - **WiMount**
- High Quality Construction
- Type 2 x SMA connector
- DC Grounded for lightning protection
- **WiMount**Heavy-Duty Mounting Elements
- 3 Years Warranty
- Designed for All Weather Operation

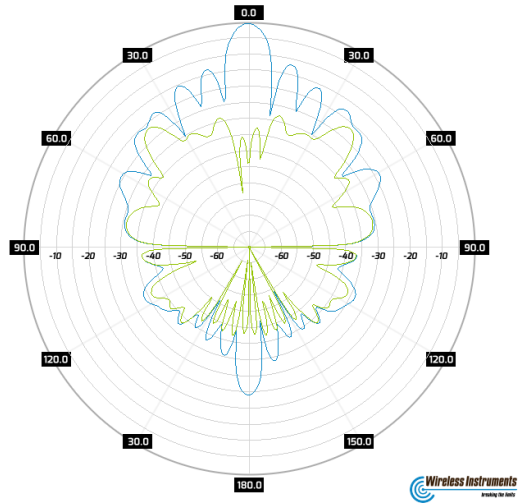
### Applications

- 6 GHz Band Applications
- IEEE 802.11a WLAN Systems
- Base Station Antennas
- Point to Multipoint Applications
- Wireless Broadband Systems
- System Integration
- Nstreme protocol
- 802.11n/MIMO standard

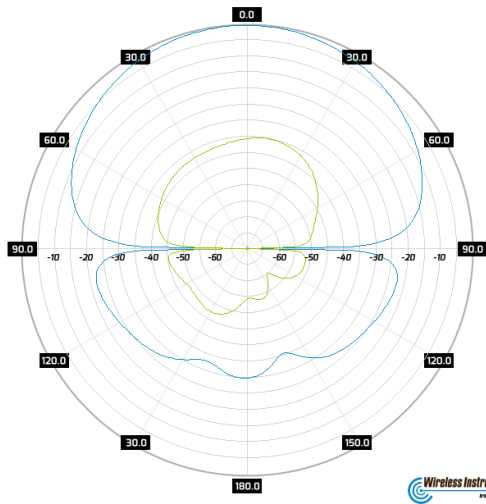
Radiation Pattern Port H, Pol H



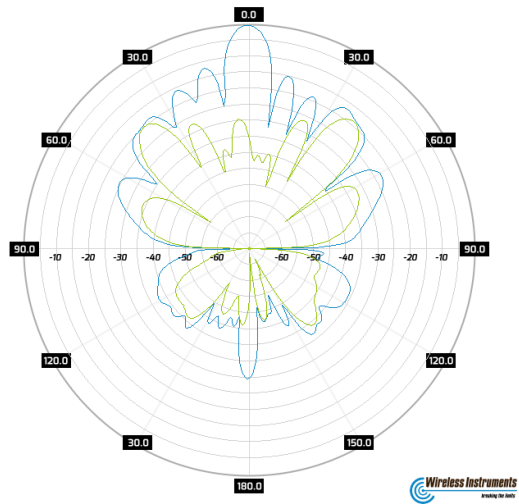
Radiation Pattern Port H, Pol V



Radiation Pattern Port V, Pol H



Radiation Pattern Port V, Pol V



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