



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-to-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

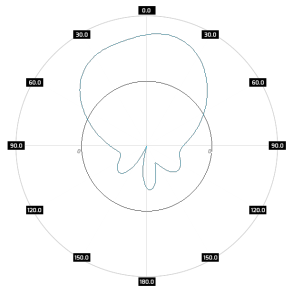
Systems

- › LTE band - 1, 2, 3, 4, 7, 9, 10, 23, 25, 33, 34, 35, 36, 37, 38, 39, 40, 41, 2305-2360
- › 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

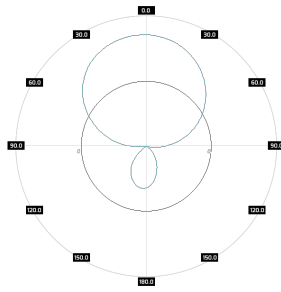
Applications

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

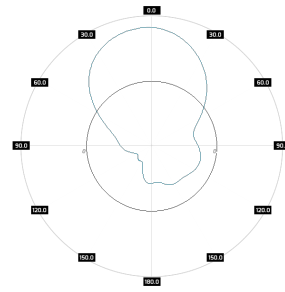
Plots



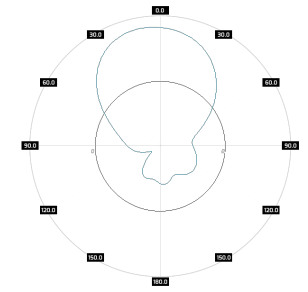
PA MMB1727-8X
1700MHz, azimuth



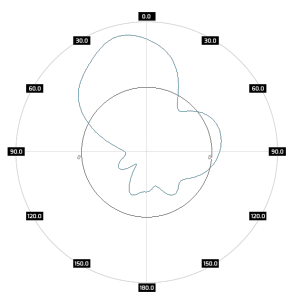
PA MMB1727-8X
1700MHz, elev.



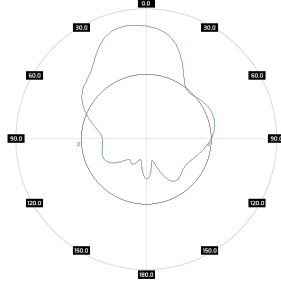
PA MMB1727-8X
2100MHz, azimuth



PA MMB1727-8X
2100MHz, elev.



PA MMB1727-8X
2700MHz, azimuth



PA MMB1727-8X
2700MHz, elev.