



## PTP/CLIENT ANTENNA

# WiBOX PA M47-20X

**WiBOX PA M47-20X** is an innovative PTFE microstrip dual polarity X (slant) 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. Due to slant (+/- 45 Deg) polarization, PA M47-20X can be used in interfered environment. Can be installed indoor and outdoor (IP67). The antenna is integrated with the top quality **WiBOX Medium** box system.

ROHS



### Electrical specification

Frequency	4.7 - 5.4 GHz
Gain	20 dBi
VSWR	<1.70, max < 2.00
Beamwidth	18°/18°
Polarization	X
Cross-Polar Isolation	30dB dB
Front-to-Back	> 25 dB
Separation between Connectors	> 30 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	+/- 30°
Weight	0.87 kg
Mast Dimensions Range	25 - 65mm
Material	Polyamide with fiberglass + galvanized steel U-Bolts

### Features

- › Gain for the frequency of 4700 - 5400 MHz 1x 20 dBi
- › Polarization X for the frequency of 4700 - 5400 MHz
- › 1 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

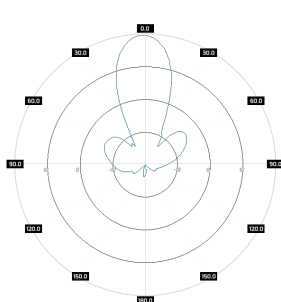
### Systems

- › WLAN - 5 GHz
- › WiMAX - 5 GHz

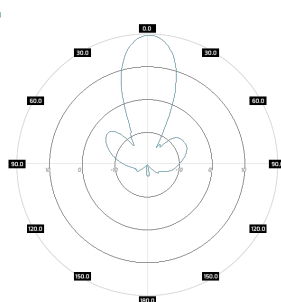
### Applications

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

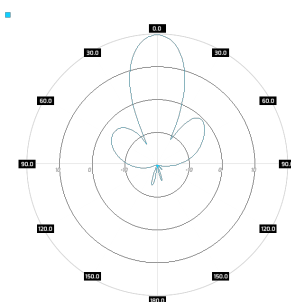
### Plots




PA M47-20X  
Port 1, azimuth



PA M47-20X  
Port 2, azimuth



PA M47-20X  
Port 1, elev

 PA M47-20X  
Port 2, elev