



## PTP/CLIENT ANTENNA

# WiBOX PA MMB1727-8X

**WiBOX PA MMB1727-8X** is designed especially for mobile cellular systems **3G, 3.5G, 3.75G** and especially **4G - LTE** as an **8 dBi** dual polarization client antenna (**CPE**). Due to small gain, it can be used on short and medium distances in **point-t-multipoint (PMP)** topology as the client antenna or for **hotspots in schools, stadiums, offices or some public places**. The **X-polarity (slant)** helps for establishing links in interfered environments. Can work also with **mobile devices**. Its wide range of work permits to operate in the systems such as **WLAN 802.11 b/g/n, UMTS, LTE, WiMAX**. Due to an innovative antenna design with great parameters it enables to work in a wide range of frequencies for **LTE** systems: **band 1, 2, 3, 4, 7, 9, 10, 23, 25, 33, 34, 35, 36, 37, 38, 40, 41**. The system can operate **indoor and outdoor (IP67)**. The antenna is integrated with the top quality **WiBOX Medium**. It comes with 2 x SMA connector.

**NOTE: The installation compartment is shorter than in the standard type of antennas (due to the antenna construction) - 35 mm**

ROHS



### Electrical specification

Frequency	1.7 - 2.7 GHz
Gain	8 dBi
VSWR	<2.00
Beamwidth	60°/60° +/- 10°
Polarization	X
Cross-Polar Isolation	
Front-to-Back	> 18 dB
Separation between Connectors	> 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	1.8 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
Mast Dimensions Range	25 - 65mm
Material	Polyamide with fiberglass + galvanized steel U-Bolts

### Features

- › Gain for the frequency of 1700 - 2700 MHz 2x 8 dBi
- › Polarization X for the frequency of 1700 - 2700 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

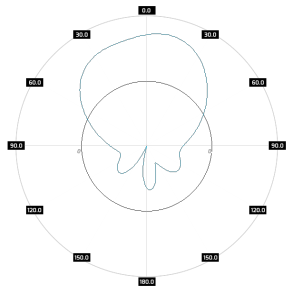
### Systems

- › LTE band - 1, 2, 3, 4, 7, 9, 10, 23, 25, 30, 33, 34, 35, 36, 37, 38, 39, 40, 41, 53, 65, 66, 69, 70
- › WLAN - 2.4 GHz
- › WiMAX - 2.3 GHz, 2.5 GHz
- › 3G - 2100 MHz
- › GSM - 1800 MHz, 1900 MHz
- › RFID - 2400 - 2483 MHz
- › Bluetooth - 2400-2483 MHz
- › ISM - 2400-2483 MHz

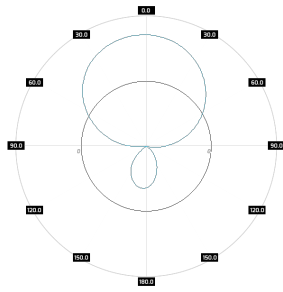
### Applications

- › Stadiums, Public Places
- › Hotspot
- › PtP connections
- › PtM Connections
- › System Integration

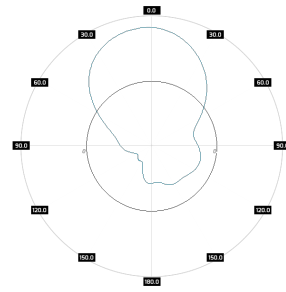
### Plots



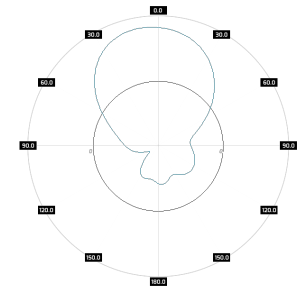
PA MMB1727-8X  
1700MHz, azimuth



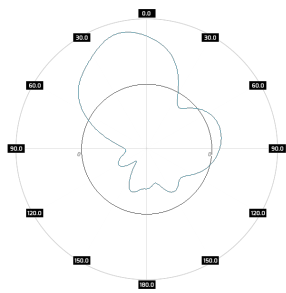
PA MMB1727-8X  
1700MHz, elev.



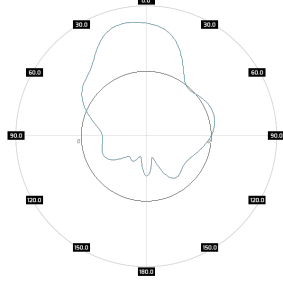
PA MMB1727-8X  
2100MHz, azimuth



PA MMB1727-8X  
2100MHz, elev.



PA MMB1727-8X  
2700MHz, azimuth



PA MMB1727-8X  
2700MHz, elev.