



PTP/CLIENT ANTENNA **WiBOX PA M5-20HV**

WiBOX PA M5-20HV is an innovative **PTFE microstrip dual polarity H&V polarized (MIMO 2x2) planar antenna** operating at the frequency range of **5,1 – 5,9 GHz** with **20 dBi** gain in both polarizations. It is designed for **point-to-point (PTP)** or **point-to-multipoint (PMP)** as the client antenna, where the high-gained antennas are required. Works with **WLAN 802.11n/ac** systems. Can be installed **indoor and outdoor (IP67)**. The antenna is integrated with the top quality **WiBOX Medium** system.

ROHS



Electrical specification

| | |
|-------------------------------|---------------|
| Frequency | 5.1 - 5.9 GHz |
| Gain | 20 dBi |
| VSWR | <2.00 |
| Beamwidth | 16°/16° |
| Polarization | H&V |
| Cross-Polar Isolation | |
| Front-to-Back | > 30 dB |
| Separation between Connectors | > 32 dB |
| Impedance | 50 Ω |
| Max Input Power | 50 W |
| Lighting Protection | No |
| DC Ground | Yes |

Mechanic specification

| | |
|-----------------------|---|
| Dimensions | 27.2 x 27.6 x 9.6 cm 10.71 x 10.87 x 3.78 inch |
| Weight | 1.6 kg |
| Connector | RJ45 & 2xSMA |
| Material | ABS |
| Waterproof level | IP67 |
| Operating temperature | from -40°C to 80°C from -40°F to 176°F |
| Wind resistance | 70km/h |

Mounting Kit

| | |
|------------------------|---|
| Dimensions | 9.9 x 10.5 x 14.8 cm 3.9 x 4.13 x 5.83 inch |
| Regulation Range | +/- 30° |
| Weight | 0.87 kg |
| Mount Dimensions Range | 25 - 65mm |
| Material | Polyamide with fiberglass + galvanized steel U-Bolts |

Features

- › Gain for the frequency of 5100 - 5900 MHz 2x 20 dBi
- › Polarization H&V for the frequency of 5100 - 5900 MHz
- › 2 x Connector SMA
- › Big, ergonomic and voluminous **WiBOX Medium** enclosure for radio equipment installation
- › Outdoor Waterproof Enclosure **WiBOX Medium**
- › Designed and resistant for any weather conditions
- › RJ45 Waterproof System
- › Grounding system protecting against lightning - DC Ground
- › 36 Warranty Months

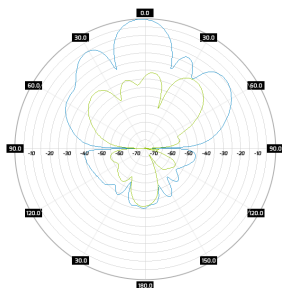
Systems

- › LTE band - 46, 47, 252, 255
- › WLAN - 5 GHz
- › WiMAX - 5 GHz
- › RFID - 5725 - 5875 MHz
- › ISM - 5725-5875 MHz

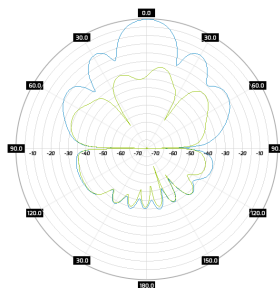
Applications

- › PtP connections
- › PtM Connections
- › System Integration

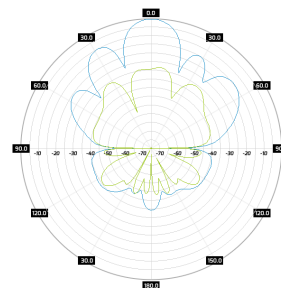
Plots



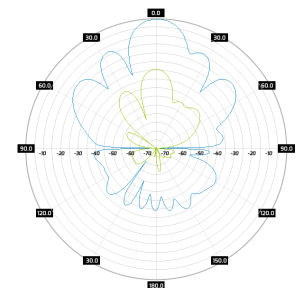
Radiation pattern Port 1 Pol 1



Radiation pattern Port 1 Pol 2



Radiation pattern Port 2 Pol 1



Radiation pattern Port 2 Pol 2