**PTP/CLIENT ANTENNA**

**WiBOX PA M47-20HV**

WiBOX PA M47-20HV is an innovative PTFE microstrip dual polarity H&V polarized (MIMO 2x2) planar antenna operating at the frequency range of 4.7 – 5.4 GHz with 20 dBi gain in both polarizations. It is desired for point-to-point (PTP) or point-to-multipoint (PMP) as the client antenna, where the high-gained antennas are required. Can be installed indoor and outdoor (IP67). The antenna is integrated with the top quality WiBOX Medium box system.

**Electrical specification**

- **Frequency**: 4.7 - 5.4 GHz
- **Gain**: 20 dBi
- **VSWR**: <1.70, max × 2.00
- **Beamwidth**: 18°/18°
- **Polarization**: H&V
- **Cross-Polar Isolation**: 30 dB
- **Front-to-Back**: > 25 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**: 2.5 kg
- **Connector**: RJ45 & 1xSMA
- **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**: +/- 3°
- **Weight**: 0.87 kg
- **Mast Dimensions Range**: 25 - 65mm
- **Material**: Polamide with fiberglass + galvanized steel U-Bolts

**Features**

- Gain for the frequency of 4700 - 5400 MHz 1x 20 dBi
- Polarization H&V for the frequency of 4700 - 5400 MHz
- 1x 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 lighting - DC Ground
- 36 Warranty Months

**Systems**

- WLAN - 5 GHz
- WiMAX - 5 GHz

**Applications**

- PtP connections
- PtM Connections
- System Integration

**Plots**

- PA M47-20HV Pol H, azimuth
- PA M47-20HV Pol H, elev.
- PA M47-20HV Pol V, azimuth
- PA M47-20HV Pol V, elev